



CASE COVER SHEET

City of Rockwall
Planning and Zoning Department
385 S. Goliad Street
Rockwall, Texas 75087

PLANNING & ZONING CASE NO.

PLANNING & ZONING FEE

PLATTING APPLICATION

- MASTER PLAT
- PRELIMINARY PLAT
- FINAL PLAT
- REPLAT
- AMENDING OR MINOR PLAT
- PLAT REINSTATEMENT REQUEST

SITE PLAN APPLICATION

- SITE PLAN
- AMENDED SITE PLAN/ELEVATIONS/LANDSCAPING

ZONING APPLICATION

- ZONING CHANGE
- SPECIFIC USE PERMIT
- PD DEVELOPMENT PLAN

OTHER APPLICATION

- TREE REMOVAL
- VARIANCE REQUEST/SPECIAL EXCEPTIONS

RECORD OF RECOMMENDATIONS, VOTING RECORDS, AND CONDITIONS OF APPROVAL

ARCHITECTURE REVIEW BOARD

PLANNING AND ZONING COMMISSION

CITY COUNCIL READING #1

CITY COUNCIL READING #2

CONDITIONS OF APPROVAL

NOTES



DEVELOPMENT APPLICATION

City of Rockwall
Planning and Zoning Department
385 S. Goliad Street
Rockwall, Texas 75087

STAFF USE ONLY
PLANNING & ZONING CASE NO.

SP2023-037

NOTE: THE APPLICATION IS NOT CONSIDERED ACCEPTED BY THE CITY UNTIL THE PLANNING DIRECTOR AND CITY ENGINEER HAVE SIGNED BELOW.

DIRECTOR OF PLANNING:

CITY ENGINEER:

PLEASE CHECK THE APPROPRIATE BOX BELOW TO INDICATE THE TYPE OF DEVELOPMENT REQUEST (SELECT ONLY ONE BOX):

PLATTING APPLICATION FEES:

- MASTER PLAT (\$100.00 + \$15.00 ACRE)¹
- PRELIMINARY PLAT (\$200.00 + \$15.00 ACRE)¹
- FINAL PLAT (\$300.00 + \$20.00 ACRE)¹
- REPLAT (\$300.00 + \$20.00 ACRE)¹
- AMENDING OR MINOR PLAT (\$150.00)
- PLAT REINSTATEMENT REQUEST (\$100.00)

SITE PLAN APPLICATION FEES:

- SITE PLAN (\$250.00 + \$20.00 ACRE)¹
- AMENDED SITE PLAN/ELEVATIONS/LANDSCAPING PLAN (\$100.00)

ZONING APPLICATION FEES:

- ZONING CHANGE (\$200.00 + \$15.00 ACRE)¹
- SPECIFIC USE PERMIT (\$200.00 + \$15.00 ACRE)^{1&2}
- PD DEVELOPMENT PLANS (\$200.00 + \$15.00 ACRE)¹

OTHER APPLICATION FEES:

- TREE REMOVAL (\$75.00)
- VARIANCE REQUEST/SPECIAL EXCEPTIONS (\$100.00)²

NOTES:

¹: IN DETERMINING THE FEE, PLEASE USE THE EXACT ACREAGE WHEN MULTIPLYING BY THE PER ACRE AMOUNT. FOR REQUESTS ON LESS THAN ONE ACRE, ROUND UP TO ONE (1) ACRE.
²: A \$1,000.00 FEE WILL BE ADDED TO THE APPLICATION FEE FOR ANY REQUEST THAT INVOLVES CONSTRUCTION WITHOUT OR NOT IN COMPLIANCE TO AN APPROVED BUILDING PERMIT.

PROPERTY INFORMATION [PLEASE PRINT]

ADDRESS 1601 WINTERSTATE 30, ROCKWALL, TEXAS 75087

SUBDIVISION J LOCKHART

LOT A0134 BLOCK 3-2

GENERAL LOCATION JOHN KING 1/4 1-30 (NW CORNER)

ZONING, SITE PLAN AND PLATTING INFORMATION [PLEASE PRINT]

CURRENT ZONING C2

CURRENT USE VACANT

PROPOSED ZONING C2

PROPOSED USE

ACREAGE 6.5

LOTS [CURRENT] 5

LOTS [PROPOSED]

SITE PLANS AND PLATS: BY CHECKING THIS BOX YOU ACKNOWLEDGE THAT DUE TO THE PASSAGE OF HB3167 THE CITY NO LONGER HAS FLEXIBILITY WITH REGARD TO ITS APPROVAL PROCESS, AND FAILURE TO ADDRESS ANY OF STAFF'S COMMENTS BY THE DATE PROVIDED ON THE DEVELOPMENT CALENDAR WILL RESULT IN THE DENIAL OF YOUR CASE.

OWNER/APPLICANT/AGENT INFORMATION [PLEASE PRINT/CHECK THE PRIMARY CONTACT/ORIGINAL SIGNATURES ARE REQUIRED]

OWNER C2LA, LLC

APPLICANT GARDNER CONSTRUCTION

CONTACT PERSON CORBY FLECK

CONTACT PERSON BART GARDNER/JAMES BELT

ADDRESS 382 RANCH TRAIL

ADDRESS 15950 STATE HIGHWAY 205

CITY, STATE & ZIP ROCKWALL TX 75032

CITY, STATE & ZIP TERNELL TX 75160

PHONE 469-338-0262

PHONE 214-675-4435

E-MAIL CORY@ARASOFAMERICA.COM

E-MAIL BART@GARDNER-CONSTRUCTION.COM

NOTARY VERIFICATION [REQUIRED]

BEFORE ME, THE UNDERSIGNED AUTHORITY, ON THIS DAY PERSONALLY APPEARED James Belt [OWNER] THE UNDERSIGNED, WHO STATED THE INFORMATION ON THIS APPLICATION TO BE TRUE AND CERTIFIED THE FOLLOWING:

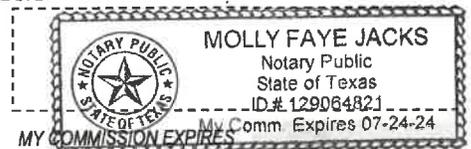
"I HEREBY CERTIFY THAT I AM THE OWNER FOR THE PURPOSE OF THIS APPLICATION; ALL INFORMATION SUBMITTED HEREIN IS TRUE AND CORRECT; AND THE APPLICATION FEE OF \$ 26 TO COVER THE COST OF THIS APPLICATION, HAS BEEN PAID TO THE CITY OF ROCKWALL ON THIS THE 26 DAY OF Sept, 2023 BY SIGNING THIS APPLICATION, I AGREE THAT THE CITY OF ROCKWALL (I.E. "CITY") IS AUTHORIZED AND PERMITTED TO PROVIDE INFORMATION CONTAINED WITHIN THIS APPLICATION TO THE PUBLIC. THE CITY IS ALSO AUTHORIZED AND PERMITTED TO REPRODUCE ANY COPYRIGHTED INFORMATION SUBMITTED IN CONJUNCTION WITH THIS APPLICATION, IF SUCH REPRODUCTION IS ASSOCIATED OR IN RESPONSE TO A REQUEST FOR PUBLIC INFORMATION."

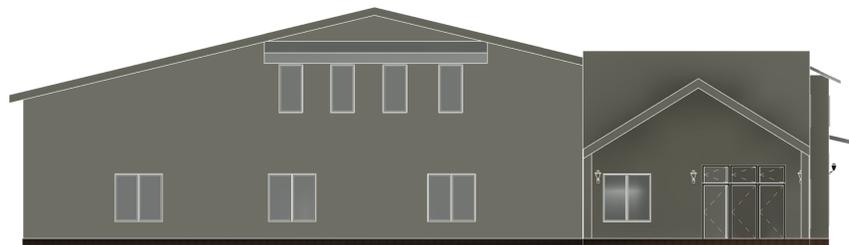
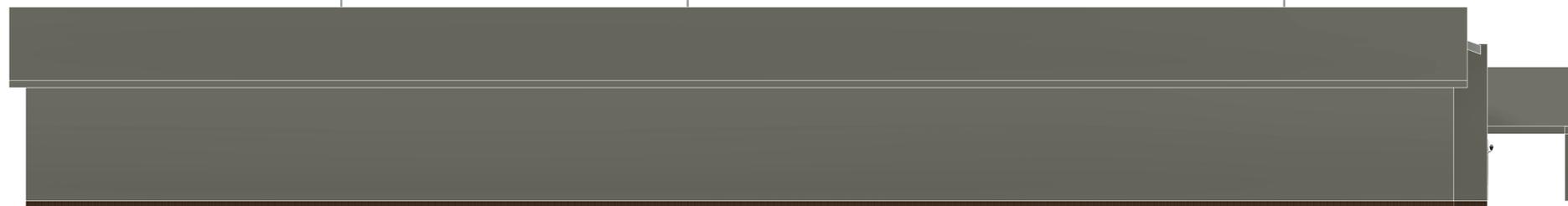
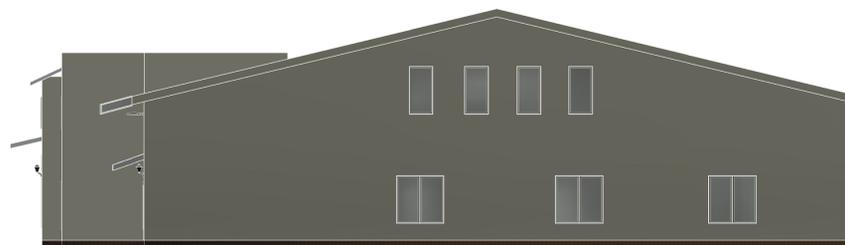
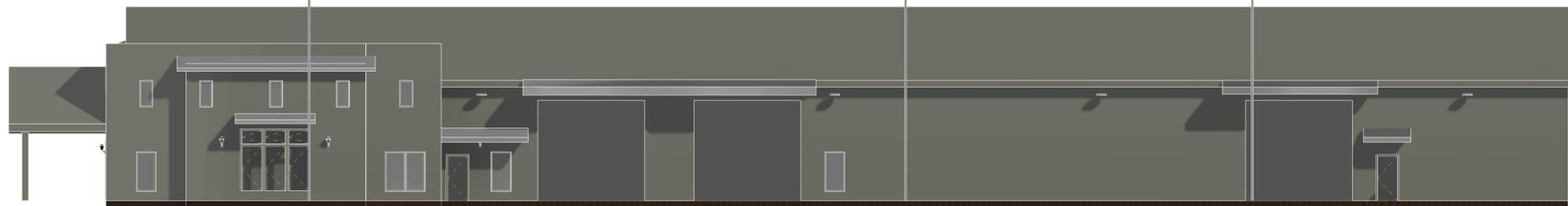
GIVEN UNDER MY HAND AND SEAL OF OFFICE ON THIS THE 26 DAY OF Sept, 2023

OWNER'S SIGNATURE

NOTARY PUBLIC IN AND FOR THE STATE OF TEXAS

[Signature]
Molly Faye Jacks





GMR Protection Resources
TX Registered Engineering Firm F-13803

V1 231016

REVISION NO.	DESCRIPTION	REVISED BY



Rockwall - 1601 E I30
1601 E I30,
Rockwall, TX 75087

ELEVATIONS

DESIGNED BY:	CAS	DRAWN BY:	CAS
REVIEWED BY:	AWD	APPROVED BY:	KRM

SHEET NO.
LU-6



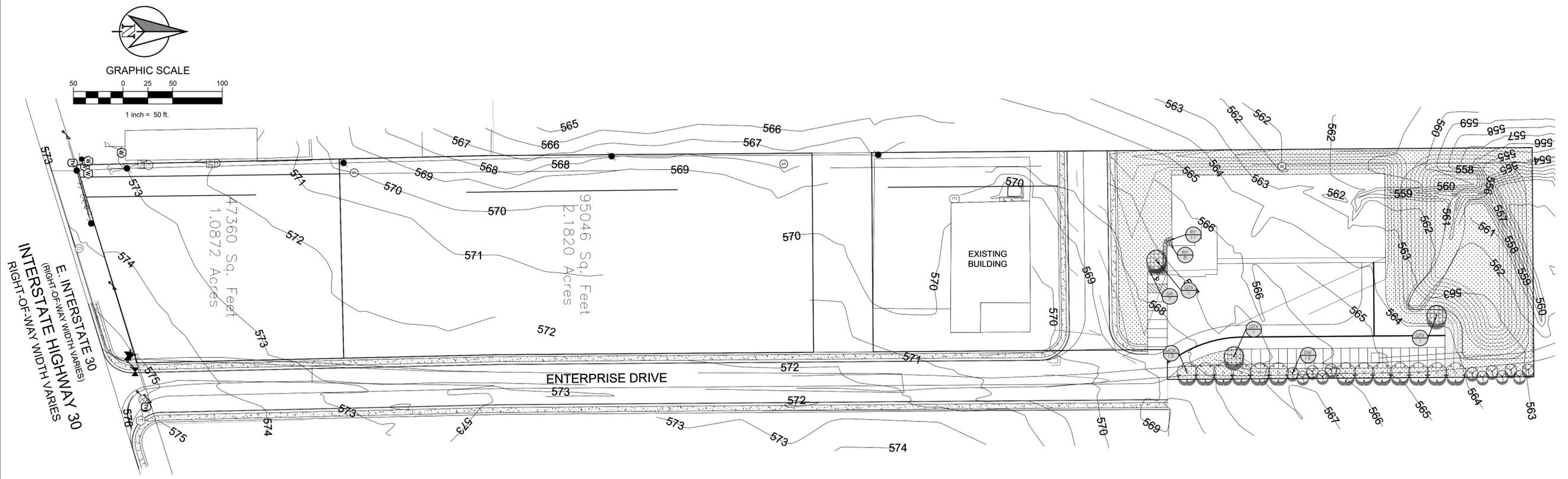






Date	Comment

Project Number	
Date	XX/XX/2018
Drawn By	LML
Checked By	LML/RM



PLANT SCHEDULE

TREES	CODE	COMMON / BOTANICAL NAME	SIZE	CONTAINER	QTY
	DW	Desert Willow / <i>Chilopsis linearis</i> min. 12' ht; street tree	3" Cal.	Cont.	12
	MOK	Monterey Oak / <i>Quercus polymorpha</i> 'Monterey' min. 12' ht; street tree	3" Cal.	Cont.	13
	QTX	Shumard Oak / <i>Quercus shumardii</i> min. 12' ht; parking lot tree	3" Cal.	Cont.	3
SHRUBS	CODE	COMMON / BOTANICAL NAME	SIZE	QTY	
	GA	Glossy Abelia / <i>Abelia grandiflora</i> 36" o.c.	5 gal	7	
	RY	Red Yucca / <i>Hesperaloe parviflora</i> 30" o.c.	3 gal	11	
	RH	Indian Hawthorn / <i>Raphiolepis indica</i> 'Snow' 36" o.c.	5 gal	8	
GROUND COVERS	CODE	COMMON / BOTANICAL NAME	SIZE	QTY	
	CD	Bermuda Grass / <i>Cynodon dactylon</i> 'tif 419'	sod	47,240 sf	

LANDSCAPE STANDARDS

05.01 LANDSCAPE BUFFERS - NON-RESIDENTIAL	20' WIDE BUFFER REQ. W/ 3 CANOPY + 4 ACCENT TREE PER 100 LIN. FT. OF FRONTAGE; GROUND COVER, BUILT-UP BERM AND SHRUBBERY ALONG ENTIRE FRONTAGE, 30" HIGH, MIN.
ENTERPRISE DR.: #365' STREET FRONTAGE	20' WIDE BUFFER REQ. W/ 3 CANOPY + 4 ACCENT TREE PER 100 LIN. FT. OF FRONTAGE; GROUND COVER, BUILT-UP BERM AND SHRUBBERY ALONG ENTIRE FRONTAGE, 30" HIGH, MIN.
REQUIRED PLANTING: PROVIDED 30' BUFFER:	13 CANOPY TREES; 12 ACCENT TREES, W/ SHRUBS 13 NEW CANOPY TREES; 12 ACCENT TREES
WEST PROPERTY LINE BUFFER:	NOT REQUIRED. PROPERTY ZONED COMMERCIAL (C)
05.02 LANDSCAPE SCREENING	HEAD-IN PARKING ADJ. TO STREET SHALL INCORP. MIN. 2' BERM W/ MATURE EVERGREEN SHRUBS ALONG ENTIRE PARKING AREAS
REQ. HEADLIGHT SCREENING	N/A
PROVIDED SCREENING SCREENING FROM RESIDENTIAL	N/A
05.03 LANDSCAPE REQUIREMENTS - COMMERCIAL (C) DISTRICT	MIN. 50% OF REQ. LANDSCAPING SHALL BE LOCATED IN THE FRONT OF & ALONG THE SIDE OF BUILDINGS W/ STREET FRONTAGE.
TOTAL SITE AREA:	144,251 SF
LANDSCAPE AREA REQUIRED TOTAL SITE:	28,850 SF (20%)
LANDSCAPE PROVIDED, TOTAL SITE:	±29,121 SF
LOCATION OF LANDSCAPING:	MIN. 50% OF REQ. LANDSCAPING SHALL BE LOCATED IN THE FRONT OF & ALONG THE SIDE OF BUILDINGS W/ STREET FRONTAGE.
LANDSCAPE AREAS IN FRONT & SIDES OF BUILDINGS:	102,608 SF (17.4%)
MIN. SIZE OF AREAS:	ALL REQ. LANDSCAPING SHALL BE NO LESS THAN 5' WIDE AND A MIN. OF 25 SF IN AREA
PARKING LOT LANDSCAPING	MIN. 5% OR 200 SF OF LANDSCAPING, WHICHEVER IS GREATER, IN THE INTERIOR OF PARKING LOT AREA.
PROPOSED PARKING AREA: REQ. PARKING LOT LANDSCAPING:	±6,400 SF ±320 SF (6,400 x 5%) AND (1) LG. CANOPY TREE FOR EVERY 10 PARKING SPACES INTERNAL TO PARKING AREAS (PARKING AREA OVER 20,000 SF) REQ. PARKING SPACES MUST BE WITHIN 80' OF A CANOPY TREE TRUNK
PROPOSED PARKING LOT LANDSCAPING:	±1,200 SF 28 PARKING SPACES / 10 = 28 (3) TREES
TREES PROVIDED:	3 CANOPY TREES

GENERAL GRADING AND PLANTING NOTES

- BY SUBMITTING A PROPOSAL FOR THE LANDSCAPE PLANTING SCOPE OF WORK, THE CONTRACTOR CONFIRMS THAT HE HAS READ, AND WILL COMPLY WITH, THE ASSOCIATED NOTES, SPECIFICATIONS, AND DETAILS WITH THIS PROJECT.
- THE GENERAL CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL EXISTING VEGETATION (EXCEPT WHERE NOTED TO REMAIN).
- IN THE CONTEXT OF THESE PLANS, NOTES, AND SPECIFICATIONS, "FINISH GRADE" REFERS TO THE FINAL ELEVATION OF THE SOIL SURFACE (NOT TOP OF MULCH) AS INDICATED ON THE GRADING PLANS.
 - BEFORE STARTING WORK, THE LANDSCAPE CONTRACTOR SHALL VERIFY THAT THE ROUGH GRADES OF ALL LANDSCAPE AREAS ARE WITHIN +/-0.1' OF FINISH GRADE. SEE SPECIFICATIONS FOR MORE DETAILED INSTRUCTION ON TURF AREA AND PLANTING BED PREPARATION.
 - CONSTRUCT AND MAINTAIN FINISH GRADES AS SHOWN ON GRADING PLANS, AND CONSTRUCT AND MAINTAIN SLOPES AS RECOMMENDED BY THE GEOTECHNICAL REPORT. ALL LANDSCAPE AREAS SHALL HAVE POSITIVE DRAINAGE AWAY FROM STRUCTURES AT THE MINIMUM SLOPE SPECIFIED IN THE REPORT AND ON THE GRADING PLANS, AND AREAS OF POTENTIAL PONDING SHALL BE REGRADED TO BLEND IN WITH THE SURROUNDING GRADES AND ELIMINATE PONDING POTENTIAL.
 - THE LANDSCAPE CONTRACTOR SHALL DETERMINE WHETHER OR NOT THE EXPORT OF ANY SOIL WILL BE NEEDED, TAKING INTO ACCOUNT THE ROUGH GRADE PROVIDED, THE AMOUNT OF SOIL AMENDMENTS TO BE ADDED (BASED ON A SOIL TEST, PER SPECIFICATIONS), AND THE FINISH GRADES TO BE ESTABLISHED.
 - AFTER INSTALLING SOIL AMENDMENTS IN SHRUB AREAS, AND IN ORDER TO ALLOW FOR PROPER MULCH DEPTH, ENSURE THAT THE FINISH GRADE IMMEDIATELY ADJACENT TO WALKS AND OTHER WALKING SURFACES IS 3" BELOW FINISH GRADE, TAPERING TO MEET FINISH GRADE AT APPROXIMATELY 18" AWAY FROM THE SURFACE.
 - AFTER INSTALLING SOIL AMENDMENTS IN TURF AREAS, ENSURE THAT THE FINISH GRADE IN TURF AREAS IMMEDIATELY ADJACENT TO WALKS AND OTHER WALKING SURFACES IS 1" BELOW FINISH GRADE, TAPERING TO MEET FINISH GRADE AT APPROXIMATELY 18" AWAY FROM THE SURFACE.
 - SHOULD ANY CONFLICTS AND/OR DISCREPANCIES ARISE BETWEEN THE GRADING PLANS, GEOTECHNICAL REPORT, THESE NOTES AND PLANS, AND ACTUAL CONDITIONS, THE CONTRACTOR SHALL IMMEDIATELY BRING SUCH ITEMS TO THE ATTENTION OF THE LANDSCAPE ARCHITECT, GENERAL CONTRACTOR, AND OWNER.
- ALL PLANT LOCATIONS ARE DIAGRAMMATIC. ACTUAL LOCATIONS SHALL BE VERIFIED WITH THE LANDSCAPE ARCHITECT OR DESIGNER PRIOR TO PLANTING. THE LANDSCAPE CONTRACTOR SHALL ENSURE THAT ALL REQUIREMENTS OF THE PERMITTING AUTHORITY ARE MET (I.E., MINIMUM PLANT QUANTITIES, PLANTING METHODS, TREE PROTECTION METHODS, ETC.).
 - THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR DETERMINING PLANT QUANTITIES; PLANT QUANTITIES SHOWN ON LEGENDS AND CALLOUTS ARE FOR GENERAL INFORMATION ONLY. IN THE EVENT OF A DISCREPANCY BETWEEN THE PLAN AND THE PLANT LEGEND, THE PLANT QUANTITY AS SHOWN ON THE PLAN (FOR INDIVIDUAL SYMBOLS) OR CALLOUT (FOR GROUNDCOVER PATTERNS) SHALL TAKE PRECEDENCE.
 - NO SUBSTITUTIONS OF PLANT MATERIALS SHALL BE ALLOWED WITHOUT THE WRITTEN PERMISSION OF THE LANDSCAPE ARCHITECT.** IF SOME OF THE PLANTS ARE NOT AVAILABLE, THE LANDSCAPE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT IN WRITING (VIA PROPER CHANNELS).
 - THE CONTRACTOR SHALL, AT A MINIMUM, PROVIDE REPRESENTATIVE PHOTOS OF ALL PLANTS PROPOSED FOR THE PROJECT. THE CONTRACTOR SHALL ALLOW THE LANDSCAPE ARCHITECT AND THE OWNER/OWNER'S REPRESENTATIVE TO INSPECT, AND APPROVE OR REJECT, ALL PLANTS DELIVERED TO THE JOBSITE. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS FOR SUBMITTALS.
- THE CONTRACTOR SHALL MAINTAIN THE LANDSCAPE IN A HEALTHY CONDITION FOR 90 DAYS AFTER ACCEPTANCE BY THE OWNER. REFER TO SPECIFICATIONS FOR CONDITIONS OF ACCEPTANCE FOR THE START OF THE MAINTENANCE PERIOD, AND FOR FINAL ACCEPTANCE AT THE END OF THE MAINTENANCE PERIOD.
- PROVIDE HYDROMULCH FOR ALL DISTURBED LANDSCAPE AREAS OUTSIDE PROPERTY LIMITS.
- SEE SPECIFICATIONS AND DETAILS FOR FURTHER REQUIREMENTS.

PLANTING AND IRRIGATION GUARANTEE

THE LANDSCAPE CONTRACTOR SHALL GUARANTEE THAT ALL NEWLY INSTALLED AND EXISTING PLANTS SHALL SURVIVE FOR ONE YEAR AFTER FINAL OWNER ACCEPTANCE OF THE INSTALLATION WORK. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR APPROPRIATE WATERING OF THE LANDSCAPE THROUGH INSTALLATION OF A PROPERLY DESIGNED IRRIGATION SYSTEM. THE OWNER SHALL APPROVE THE SYSTEM DESIGN BEFORE INSTALLATION OF PLANTS OR IRRIGATION.

MULCHES

AFTER ALL PLANTING IS COMPLETE, CONTRACTOR SHALL INSTALL 3" THICK LAYER OF 1-1/2" SHREDDED WOOD MULCH, NATURAL (UNDYED), IN ALL PLANTING AREAS (EXCEPT FOR TURF AND SEEDING AREAS). CONTRACTOR SHALL SUBMIT SAMPLES OF ALL MULCHES TO LANDSCAPE ARCHITECT AND OWNER FOR APPROVAL PRIOR TO CONSTRUCTION. ABSOLUTELY NO EXPOSED GROUND SHALL BE LEFT SHOWING ANYWHERE ON THE PROJECT AFTER MULCH HAS BEEN INSTALLED (SUBJECT TO THE CONDITIONS AND REQUIREMENTS OF THE "GENERAL GRADING AND PLANTING NOTES" AND SPECIFICATIONS).

ROOT BARRIERS

THE CONTRACTOR SHALL INSTALL ROOT BARRIERS NEAR ALL NEWLY-PLANTED TREES THAT ARE LOCATED WITHIN FIVE (5) FEET OF PAVING OR CURBS. ROOT BARRIERS SHALL BE "CENTURY" OR "DEEP-ROOT" 24" DEEP PANELS (OR EQUAL). BARRIERS SHALL BE LOCATED IMMEDIATELY ADJACENT TO HARDSCAPE. INSTALL PANELS PER MANUFACTURER'S RECOMMENDATIONS. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR USE ROOT BARRIERS OF A TYPE THAT COMPLETELY ENCIRCLE THE ROOTBALL.

PLANTING SPECIFICATIONS

GENERAL

- A. QUALIFICATIONS OF LANDSCAPE CONTRACTOR**
- ALL LANDSCAPE WORK SHOWN ON THESE PLANS SHALL BE PERFORMED BY A SINGLE FIRM SPECIALIZING IN LANDSCAPE PLANTING.
 - A LIST OF SUCCESSFULLY COMPLETED PROJECTS OF THIS TYPE, SIZE AND NATURE MAY BE REQUESTED BY THE OWNER FOR FURTHER QUALIFICATION MEASURES.
 - THE LANDSCAPE CONTRACTOR MUST HOLD A VALID NURSERY AND FLORAL CERTIFICATE ISSUED BY THE TEXAS DEPARTMENT OF AGRICULTURE, AS WELL AS OPERATE UNDER A COMMERCIAL PESTICIDE APPLICATOR LICENSE ISSUED BY EITHER THE TEXAS DEPARTMENT OF AGRICULTURE OR THE TEXAS STRUCTURAL PEST CONTROL BOARD.
- B. SCOPE OF WORK**
- WORK COVERED BY THESE SECTIONS INCLUDES THE FURNISHING AND PAYMENT OF ALL MATERIALS, LABOR, SERVICES, EQUIPMENT, LICENSES, TAXES AND ANY OTHER ITEMS THAT ARE NECESSARY FOR THE EXECUTION, INSTALLATION AND COMPLETION OF ALL WORK, SPECIFIED HEREIN AND / OR SHOWN ON THE LANDSCAPE PLANS, NOTES, AND DETAILS.
 - ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE LAWS, CODES AND REGULATIONS REQUIRED BY AUTHORITIES HAVING JURISDICTION OVER SUCH WORK, INCLUDING ALL INSPECTIONS AND PERMITS REQUIRED BY FEDERAL, STATE AND LOCAL AUTHORITIES IN SUPPLY, TRANSPORTATION AND INSTALLATION OF MATERIALS.
 - THE LANDSCAPE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UNDERGROUND UTILITY LINES (WATER, SEWER, ELECTRICAL, TELEPHONE, GAS, CABLE, TELEVISION, ETC.) PRIOR TO THE START OF ANY WORK.

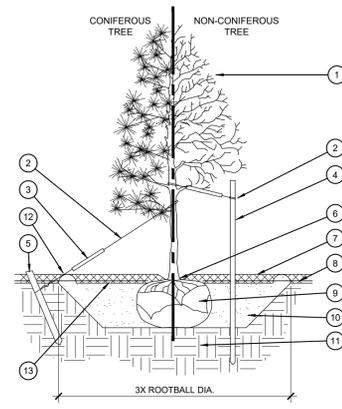
PRODUCTS

- A. ALL MANUFACTURED PRODUCTS SHALL BE NEW.**
- B. CONTAINER AND BALLED-AND-BURLAPPED PLANTS:**
- FURNISH NURSERY-GROWN PLANTS COMPLYING WITH ANSI Z60.1-2004. PROVIDE WELL-SHAPED, FULLY BRANCHED, HEALTHY, VIGOROUS STOCK FREE OF DISEASE, INSECTS, EGGS, LARVAE, AND DEFECTS SUCH AS KNOTS, SUN SCALD, INJURIES, ABRASIONS, AND DISFIGUREMENT. ALL PLANTS WITHIN A SPECIES SHALL HAVE SIMILAR SIZE, AND SHALL BE OF A FORM TYPICAL FOR THE SPECIES. ALL TREES SHALL BE OBTAINED FROM SOURCES WITHIN 200 MILES OF THE PROJECT SITE, AND WITH SIMILAR CLIMATIC CONDITIONS.
 - ROOT SYSTEMS SHALL BE HEALTHY, DENSELY BRANCHED, FIBROUS ROOT SYSTEMS, NON-POT-BOUND, FREE FROM ENCIRCLING AND/OR GIRDLING ROOTS, AND FREE FROM ANY OTHER ROOT DEFECTS (SUCH AS "SHARPED ROOTS").
 - ANY PLANT DEEMED UNACCEPTABLE BY THE LANDSCAPE ARCHITECT OR OWNER SHALL BE IMMEDIATELY REMOVED FROM THE SITE AND SHALL BE REPLACED WITH AN ACCEPTABLE PLANT OF LIKE TYPE AND SIZE AT THE CONTRACTOR'S OWN EXPENSE. ANY PLANTS APPEARING TO BE UNHEALTHY, EVEN IF DETERMINED TO STILL BE ALIVE, SHALL NOT BE ACCEPTED. THE LANDSCAPE ARCHITECT AND OWNER SHALL BE THE SOLE JUDGES AS TO THE ACCEPTABILITY OF PLANT MATERIAL.
 - ALL TREES SHALL BE STANDARD IN FORM, UNLESS OTHERWISE SPECIFIED. TREES WITH CENTRAL LEADERS WILL NOT BE ACCEPTED IF LEADER IS DAMAGED OR REMOVED. PRUNE ALL DAMAGED TWIGS AFTER PLANTING.
 - CALIPER MEASUREMENTS FOR STANDARD (SINGLE TRUNK) TREES SHALL BE AS FOLLOWS: SIX INCHES ABOVE THE ROOT FLARE FOR TREES UP TO AND INCLUDING FOUR INCHES IN CALIPER, AND TWELVE INCHES ABOVE THE ROOT FLARE FOR TREES EXCEEDING FOUR INCHES IN CALIPER. MULTI-TRUNK TREES SHALL BE MEASURED BY THEIR OVERALL HEIGHT, MEASURED FROM THE TOP OF THE ROOT BALL.
 - ANY TREE OR SHRUB SHOWN TO HAVE EXCESS SOIL PLACED ON TOP OF THE ROOT BALL, SO THAT THE ROOT FLARE HAS BEEN COMPLETELY COVERED, SHALL BE REJECTED.
- C. SOD:** PROVIDE WELL-ROOTED SOD OF THE VARIETY NOTED ON THE PLANS. SOD SHALL BE CUT FROM HEALTHY, MATURE TURF WITH SOIL THICKNESS OF 3/4" TO 1". EACH Pallet OF SOD SHALL BE ACCOMPANIED BY A CERTIFICATE FROM SUPPLIER STATING THE COMPOSITION OF THE SOD.
- D. SEED:** PROVIDE BLEND OF SPECIES AND VARIETIES AS NOTED ON THE PLANS, WITH MAXIMUM PERCENTAGES OF PURITY, GERMINATION, AND MINIMUM PERCENTAGE OF WEED SEED AS INDICATED ON PLANS. EACH BAG OF SEED SHALL BE ACCOMPANIED BY A TAG FROM THE SUPPLIER INDICATING THE COMPOSITION OF THE SEED.
- E. TOPSOIL:** SANDY TO CLAY LOAM TOPSOIL, FREE OF STONES LARGER THAN 1/2 INCH, FOREIGN MATTER, PLANTS, ROOTS, AND SEEDS.
- F. COMPOST:** WELL-COMPOSTED, STABLE, AND WEED-FREE ORGANIC MATTER, pH RANGE OF 5.5 TO 8; MOISTURE CONTENT 35 TO 55 PERCENT BY WEIGHT; 100 PERCENT PASSING THROUGH 3/4-INCH SIEVE; SOLUBLE SALT CONTENT OF 5 TO 10 DECISEMENS/M; NOT EXCEEDING 0.5 PERCENT INERT CONTAMINANTS AND FREE OF SUBSTANCES TOXIC TO PLANTINGS. NO MANURE OR ANIMAL-BASED PRODUCTS SHALL BE USED.
- G. PLANTING MIX:** AN EQUAL PART MIXTURE OF TOPSOIL, SAND AND COMPOST.
- H. FERTILIZER:** GRANULAR FERTILIZER CONSISTING OF NITROGEN, PHOSPHORUS, POTASSIUM, AND OTHER NUTRIENTS IN PROPORTIONS, AMOUNTS, AND RELEASE RATES RECOMMENDED IN A SOIL REPORT FROM A QUALIFIED SOIL-TESTING AGENCY (SEE BELOW).
- I. MULCH:** SIZE AND TYPE AS INDICATED ON PLANS, FREE FROM DELETERIOUS MATERIALS AND SUITABLE AS A TOP DRESSING OF TREES AND SHRUBS.
- J. WEED FABRIC:** 5 OUNCE, WOVEN, NEEDLE-PUNCHED FABRIC, SUCH AS DEWITT PRO5 LANDSCAPE FABRIC (OR APPROVED EQUAL).
- K. TREE STAKING AND GUYING**
- STAKES: 6" LONG GREEN METAL T-POSTS.
 - GUY AND TIE WIRE: ASTM A 641, CLASS 1, GALVANIZED-STEEL WIRE, 2-STRAND, TWISTED, 0.108 INCH DIAMETER.
 - STRAP CHAFING GUARD: REINFORCED NYLON OR CANVAS AT LEAST 1-1/2 INCH WIDE, WITH GROMMETS TO PROTECT TREE TRUNKS FROM DAMAGE.
- L. STEEL EDGING:** PROFESSIONAL STEEL EDGING, 14 GAUGE THICK X 4 INCHES WIDE, FACTORY PAINTED DARK GREEN, ACCEPTABLE MANUFACTURERS INCLUDE COL-MET OR APPROVED EQUAL.
- M. PRE-EMERGENT HERBICIDES:** ANY GRANULAR, NON-STAINING PRE-EMERGENT HERBICIDE THAT IS LABELED FOR THE SPECIFIC ORNAMENTALS OR TURF ON WHICH IT WILL BE UTILIZED. PRE-EMERGENT HERBICIDES SHALL BE APPLIED PER THE MANUFACTURER'S LABELED RATES.

METHODS

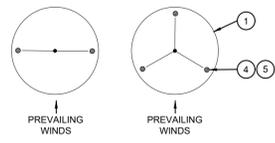
- A. SOIL PREPARATION**
- BEFORE STARTING WORK, THE LANDSCAPE CONTRACTOR SHALL VERIFY THAT THE GRADE OF ALL LANDSCAPE AREAS ARE WITHIN +/-0.1' OF FINISH GRADE. THE CONTRACTOR SHALL NOTIFY THE OWNER IMMEDIATELY SHOULD ANY DISCREPANCIES EXIST.
 - SOIL TESTING:
 - AFTER FINISH GRADES HAVE BEEN ESTABLISHED, CONTRACTOR SHALL HAVE SOIL SAMPLES TESTED BY AN ESTABLISHED SOIL TESTING LABORATORY FOR THE FOLLOWING: SOIL TEXTURAL CLASS, GENERAL SOIL FERTILITY, pH, ORGANIC MATTER CONTENT, SALT (CEC), LIME, SODIUM ADSORPTION RATIO (SAR) AND BORON CONTENT. EACH SAMPLE SUBMITTED SHALL CONTAIN NO LESS THAN ONE QUART OF SOIL.
 - CONTRACTOR SHALL ALSO SUBMIT THE PROJECTS PLANT LIST TO THE LABORATORY ALONG WITH THE SOIL SAMPLES.
 - THE SOIL REPORT PRODUCED BY THE LABORATORY SHALL CONTAIN RECOMMENDATIONS FOR THE FOLLOWING (AS APPROPRIATE): GENERAL SOIL PREPARATION AND BACKFILL MIXES, PRE-PLANT FERTILIZER APPLICATIONS, AND ANY OTHER SOIL RELATED ISSUES. THE REPORT SHALL ALSO PROVIDE A FERTILIZER PROGRAM FOR THE ESTABLISHMENT PERIOD AND FOR LONG-TERM MAINTENANCE.
 - THE CONTRACTOR SHALL INSTALL SOIL AMENDMENTS AND FERTILIZERS PER THE SOILS REPORT RECOMMENDATIONS. ANY CHANGE IN COST DUE TO THE SOIL REPORT RECOMMENDATIONS, EITHER INCREASE OR DECREASE, SHALL BE SUBMITTED TO THE OWNER WITH THE REPORT.
 - FOR BIDDING PURPOSES ONLY, THE SOIL PREPARATION SHALL CONSIST OF THE FOLLOWING:
 - TURF: INCORPORATE THE FOLLOWING AMENDMENTS INTO THE TOP 8" OF SOIL BY MEANS OF ROTOTILLING AFTER CROSS-RIPPING:
 - NITROGEN STABILIZED ORGANIC AMENDMENT - 4 CU. YDS. PER 1,000 S.F.
 - AMMONIUM PHOSPHATE 16-20-0 - 15 LBS PER 1,000 S.F.
 - AGRICULTURAL GYPSUM - 100 LBS PER 1,000 S.F.
 - TREES, SHRUBS, AND PERENNIALS: INCORPORATE THE FOLLOWING AMENDMENTS INTO THE TOP 8" OF SOIL BY MEANS OF ROTOTILLING AFTER CROSS-RIPPING:
 - NITROGEN STABILIZED ORGANIC AMENDMENT - 4 CU. YDS. PER 1,000 S.F.
 - 12-12-12 FERTILIZER - 10 LBS. PER CU. YD.
 - AGRICULTURAL GYPSUM - 10 LBS. PER CU. YD.
 - IRON SULPHATE - 2 LBS. PER CU. YD.
 - CONTRACTOR SHALL ENSURE THAT THE GRADE IN SOD AREAS SHALL BE 1" BELOW FINISH GRADE AFTER INSTALLING SOIL AMENDMENTS, AND 2" BELOW FINISH GRADE IN SHRUB AREAS AFTER INSTALLING SOIL AMENDMENTS. MULCH COVER WITHIN 6" OF CONCRETE WALKS AND CURBS SHALL NOT PROTRUDE ABOVE THE FINISH SURFACE OF THE WALKS AND CURBS. MULCH COVER WITHIN 12" OF WALLS SHALL BE AT LEAST 3" LOWER THAN THE TOP OF WALL.
 - ONCE SOIL PREPARATION IS COMPLETE, THE LANDSCAPE CONTRACTOR SHALL ENSURE THAT THERE ARE NO DEBRIS, TRASH, OR STONES LARGER THAN 1" REMAINING IN THE TOP 6" OF SOIL.

- B. GENERAL PLANTING**
- REMOVE ALL NURSERY TAGS AND STAKES FROM PLANTS.
 - EXCEPT IN AREAS TO BE PLANTED WITH ORNAMENTAL GRASSES, APPLY PRE-EMERGENT HERBICIDES AT THE MANUFACTURER'S RECOMMENDED RATE.
 - TRENCHING NEAR EXISTING TREES:
 - CONTRACTOR SHALL NOT DISTURB ROOTS 1-1/2" AND LARGER IN DIAMETER WITHIN THE CRITICAL ROOT ZONE (CRZ) OF EXISTING TREES, AND SHALL EXERCISE ALL POSSIBLE CARE AND PRECAUTIONS TO AVOID INJURY TO TREE ROOTS, TRUNKS, AND BRANCHES. THE CRZ IS DEFINED AS A CIRCULAR AREA EXTENDING OUTWARD FROM THE TREE TRUNK, WITH A RADIUS EQUAL TO 1" FOR EVERY 1" OF TRUNK DIAMETER-AT-BREAST-HEIGHT (4.5' ABOVE THE GRADE AT THE TRUNK).
 - ALL EXCAVATION WITHIN THE CRZ SHALL BE PERFORMED USING HAND TOOLS. NO MACHINE EXCAVATION OR TRENCHING OF ANY KIND SHALL BE ALLOWED WITHIN THE CRZ.
 - ALTER ALIGNMENT OF PIPE TO AVOID TREE ROOTS 1-1/2" AND LARGER IN DIAMETER. WHEN TREE ROOTS 1-1/2" AND LARGER IN DIAMETER ARE ENCOUNTERED IN THE FIELD, TUNNEL UNDER SUCH ROOTS. WRAP EXPOSED ROOTS WITH SEVERAL LAYERS OF BURLAP AND KEEP MOIST. CLOSE ALL TRENCHES WITHIN THE CANOPY DRIP LINES WITHIN 24 HOURS.
 - ALL SEVERED ROOTS SHALL BE HAND PRUNED WITH SHARP TOOLS AND ALLOWED TO AIR-DRY. DO NOT USE ANY SORT OF SEALERS OR WOUND PAINTS.
- C. TREE PLANTING**
- TREE PLANTING HOLES SHALL BE EXCAVATED TO MINIMUM WIDTH OF TWO TIMES THE WIDTH OF THE ROOTBALL, AND TO A DEPTH EQUAL TO THE DEPTH OF THE ROOTBALL, LESS TWO INCHES. SCARIFY THE SIDES AND BOTTOM OF THE PLANTING HOLE PRIOR TO THE PLACEMENT OF THE TREE. REMOVE ANY GLAZING THAT MAY HAVE BEEN CAUSED DURING THE EXCAVATION OF THE HOLE.
 - FOR CONTAINER TREES, TO REMOVE ANY POTENTIALLY GIRDLING ROOTS AND OTHER ROOT DEFECTS, THE CONTRACTOR SHALL SHAVE A 1" LAYER OFF OF THE SIDES AND BOTTOM OF THE ROOTBALL OF ALL TREES JUST BEFORE PLACING INTO THE PLANTING PIT. DO NOT "TEASE" ROOTS OUT FROM THE ROOTBALL.
 - INSTALL THE TREE ON UNDISTURBED SUBGRADE SO THAT THE TOP OF THE ROOTBALL IS TWO TO THREE INCHES ABOVE THE SURROUNDING GRADE.
 - BACKFILL THE TREE HOLE UTILIZING THE EXISTING TOPSOIL FROM ON-SITE. ROCKS LARGER THAN 1" DIA. AND ALL OTHER DEBRIS SHALL BE REMOVED FROM THE SOIL PRIOR TO THE BACKFILL. SHOULD ADDITIONAL SOIL BE REQUIRED TO ACCOMPLISH THIS TASK, IMPORT ADDITIONAL TOPSOIL FROM OFF-SITE AT NO ADDITIONAL COST TO THE OWNER.
 - THE TOTAL NUMBER OF TREE STAKES (BEYOND THE MINIMUMS LISTED BELOW) WILL BE LEFT TO THE LANDSCAPE CONTRACTOR'S DISCRETION. SHOULD ANY TREES FALL OR LEAN, THE LANDSCAPE CONTRACTOR SHALL STRAIGHTEN THE TREE OR REPLACE IT SHOULD IT BECOME DAMAGED. TREE STAKING SHALL ADHERE TO THE FOLLOWING GUIDELINES:
 - 15 - 30 GAL TREES TWO STAKES PER TREE
 - 45 - 100 GAL TREES THREE STAKES PER TREE
 - MULTI-TRUNK TREES THREE STAKES PER TREE MINIMUM, POSITIONED AS NEEDED TO STABILIZE THE TREE.
 - UPON COMPLETION OF PLANTING, CONSTRUCT AN EARTH WATERING BASIN AROUND THE TREE. COVER THE INTERIOR OF THE TREE RING WITH THE WEED BARRIER CLOTH AND TOPDRESS WITH MULCH (TYPE AND DEPTH PER PLANS).
- D. SHRUB, PERENNIAL AND GROUND-COVER PLANTING**
- DIG THE PLANTING HOLES TWICE AS WIDE AND 2" LESS DEEP THAN EACH PLANT'S ROOTBALL. INSTALL THE PLANT IN THE HOLE. BACKFILL AROUND THE PLANT WITH SOIL AMENDED PER SOIL TEST RECOMMENDATIONS.
 - INSTALL THE WEED BARRIER CLOTH, OVERLAPPING IT AT THE ENDS. UTILIZE STEEL STAPLES TO KEEP THE WEED BARRIER CLOTH IN PLACE.
 - WHEN PLANTING IS COMPLETE, INSTALL MULCH (TYPE AND DEPTH PER PLANS) OVER ALL PLANTING BEDS, COVERING THE ENTIRE PLANTING AREA.
- E. SODDING**
- SOD VARIETY TO BE AS SPECIFIED ON THE LANDSCAPE PLAN.
 - LAY SOD WITHIN 24 HOURS FROM THE TIME OF STRIPPING. DO NOT LAY IF THE GROUND IS FROZEN.
 - LAY THE SOD TO FORM A SOLID MASS WITH TIGHTLY FITTED JOINTS. BUTT ENDS AND SIDES OF SOD STRIPS - DO NOT OVERLAP. STAGGER STRIPS TO OFFSET JOINTS IN ADJACENT COURSES.
 - ROLL THE SOD TO ENSURE GOOD CONTACT OF THE SOD'S ROOT SYSTEM WITH THE SOIL UNDERNEATH.
 - WATER THE SOD THOROUGHLY WITH A FINE SPRAY IMMEDIATELY AFTER PLANTING TO OBTAIN AT LEAST SIX INCHES OF PENETRATION INTO THE SOIL BELOW THE SOD.
- F. HYDROMULCHING**
- THE HYDROMULCH MIX (PER 1,000 SF) SHALL BE AS FOLLOWS:
 - WINTER MIX (OCTOBER 1 - MARCH 31)
 - 50# CELLULOSE FIBER MULCH
 - 2# UNHULLED BERMUDA SEED
 - 2# ANNUAL RYE SEED
 - 15# 15-15-15 WATER SOLUBLE FERTILIZER
 - SUMMER MIX (APRIL 1 - SEPTEMBER 30)
 - 50# CELLULOSE FIBER MULCH
 - 2# HULLED BERMUDA SEED
 - 15# 15-15-15 WATER SOLUBLE FERTILIZER
- G. CLEAN UP**
- DURING LANDSCAPE PREPARATION AND PLANTING, KEEP ALL PAVEMENT CLEAN AND ALL WORK AREAS IN A NEAT, ORDERLY CONDITION.
 - DISPOSED LEGALLY OF ALL EXCAVATED MATERIALS OFF THE PROJECT SITE.
- H. INSPECTION AND ACCEPTANCE**
- UPON COMPLETION OF THE WORK, THE LANDSCAPE CONTRACTOR SHALL PROVIDE THE SITE CLEAN, FREE OF DEBRIS AND TRASH, AND SUITABLE FOR USE AS INTENDED. THE LANDSCAPE CONTRACTOR SHALL THEN REQUEST AN INSPECTION BY THE OWNER TO DETERMINE FINAL ACCEPTABILITY.
 - WHEN THE INSPECTED PLANTING WORK DOES NOT COMPLY WITH THE CONTRACT DOCUMENTS, THE LANDSCAPE CONTRACTOR SHALL REPLACE AND/OR REPAIR THE REJECTED WORK TO THE OWNER'S SATISFACTION WITHIN 24 HOURS.
 - THE LANDSCAPE MAINTENANCE PERIOD WILL NOT COMMENCE UNTIL THE LANDSCAPE WORK HAS BEEN RE-INSPECTED BY THE OWNER AND FOUND TO BE ACCEPTABLE. AT THAT TIME, A WRITTEN NOTICE OF FINAL ACCEPTANCE WILL BE ISSUED BY THE OWNER, AND THE MAINTENANCE AND GUARANTEE PERIODS WILL COMMENCE.
- I. LANDSCAPE MAINTENANCE**
- THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF ALL WORK SHOWN ON THESE PLANS FOR 90 DAYS BEYOND FINAL ACCEPTANCE OF ALL LANDSCAPE WORK BY THE OWNER. LANDSCAPE MAINTENANCE SHALL INCLUDE WEEKLY SITE VISITS FOR THE FOLLOWING ACTIONS (AS APPROPRIATE): PROPER PRUNING, RESTAKING OF TREES, RESETTling OF PLANTS THAT HAVE SETTLED, MOWING AND AERATION OF LAWNS, WEEDING, RESEEDING AREAS WHICH HAVE NOT GERMINATED WELL, TREATING FOR INSECTS AND DISEASES, REPLACEMENT OF MULCH, REMOVAL OF LITTER, REPAIRS TO THE IRRIGATION SYSTEM DUE TO FAULTY PARTS AND/OR WORKMANSHIP, AND THE APPROPRIATE WATERING OF ALL PLANTINGS. THE LANDSCAPE CONTRACTOR SHALL MAINTAIN THE IRRIGATION SYSTEM IN PROPER WORKING ORDER, WITH SCHEDULING ADJUSTMENTS BY SEASON TO MAXIMIZE WATER CONSERVATION.
 - SHOULD SEEDED AND/OR SODDED AREAS NOT BE COVERED BY AN AUTOMATIC IRRIGATION SYSTEM, THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR WATERING THESE AREAS AND OBTAINING A FULL, HEALTHY STAND OF GRASS AT NO ADDITIONAL COST TO THE OWNER.
 - TO ACHIEVE FINAL ACCEPTANCE AT THE END OF THE MAINTENANCE PERIOD, ALL OF THE FOLLOWING CONDITIONS MUST OCCUR:
 - THE LANDSCAPE SHALL SHOW ACTIVE, HEALTHY GROWTH (WITH EXCEPTIONS MADE FOR SEASONAL DORMANCY). ALL PLANTS NOT MEETING THIS CONDITION SHALL BE REJECTED AND REPLACED BY HEALTHY PLANT MATERIAL PRIOR TO FINAL ACCEPTANCE.
 - ALL HARDWARE SHALL BE CLEANED PRIOR TO FINAL ACCEPTANCE.
 - SODDED AREAS MUST BE ACTIVELY GROWING AND MUST REACH A MINIMUM HEIGHT OF 1 1/2 INCHES BEFORE FIRST MOWING. HYDROMULCHED AREAS SHALL SHOW ACTIVE, HEALTHY GROWTH. BARE AREAS LARGER THAN TWELVE SQUARE INCHES MUST BE RESEDED OR RESEED (AS APPROPRIATE) PRIOR TO FINAL ACCEPTANCE. ALL SODDED TURF SHALL BE NEATLY MOWED.
- J. WARRANTY PERIOD, PLANT GUARANTEE AND REPLACEMENTS**
- THE LANDSCAPE CONTRACTOR SHALL GUARANTEE ALL TREES, SHRUBS, PERENNIALS, SOD, SEEDED/HYDROMULCHED AREAS, AND IRRIGATION SYSTEMS FOR A PERIOD OF ONE YEAR FROM THE DATE OF THE OWNER'S FINAL ACCEPTANCE (90 DAYS FOR ANNUAL PLANTS). THE CONTRACTOR SHALL REPLACE, AT HIS OWN EXPENSE AND TO THE SATISFACTION OF THE OWNER, ANY PLANTS WHICH DIE IN THAT TIME, OR REPAIR ANY PORTIONS OF THE IRRIGATION SYSTEM WHICH OPERATE IMPROPERLY.
 - AFTER THE INITIAL MAINTENANCE PERIOD AND DURING THE GUARANTEE PERIOD, THE LANDSCAPE CONTRACTOR SHALL ONLY BE RESPONSIBLE FOR REPLACEMENT OF PLANTS WHEN PLANT DEATH CANNOT BE ATTRIBUTED DIRECTLY TO OVERWATERING OR OTHER DAMAGE BY HUMAN ACTIONS.
- K. PROVIDE A MINIMUM OF (2) COPIES OF RECORD DRAWINGS TO THE OWNER UPON COMPLETION OF WORK. A RECORD DRAWING IS A RECORD OF ALL CHANGES THAT OCCURRED IN THE FIELD AND THAT ARE DOCUMENTED THROUGH CHANGE ORDERS, ADDENDA, OR CONTRACTOR/CONSULTANT DRAWING MARKUPS.**



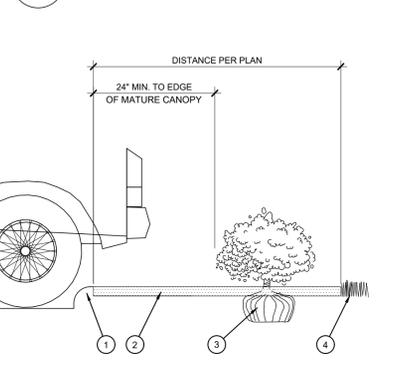
- TREE CANOPY.
- GUAGE GALVANIZED WIRE WITH NYLON TREE STRAPS AT TREE AND STAKE (36" BOX TREES AND LARGER). SECURE TIES OR STRAPS TO TRUNK JUST ABOVE LOWEST MAJOR BRANCHES.
- 24" X 3/4" P.V.C. MARKERS OVER WIRES.
- GREEN STEEL T-POSTS. EXTEND POSTS 12" MIN. INTO UNDISTURBED SOIL.
- PRESSURE-TREATED WOOD DEADMAN, TWO PER TREE (MIN.). BURY OUTSIDE OF PLANTING PIT AND 18" MIN. INTO UNDISTURBED SOIL.
- TRUNK FLARE.
- MULCH, TYPE AND DEPTH PER PLANS. DO NOT PLACE MULCH WITHIN 6" OF TRUNK.
- WEED FABRIC UNDER MULCH.
- ROOT BALL.
- BACKFILL. AMEND AND FERTILIZE ONLY AS RECOMMENDED IN SOIL FERTILITY ANALYSIS.
- UNDISTURBED NATIVE SOIL.
- 4" HIGH EARTHEN WATERING BASIN.
- FINISH GRADE.

- NOTES:**
- SCARIFY SIDES OF PLANTING PIT PRIOR TO SETTING TREE.
 - REMOVE EXCESS SOIL APPLIED ON TOP OF THE ROOTBALL THAT COVERS THE ROOT FLARE. THE PLANTING HOLE DEPTH SHALL BE SUCH THAT THE ROOTBALL RESTS ON UNDISTURBED SOIL, AND THE ROOT FLARE IS 2"-3" ABOVE FINISH GRADE.
 - FOR BALLED-AND-BURLAPPED TREES, REMOVE WIRE BASKET AND BURLAP BEFORE BACKFILLING.
 - REMOVE ALL NURSERY STAKES AFTER PLANTING.
 - FOR TREES OVER 3" CALIPER AND TREES 36" BOX AND LARGER, USE THREE STAKES OR DEADMEN (AS APPROPRIATE), SPACED EVENLY AROUND TREE.
 - STAKING SHALL BE TIGHT ENOUGH TO PREVENT TRUNK FROM BENDING, BUT LOOSE ENOUGH TO ALLOW SOME TRUNK MOVEMENT IN WIND.

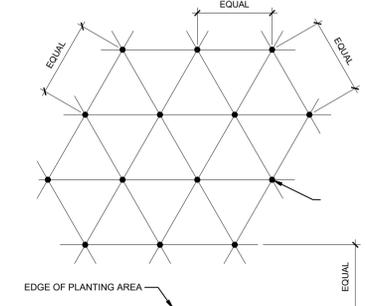


- SHRUB, PERENNIAL, OR ORNAMENTAL GRASS.
- MULCH, TYPE AND DEPTH PER PLANS. PLACE NO MORE THAN 1" OF MULCH WITHIN 6" OF PLANT CENTER.
- FINISH GRADE.
- ROOT BALL.
- BACKFILL. AMEND AND FERTILIZE ONLY AS RECOMMENDED IN SOIL FERTILITY ANALYSIS.
- UNDISTURBED NATIVE SOIL.
- 3" HIGH EARTHEN WATERING BASIN.
- WEED FABRIC UNDER MULCH.

B SHRUB AND PERENNIAL PLANTING



- CURB.
- MULCH LAYER.
- PLANT.
- TURF (WHERE SHOWN ON PLAN).



NOTE: ALL PLANTS SHALL BE PLANTED AT EQUAL TRIANGULAR SPACING (EXCEPT WHERE SHOWN ON PLANS AS INFORMAL GROUPINGS). REFER TO PLANT LEGEND FOR SPACING DISTANCE BETWEEN PLANTS.

PLANT SPACING	AREA DIVIDER TO DETERMINE NO. OF PLANTS
6"	0.25
8"	0.45
10"	0.69
12"	1.00
15"	1.56
18"	2.25
24"	4.50
30"	6.25
36"	9

EXAMPLE: PLANTS AT 18" O.C. IN 100 SF OF PLANTING AREA = 100/2.25 = 44 PLANTS

E HEDGE PLANTING AT PARKING AREA

SCALE: NOT TO SCALE

C PLANT SPACING

SCALE: NTS



LANDSCAPE DETAILS & SPECIFICATIONS

Date	Comment

Project Number
Date: XX/XX/2018
Drawn By: LML
Checked By: LML/RM

LP-2

PLANT SCHEDULE

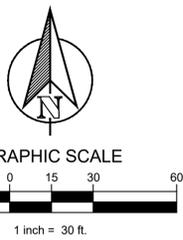
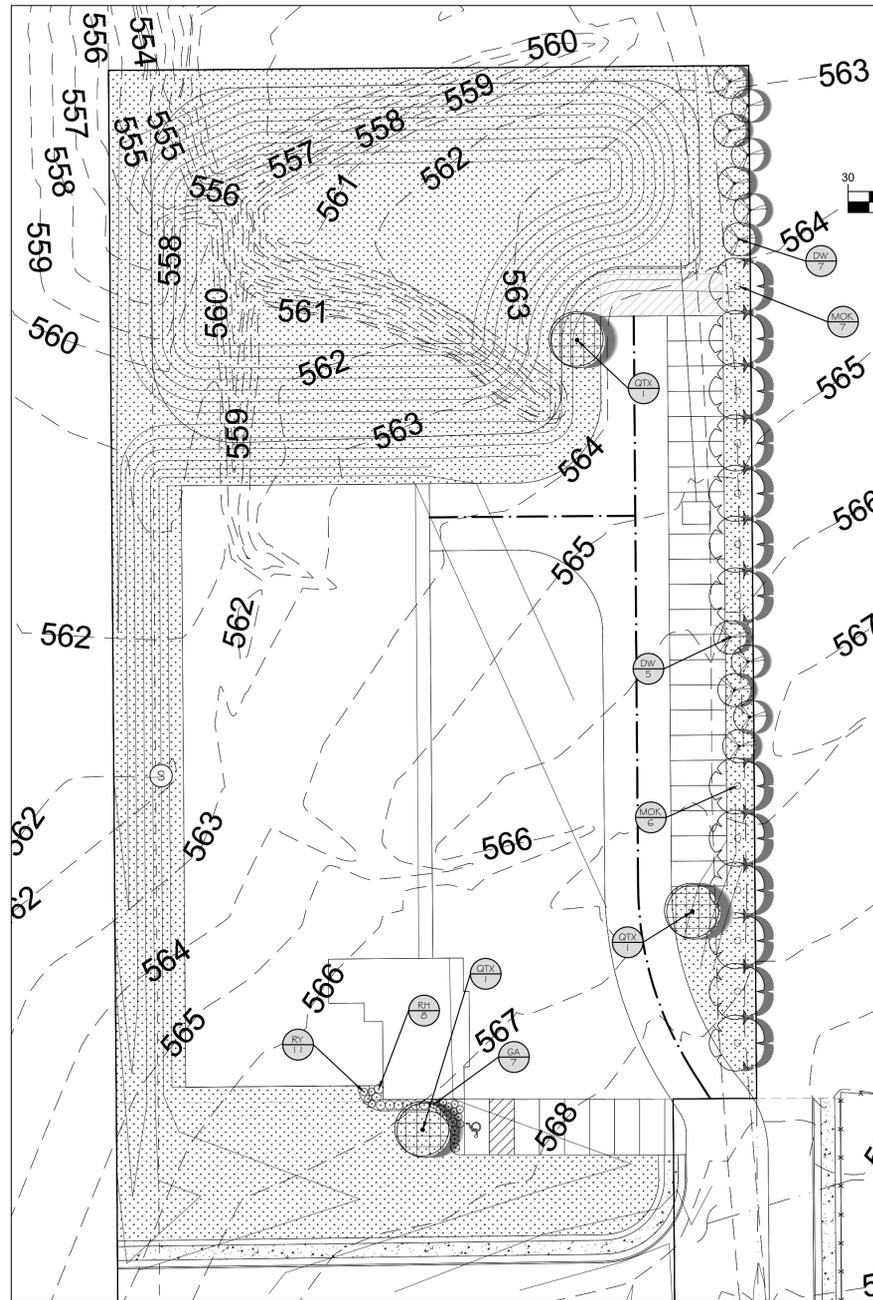
TREES	CODE	COMMON / BOTANICAL NAME	SIZE	CONTAINER	QTY
	DW	Desert Willow / <i>Chilopsis linearis</i> min. 12' ht; street tree	3" Cal.	Cont.	12
	MOK	Monterey Oak / <i>Quercus polymorpha</i> "Monterey" min. 12' ht; street tree	3" Cal.	Cont.	13
	QTX	Shumard Oak / <i>Quercus shumardii</i> min. 12' ht; parking lot tree	3" Cal.	Cont.	3
SHRUBS	CODE	COMMON / BOTANICAL NAME	SIZE	QTY	
	GA	Glossy Abelia / <i>Abelia grandiflora</i> 36" o.c.	5 gal	7	
	RY	Red Yucca / <i>Hesperaloe parviflora</i> 30" o.c.	3 gal	11	
	RH	Indian Hawthorn / <i>Raphiolepis Indica</i> "Snow" 36" o.c.	5 gal	8	
GROUND COVERS	CODE	COMMON / BOTANICAL NAME	SIZE	QTY	
	CD	Bermuda Grass / <i>Cynodon dactylon</i> "tif 419"	sod	75,040 sf	

LANDSCAPE STANDARDS

05.01 LANDSCAPE BUFFERS - NON-RESIDENTIAL	
ENTERPRISE DR.: #365' STREET FRONTAGE	20' WIDE BUFFER REQ. W/ 3 CANOPY + 4 ACCENT TREE PER 100 LIN. FT. OF FRONTAGE; GROUND COVER, BUILT UP BERM AND SHRUBBERY ALONG ENTIRE FRONTAGE, 30" HIGH, MIN.
REQUIRED PLANTING: PROVIDED 30' BUFFER:	13 CANOPY TREES, 12 ACCENT TREES, W/ SHRUBS 13 NEW CANOPY TREES; 12 ACCENT TREES
WEST PROPERTY LINE BUFFER:	NOT REQUIRED. PROPERTY ZONED COMMERCIAL (C)
05.02 LANDSCAPE SCREENING	
REQ. HEADLIGHT SCREENING	HEAD-IN PARKING ADJ. TO STREET SHALL INCORP. MIN. 2' BERM W/ MATURE EVERGREEN SHRUBS ALONG ENTIRE PARKING AREAS
PROVIDED SCREENING SCREENING FROM RESIDENTIAL	N/A N/A
05.03 LANDSCAPE REQUIREMENTS - COMMERCIAL (C) DISTRICT	
TOTAL SITE AREA:	144,251 SF
LANDSCAPE AREA REQUIRED TOTAL SITE:	28,850 SF (20%)
LANDSCAPE PROVIDED, TOTAL SITE:	±29,121 SF
LOCATION OF LANDSCAPING:	MIN. 50% OF REQ. LANDSCAPING SHALL BE LOCATED IN THE FRONT OF & ALONG THE SIDE OF BUILDINGS W/ STREET FRONTAGE.
LANDSCAPE AREAS IN FRONT & SIDES OF BUILDINGS:	102,608 SF (17.4%)
MIN. SIZE OF AREAS:	ALL REQ. LANDSCAPING SHALL BE NO LESS THAN 5' WIDE AND A MIN. OF 25 SF IN AREA
PARKING LOT LANDSCAPING	MIN. 5% OR 200 SF OF LANDSCAPING, WHICHEVER IS GREATER, IN THE INTERIOR OF PARKING LOT AREA.
PROPOSED PARKING AREA: REQ. PARKING LOT LANDSCAPING:	±6,400 SF ±320 SF (6,400 x 5%) AND (1) LG. CANOPY TREE FOR EVERY 10 PARKING SPACES INTERNAL TO PARKING AREAS (PARKING AREA OVER 20,000 SF) REQ. PARKING SPACES MUST BE WITHIN 80' OF A CANOPY TREE TRUNK
PROPOSED PARKING LOT LANDSCAPING:	±1,200 SF 28 PARKING SPACES / 10 = 28 (3) TREES 3 CANOPY TREES
TREES PROVIDED:	3 CANOPY TREES

GENERAL GRADING AND PLANTING NOTES

- BY SUBMITTING A PROPOSAL FOR THE LANDSCAPE PLANTING SCOPE OF WORK, THE CONTRACTOR CONFIRMS THAT HE HAS READ, AND WILL COMPLY WITH, THE ASSOCIATED NOTES, SPECIFICATIONS, AND DETAILS WITH THIS PROJECT.
- THE GENERAL CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL EXISTING VEGETATION (EXCEPT WHERE NOTED TO REMAIN).
- IN THE CONTEXT OF THESE PLANS, NOTES, AND SPECIFICATIONS, "FINISH GRADE" REFERS TO THE FINAL ELEVATION OF THE SOIL SURFACE (NOT TOP OF MULCH) AS INDICATED ON THE GRADING PLANS.
 - BEFORE STARTING WORK, THE LANDSCAPE CONTRACTOR SHALL VERIFY THAT THE ROUGH GRADES OF ALL LANDSCAPE AREAS ARE WITHIN ±0.1' OF FINISH GRADE. SEE SPECIFICATIONS FOR MORE DETAILED INSTRUCTION ON TURF AREA AND PLANTING BED PREPARATION.
 - CONSTRUCT AND MAINTAIN FINISH GRADES AS SHOWN ON GRADING PLANS, AND CONSTRUCT AND MAINTAIN SLOPES AS RECOMMENDED BY THE GEOTECHNICAL REPORT. ALL LANDSCAPE AREAS SHALL HAVE POSITIVE DRAINAGE AWAY FROM STRUCTURES AT THE MINIMUM SLOPE SPECIFIED IN THE REPORT AND ON THE GRADING PLANS, AND AREAS OF POTENTIAL PONDING SHALL BE REGRADED TO BLEND IN WITH THE SURROUNDING GRADES AND ELIMINATE PONDING POTENTIAL.
 - THE LANDSCAPE CONTRACTOR SHALL DETERMINE WHETHER OR NOT THE EXPORT OF ANY SOIL WILL BE NEEDED, TAKING INTO ACCOUNT THE ROUGH GRADE PROVIDED, THE AMOUNT OF SOIL AMENDMENTS TO BE ADDED (BASED ON A SOIL TEST PER SPECIFICATIONS), AND THE FINISH GRADES TO BE ESTABLISHED.
 - AFTER INSTALLING SOIL AMENDMENTS IN SHRUB AREAS, AND IN ORDER TO ALLOW FOR PROPER MULCH DEPTH, ENSURE THAT THE FINISH GRADE IMMEDIATELY ADJACENT TO WALKS AND OTHER WALKING SURFACES IS 3" BELOW FINISH GRADE, TAPERING TO MEET FINISH GRADE AT APPROXIMATELY 18" AWAY FROM THE SURFACE.
 - AFTER INSTALLING SOIL AMENDMENTS IN TURF AREAS, ENSURE THAT THE FINISH GRADE IN TURF AREAS IMMEDIATELY ADJACENT TO WALKS AND OTHER WALKING SURFACES IS 1" BELOW FINISH GRADE, TAPERING TO MEET FINISH GRADE AT APPROXIMATELY 18" AWAY FROM THE SURFACE.
 - SHOULD ANY CONFLICTS AND/OR DISCREPANCIES ARISE BETWEEN THE GRADING PLANS, GEOTECHNICAL REPORT, THESE NOTES AND PLANS, AND ACTUAL CONDITIONS, THE CONTRACTOR SHALL IMMEDIATELY BRING SUCH ITEMS TO THE ATTENTION OF THE LANDSCAPE ARCHITECT, GENERAL CONTRACTOR, AND OWNER.
- ALL PLANT LOCATIONS ARE DIAGRAMMATIC. ACTUAL LOCATIONS SHALL BE VERIFIED WITH THE LANDSCAPE ARCHITECT OR DESIGNER PRIOR TO PLANTING. THE LANDSCAPE CONTRACTOR SHALL ENSURE THAT ALL REQUIREMENTS OF THE PERMITTING AUTHORITY ARE MET (I.E., MINIMUM PLANT QUANTITIES, PLANTING METHODS, TREE PROTECTION METHODS, ETC.).
 - THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR DETERMINING PLANT QUANTITIES; PLANT QUANTITIES SHOWN ON LEGENDS AND CALLOUTS ARE FOR GENERAL INFORMATION ONLY. IN THE EVENT OF A DISCREPANCY BETWEEN THE PLAN AND THE PLANT LEGEND, THE PLANT QUANTITY AS SHOWN ON THE PLAN (FOR INDIVIDUAL SYMBOLS) OR CALLOUT (FOR GROUNDCOVER PATTERNS) SHALL TAKE PRECEDENCE.
 - NO SUBSTITUTIONS OF PLANT MATERIALS SHALL BE ALLOWED WITHOUT THE WRITTEN PERMISSION OF THE LANDSCAPE ARCHITECT.** IF SOME OF THE PLANTS ARE NOT AVAILABLE, THE LANDSCAPE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT IN WRITING (VIA PROPER CHANNELS).
 - THE CONTRACTOR SHALL, AT A MINIMUM, PROVIDE REPRESENTATIVE PHOTOS OF ALL PLANTS PROPOSED FOR THE PROJECT. THE CONTRACTOR SHALL ALLOW THE LANDSCAPE ARCHITECT AND THE OWNER/OWNER'S REPRESENTATIVE TO INSPECT, AND APPROVE OR REJECT, ALL PLANTS DELIVERED TO THE JOBSITE. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS FOR SUBMITTALS.
- THE CONTRACTOR SHALL MAINTAIN THE LANDSCAPE IN A HEALTHY CONDITION FOR 90 DAYS AFTER ACCEPTANCE BY THE OWNER. REFER TO SPECIFICATIONS FOR CONDITIONS OF ACCEPTANCE FOR THE START OF THE MAINTENANCE PERIOD, AND FOR FINAL ACCEPTANCE AT THE END OF THE MAINTENANCE PERIOD.
- PROVIDE HYDROMULCH FOR ALL DISTURBED LANDSCAPE AREAS OUTSIDE PROPERTY LIMITS.
- SEE SPECIFICATIONS AND DETAILS FOR FURTHER REQUIREMENTS.



PLANTING AND IRRIGATION GUARANTEE

THE LANDSCAPE CONTRACTOR SHALL GUARANTEE THAT ALL NEWLY INSTALLED AND EXISTING PLANTS SHALL SURVIVE FOR ONE YEAR AFTER FINAL OWNER ACCEPTANCE OF THE INSTALLATION WORK. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR APPROPRIATE WATERING OF THE LANDSCAPE THROUGH INSTALLATION OF A PROPERLY DESIGNED IRRIGATION SYSTEM. THE OWNER SHALL APPROVE THE SYSTEM DESIGN BEFORE INSTALLATION OF PLANTS OR IRRIGATION.

MULCHES

AFTER ALL PLANTING IS COMPLETE, CONTRACTOR SHALL INSTALL 3" THICK LAYER OF 1-1/2" SHREDDED WOOD MULCH, NATURAL (UNDYED), IN ALL PLANTING AREAS (EXCEPT FOR TURF AND SEEDING AREAS). CONTRACTOR SHALL SUBMIT SAMPLES OF ALL MULCHES TO LANDSCAPE ARCHITECT AND OWNER FOR APPROVAL PRIOR TO CONSTRUCTION. ABSOLUTELY NO EXPOSED GROUND SHALL BE LEFT SHOWING ANYWHERE ON THE PROJECT AFTER MULCH HAS BEEN INSTALLED (SUBJECT TO THE CONDITIONS AND REQUIREMENTS OF THE "GENERAL GRADING AND PLANTING NOTES" AND SPECIFICATIONS).

ROOT BARRIERS

THE CONTRACTOR SHALL INSTALL ROOT BARRIERS NEAR ALL NEWLY-PLANTED TREES THAT ARE LOCATED WITHIN FIVE (5) FEET OF PAVING OR CURBS. ROOT BARRIERS SHALL BE "CENTURY" OR "DEEP-ROOT" 24" DEEP PANELS (OR EQUAL). BARRIERS SHALL BE LOCATED IMMEDIATELY ADJACENT TO HARDSCAPE. INSTALL PANELS PER MANUFACTURER'S RECOMMENDATIONS. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR USE ROOT BARRIERS OF A TYPE THAT COMPLETELY ENIRCLE THE ROOTBALL.



9-18-23

Project Name
Arms of America
Rockwall, TX

LANDSCAPE PLANTING

Date Comment

Project Number

Date XX/XX/2018

Drawn By LML

Checked By LML/RM

LP-1



EXTERIOR LIGHTING DESIGN

Rockwall - 1601 E I30
1601 E I30,
Rockwall, TX 75087

DRAWING INDEX:

- COVER SHEET
- LU-1 GENERAL NOTES
- LU-2 LUMINAIRE SCHEDULE
- LU-3 OVERALL SITE PLAN
- LU-4 FULL SITE PHOTOMETRICS PLAN AT GRADE
- LU-5 DIMENSIONING PLAN
- LU-6 ELEVATIONS



VICINITY MAP

SCOPE OF WORK

FIXTURE COUNT	NEW POLE COUNT	NOTES
6	6	ADD NEW POLE AND FIXTURE
10		ADD NEW FIXTURE



GMR Protection Resources
 TX Registered Engineering Firm F-13803

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CONTRACTOR RESPONSIBILITIES:

1. CONTRACTOR SHALL BE RESPONSIBLE FOR PERMITTING, INCLUDING COORDINATION WITH THE LOCAL JURISDICTION AND ANY ASSOCIATED PERMIT FEES OR PROCESSING.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMITTING DOCUMENTS THAT ARE NOT INCLUDED IN THE LIGHTING DESIGN PACKAGE.
3. CONTRACTOR IS REQUIRED TO RECYCLE ALL LAMPS AND BALLASTS WHEN SUCH REPLACEMENT IS REQUIRED.
4. CONTRACTOR SHALL VERIFY VOLTAGE REQUIREMENTS FOR FIXTURES PRIOR TO PLACEMENT OF FIXTURE ORDERS.
5. CONTRACTOR TO VERIFY LIGHTING CONTROLS PRIOR TO BEGINNING CONSTRUCTION. SEE LIGHTING CONTROL NOTES.
6. CONTRACTOR SHALL RECEIVE FORMAL APPROVAL FROM GMR ON ANY FIXTURE MODIFICATIONS OR VARIATIONS FROM THE LUMINAIRE SCHEDULE.
7. CONTRACTOR SHALL VERIFY EXISTING AND PROPOSED FIXTURE MOUNTING CONDITIONS IN FIELD. ANY SPECIAL MOUNTING HARDWARE NEEDED FOR PROPOSED FIXTURES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
8. CONTRACTOR SHALL SUPPLY ALL NEW LIGHT POLES. NEW LIGHT POLES SHALL MATCH EXISTING CONDITIONS ON SITE FOR POLE TYPE AND PAINT COLOR.
9. CONTRACTOR SHALL PERFORM ALL NECESSARY PATCHING OR REPAINTING FOR ADDED, REMOVED, OR REPLACED FIXTURES.
10. CONTRACTOR SHALL REPAIR ANY DISTURBED AREAS BACK TO EXISTING CONDITION INCLUDING PAVED AREAS, LANDSCAPED AREAS, ETC.
11. EXPOSED CONDUIT (ONLY WHERE IT CANNOT BE CONCEALED) SHALL BE PAINTED TO MATCH THE BACKGROUND SURFACE COLOR.
12. CONTRACTOR SHALL VERIFY AND DOCUMENT COMPLETED WORK DURING NIGHT HOURS. ALL FIXTURES (INCLUDING OUT OF SCOPE FIXTURES) MUST BE FUNCTIONAL DURING NIGHT HOURS PRIOR TO SCHEDULING A FINAL SURVEY WITH GMR.
13. CONTRACTOR SHALL RECEIVE A PUNCHLIST FROM GMR UPON FINAL SURVEY FOR ANY REMAINING ITEMS TO BE COMPLETED.
14. NEW LIGHT FIXTURES IN NEW LOCATIONS ARE TO BE MOUNTED IN THE INSTALL RANGE SET BY GMR ON THE DESIGN DOCUMENTS.
ALL FIXTURES MOUNTED TO COLUMNS OR WALLS LESS THAN 5 FEET WIDE ARE TO BE CENTERED. ALL FIXTURE COLORS AND STYLE AND LUMEN OUTPUT ARE TO BE AS REQUIRED BY GMR WITH NO SUBSTITUTIONS WITHOUT GMR APPROVAL.
CONDUIT AND BOXES ARE TO BE FULLY CONCEALED IN ALL WALLS, SOFFITS AND COLUMNS THAT ARE NOT A PART OF THE BUILDING STRUCTURE OR OF MASONRY THICKER THAN 6 INCHES.
ALL EXPOSED CONDUIT AND BOXES LOCATED IN AREAS WHERE VISIBLE TO THE PUBLIC SHALL BE PAINTED TO MATCH THE COLOR OF ITS SURROUNDING SURFACES.
15. ALL FIXTURE REPLACEMENT FOR EXISTING FIXTURE LOCATIONS SHALL FULLY COVER ALL OF THE MOUNTING SURFACE EXPOSED BY THE REMOVAL OF THE EXISTING FIXTURE, SHOULD THE NEW FIXTURE NOT ENTIRELY COVER THE EXPOSED SURFACE THEN A BEAUTY PLATE IS TO BE INSTALLED BEHIND THE NEW FIXTURE.
16. ALL REMOVED FIXTURES SHALL HAVE LAMPS AND BALLASTS RECYCLED.
17. ALL DEBRIS CAUSED BY THE REQUIRED SCOPE OF WORK SHALL BE REMOVED FROM THE SITE DAILY AT THE END OF THE WORKDAY.
18. NO MATERIALS OR EQUIPMENT ARE TO BE STORED ON SITE OVERNIGHT OR WEEKENDS.
19. WORK DURING BUSINESS HOURS AND AFTER-HOURS MUST BE APPROVED BY THE PPM.
20. ACCESS INTO THE BUILDING AND TO ELECTRICAL EQUIPMENT WILL BE AT THE DIRECTION OF THE STORE MANAGER.

GENERAL NOTES:

1. EXISTING CONDITIONS SHOWN ON THE DRAWINGS ARE BASED ON A LIMITED AMOUNT OF INFORMATION AVAILABLE TO THE ENGINEER. ALL SUCH CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO SUBMITTING THE BID AND ADJUSTED IF NECESSARY. NO ADDITIONAL COMPENSATION SHALL BE GRANTED AFTER AWARDED A BID FOR ANY EQUIPMENT, MATERIAL OR LABOR REQUIRED TO REWORK OR OTHERWISE MODIFY EXISTING CONDITIONS.
2. THIS LIGHTING DESIGN IS BASED ON A COMBINATION OF STATE STANDARDS AND THE CUSTOMER'S CURRENT SECURITY POLICY.
3. TRIM ALL TREES/LANDSCAPING TO MINIMIZE IMPEDING LIGHT FROM ANY LIGHT FIXTURES. CONSIDERATION MUST BE GIVEN TO TREES/LANDSCAPING IN A STATE OF FULL FOLIAGE/BLOOM AND FUTURE GROWTH. ALL LANDSCAPING WORK WILL BE PERFORMED BY OTHERS WITH A SEPARATE PERMIT (IF REQUIRED).
4. ALL MOUNTING HEIGHTS ARE INTENDED TO THE BOTTOM OF THE FIXTURE.
5. CONTRACTOR TO FIELD VERIFY FIXTURE PLACEMENT DIMENSIONS PRIOR TO CONSTRUCTION.
6. DIMENSIONING PROVIDED IS FOR PROPOSED FIXTURE LOCATIONS ONLY, UNLESS OTHERWISE NOTED ON THE DRAWING.
7. THE CONTRACTOR SHALL ATTEMPT TO ELIMINATE THE USE OF EXPOSED CONDUIT WHERE POSSIBLE. IF EXPOSED CONDUIT IS NECESSARY, THE CONTRACTOR SHALL VERIFY USE WITH PROJECT MANAGER.
8. THE CONTRACTOR SHALL VERIFY THAT LIGHT POLES FOR PROPOSED OR MODIFIED FIXTURES ARE ADEQUATE FOR THE INTENDED MOUNTING HEIGHT. IF AN EXISTING LIGHT POLE IS BEING USED, THE CONTRACTOR SHALL VERIFY THAT IT IS IN SATISFACTORY CONDITION. A TYPICAL POLE BASE DETAIL (AS PER EACH STATE) WILL BE PROVIDED BY GMR FOR EACH SITE. IF A SITE SPECIFIC POLE BASE DETAIL IS REQUIRED, THIS WILL BE COORDINATED BY THE CONTRACTOR AND WILL FOLLOW ANY APPLICABLE STATE OR LOCAL JURISDICTION STANDARDS.

FIXTURE CLARIFICATION NOTES:

1. GMR MAY COMBINE OR ADD TO NOTES AS NEEDED IN ORDER TO CLARIFY FURTHER.
2. OUT OF SCOPE - EXISTING FIXTURES TO REMAIN ON SITE WITHOUT MODIFICATION. NO ACTION REQUIRED UNLESS NOTED OTHERWISE.
3. REMOVE AND PATCH - EXISTING FIXTURES TO BE FULLY REMOVED AND ANY PAINTING, PATCHING OR ELECTRICAL WORK NEEDED IS TO BE ASSESSED AND PERFORMED BY GC.
4. REPLACE EXISTING FIXTURE - EXISTING FIXTURE TO BE FULLY REMOVED AND REPLACED IN THE SAME LOCATION WITH A NEW FIXTURE. GC TO VERIFY IF POLE AND/OR POLE BASE IS SUFFICIENT FOR THE NEW FIXTURES. ANY PAINTING, PATCHING OR ELECTRICAL WORK NEEDED IS TO BE ASSESSED AND PERFORMED BY GC.
5. ADD NEW FIXTURE - NEW FIXTURES TO BE ADDED. ANY PAINTING, PATCHING OR ELECTRICAL WORK NEEDED TO BE ASSESSED AND PERFORMED BY GC.
6. ADD NEW POLE & FIXTURE - A NEW POLE AND FIXTURE TO BE ADDED. GC TO SPECIFY POLE TO MATCH EXISTING STYLE AND COLOR AND, IF NOT PROVIDED, POLE BASE DATA FOR NEW POLE LOCATIONS. GC TO VERIFY IF POLE AND POLE BASE IS SUFFICIENT FOR THE HEIGHT, LOCATION AND FIXTURE SPECIFIED.
7. GMR DOES NOT SPECIFY MOUNTING HARDWARE FOR ANY SPECIFIED FIXTURES. GC IS TO WORK WITH DISTRIBUTOR AND/OR MANUFACTURER ON A CASE BY CASE BASIS TO IDENTIFY AND ORDER REQUIRED MOUNTING HARDWARE.
8. GC TO VERIFY WHETHER EXISTING WIRING LOCATIONS OR THE ADDITION OF WIRING FOR NEW FIXTURE LOCATIONS IS SUFFICIENT FOR THE DESIGNATED FIXTURE LOCATION.
9. GC TO SPECIFY POLE COLOR AND TYPE PRIOR TO ORDERING.
10. ALL FIXTURES ARE ASSUMED BRONZE IN COLOR UNLESS NOTED OTHERWISE IN THE LUMINAIRE SCHEDULE. GC TO CONFIRM PRIOR TO ORDERING.



GMR Protection Resources
TX Registered Engineering Firm F-13803

V1 231016

REVISION NO.	DESCRIPTION	REVISED BY



Rockwall - 1601 E I30
1601 E I30,
Rockwall, TX 75087

GENERAL NOTES

DESIGNED BY:	CAS	DRAWN BY:	CAS
REVIEWED BY:	AWD	APPROVED BY:	KRM

SHEET NO. **LU-1**

THIS LIGHTING PLAN ILLUSTRATES ILLUMINATE LEVELS CALCULATED FROM LABORATORY DATA UNDER CONTROLLED CONDITIONS IN ACCORDANCE WITH ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICAN (IESNA) APPROVED METHODS. ACTUAL SITE ILLUMINATION LEVELS AND PERFORMANCE OF LUMINAIRES MAY VARY DUE TO VARIATIONS IN WEATHER, ELECTRICAL VOLTAGE, TOLERANCE IN LAMPS AND OTHER RELATED VARIABLE FIELD CONDITIONS.

SITE ABBREVIATIONS:

- PL = PROPERTY LINE
- AFG = ABOVE FINISHED GRADE
- FC = FOOTCANDLE
- CBO = CONTROLLED BY OTHERS

SEE FIXTURE CLARIFICATION NOTE #9

LUMINAIRE SCHEDULE

CONTRACTOR TO VERIFY MOUNTING ACCESSORIES BEFORE ORDERING

SYMBOL	TOTAL FIXTURE COUNT	TYPE	NEW POLE COUNT	MANUFACTURER	MODEL	MODEL NUMBER	NOTES	MOUNTING HEIGHT	MOUNTING ACCESSORY	BUG RATING	MOUNTING	KILOWATT PER HOUR	TOTAL WATTAGE
■	4	OT1	-	CREE	OSQ	OSQM-C-16L-40K7-3M-UL-NM-SV	ADD NEW FIXTURE	16' AFG	OSQ-ML-C-DA-SV, WM-DM-SV	B3-U0-G3	WALL MOUNT	0.097	388 W
■	6	OV1	6	CREE	OSQ	OSQL-C-30L-40K7-3M-UL-NM-BZ	ADD NEW POLE AND FIXTURE	40' AFG	OSQ-ML-C-DA-BZ	B3-U0-G3	POLE MOUNT	0.175	1050 W
■	3	UU1	-	LITHONIA	OLLWD	OLLWD LED-P1-40K-MVOLT-DDB	ADD NEW FIXTURE	7' AFG	-	B1-U0-G1	WALL MOUNT	0.0091	27 W
■	3	UU2	-	LITHONIA	OLLWD	OLLWD LED-P1-40K-MVOLT-DDB	ADD NEW FIXTURE	8' AFG	-	B1-U0-G1	WALL MOUNT	0.0091	27 W
GRAND TOTAL WATTAGE												1493 W	



GMR Protection Resources
TX Registered Engineering Firm F-13803

V1 231016

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Rockwall, TX 75087

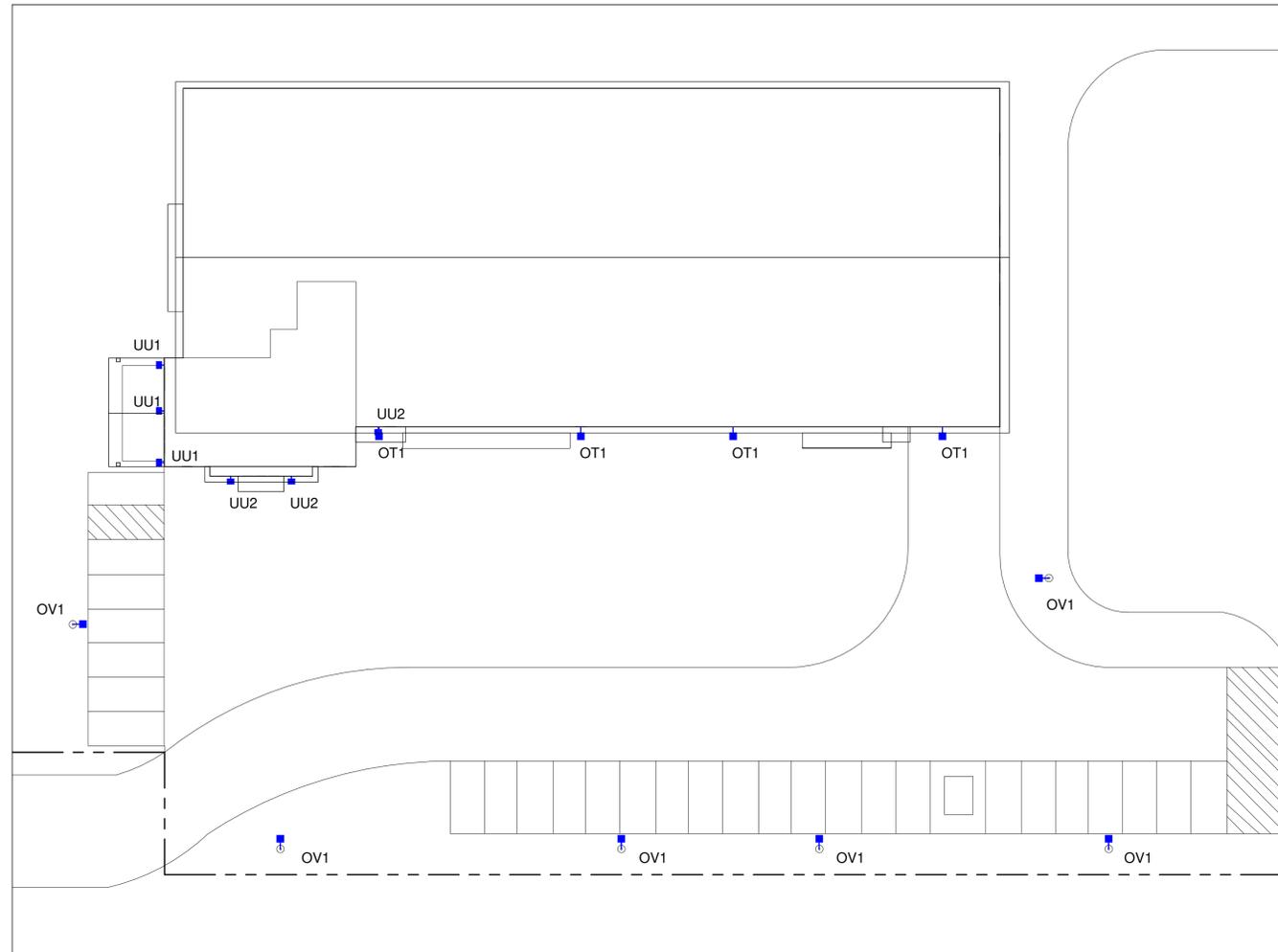
LUMINAIRE SCHEDULE

DESIGNED BY:	CAS	DRAWN BY:	CAS
REVIEWED BY:	AWD	APPROVED BY:	KRM

SHEET NO. **LU-2**

TOTAL FIXTURE COUNT	TYPE	NOTES	MOUNTING HEIGHT
4	OT1	ADD NEW FIXTURE	16' AFG
6	OV1	ADD NEW POLE AND FIXTURE	40' AFG
3	UU1	ADD NEW FIXTURE	7' AFG
3	UU2	ADD NEW FIXTURE	8' AFG

I-30 Frontage Rd



Enterprise Dr



- BLUE = NEW FIXTURE
- GREEN = EXISTING FIXTURE LOCATION TO BE REPLACED
- ORANGE = EXISTING FIXTURE TO REMAIN
- TURQUOISE = FIXTURE TO BE REMOVED
- PINK = REPLACE WITH NEW POLE AT NEW HEIGHT
- = PROPERTY LINE BASED ON COUNTY APPRAISAL INFORMATION
- = INDICATES NEW SECURITY FENCE
- - - = BURIED ELECTRICAL CIRCUIT



GMR Protection Resources
TX Registered Engineering Firm F-13803

SCALE: 3/64" = 1'-0"
V1 231016

REVISION NO.	DESCRIPTION	REVISED BY



Rockwall - 1601 E I30
1601 E I30,
Rockwall, TX 75087

OVERALL SITE PLAN

DESIGNED BY:	CAS	DRAWN BY:	CAS
REVIEWED BY:	AWD	APPROVED BY:	KRM
SHEET NO.	LU-3		

THIS LIGHTING PLAN ILLUSTRATES ILLUMINATE LEVELS CALCULATED FROM LABORATORY DATA UNDER CONTROLLED CONDITIONS IN ACCORDANCE WITH ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICAN (IESNA) APPROVED METHODS. ACTUAL SITE ILLUMINATION LEVELS AND PERFORMANCE OF LUMINAIRES MAY VARY DUE TO VARIATIONS IN WEATHER, ELECTRICAL VOLTAGE, TOLERANCE IN LAMPS AND OTHER RELATED VARIABLE FIELD CONDITIONS.

SITE NOTES:	EXISTING SITE CONDITIONS:
	1. EXISTING POLES - N/A 2. EXISTING POLE BASES - N/A 3. EXISTING DRIVE THRU CEILING - N/A



- BLUE = NEW FIXTURE
- GREEN = EXISTING FIXTURE LOCATION TO BE REPLACED
- ORANGE = EXISTING FIXTURE TO REMAIN
- TURQUOISE = FIXTURE TO BE REMOVED
- PINK = REPLACE WITH NEW POLE AT NEW HEIGHT
- = PROPERTY LINE BASED ON COUNTY APPRAISAL INFORMATION
- = INDICATES NEW SECURITY FENCE
- = BURIED ELECTRICAL CIRCUIT



GMR Protection Resources
TX Registered Engineering Firm F-13803

SCALE: 3/64" = 1'-0"
V1 231016

REVISION NO.	DESCRIPTION	REVISED BY

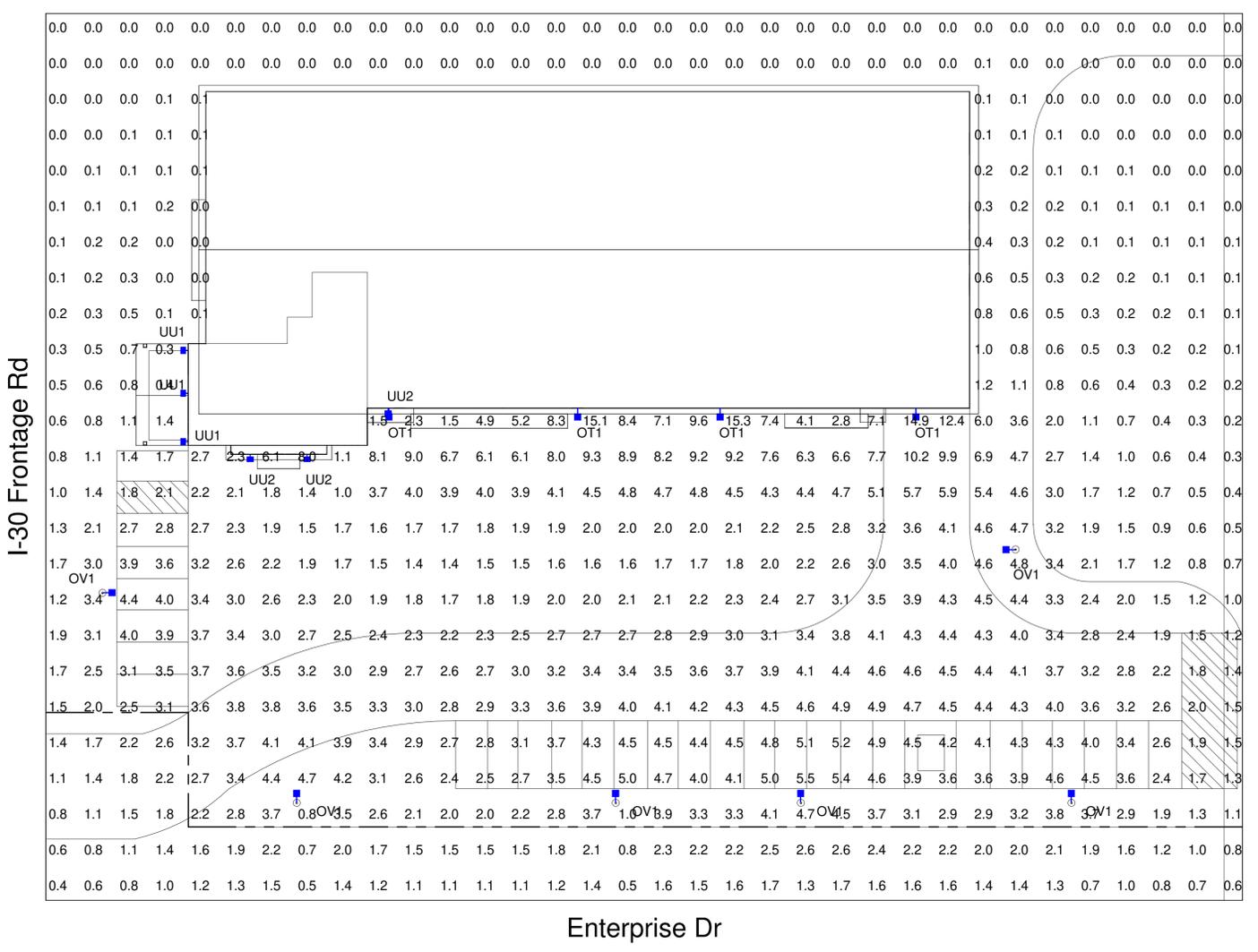


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1601 E I30,
Rockwall, TX 75087

FULL SITE PHOTOMETRICS PLAN

DESIGNED BY:	CAS	DRAWN BY:	CAS
REVIEWED BY:	AWD	APPROVED BY:	KRM
SHEET NO.			

LU-4



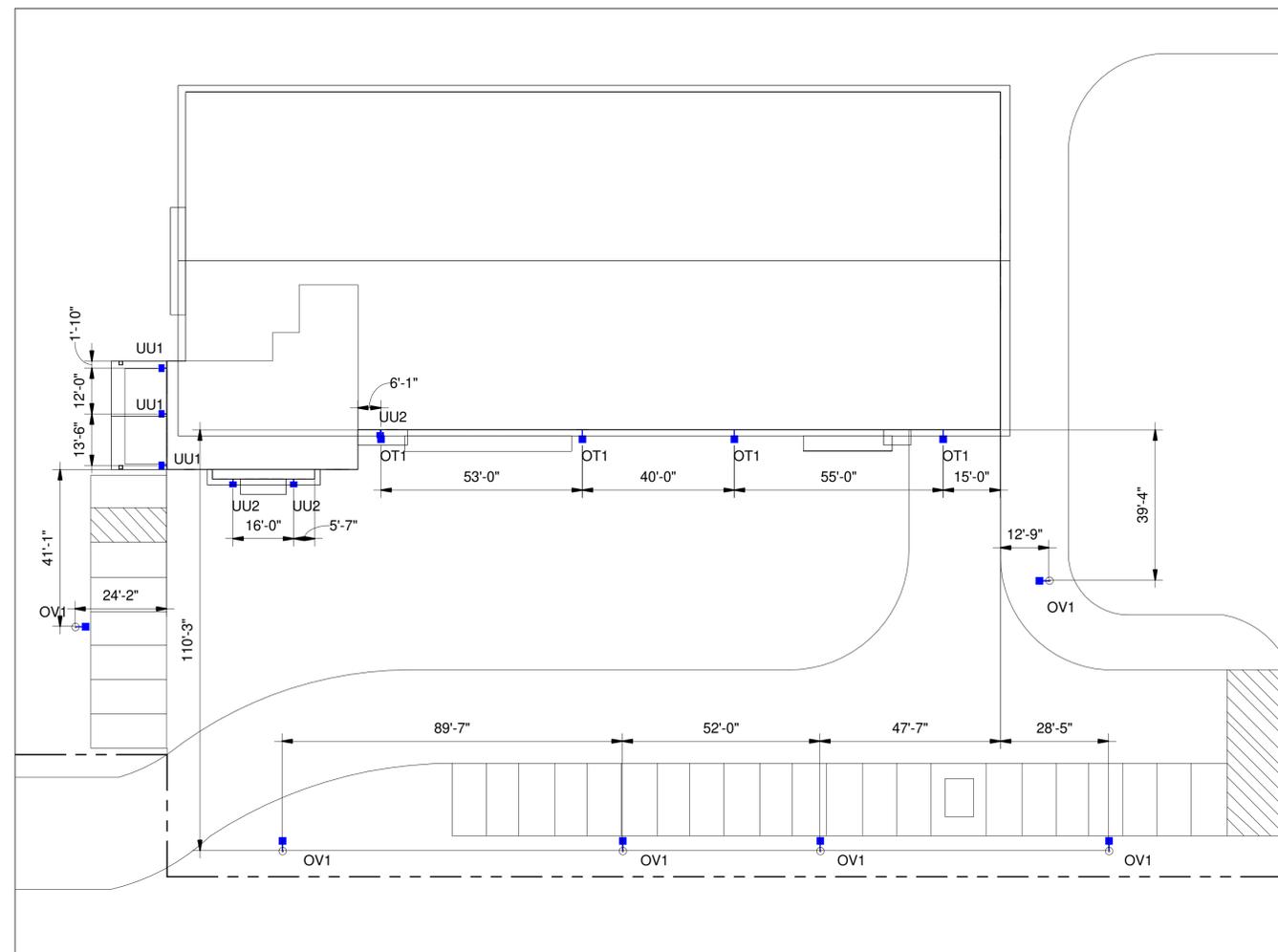
- NOTES:**
1. THE SCOPE OF WORK FOR THIS PROJECT IS LIMITED TO EXTERIOR LIGHTING RENOVATIONS AS SHOWN ON THE PLANS.
 2. ALL PROPOSED LIGHTS WILL BE FULL CUTOFF LED LIGHT FIXTURES.
 3. ALL EXISTING LIGHTS WILL BE REPLACED WITH FULL CUT OFF LED LIGHT FIXTURES.
 4. REFERENCE THE LUMINAIRE SCHEDULE (SHEET LU-2) FOR ADDITIONAL LIGHT FIXTURE INFORMATION.

CALCULATION SUMMARY FULL SITE					
Calculation Points Name	Average	Maximum	Minimum	Ave/Min	Max/Min
FULL SITE @ GRADE	2.2 fc	15.3 fc	0.0 fc	0.0 fc	0.0 fc
PARKING LOT @ 60" V	2.3 fc	13.1 fc	0.7 fc	3.1 fc	18.1 fc
PARKING LOT @ GRADE	4.0 fc	16.5 fc	0.7 fc	5.3 fc	22.1 fc

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I-30 Frontage Rd



Enterprise Dr

- BLUE = NEW FIXTURE
- GREEN = EXISTING FIXTURE LOCATION TO BE REPLACED
- ORANGE = EXISTING FIXTURE TO REMAIN
- TURQUOISE = FIXTURE TO BE REMOVED
- PINK = REPLACE WITH NEW POLE AT NEW HEIGHT
- = PROPERTY LINE BASED ON COUNTY APPRAISAL INFORMATION
- = INDICATES NEW SECURITY FENCE
- = BURIED ELECTRICAL CIRCUIT



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TX Registered Engineering Firm F-13803

SCALE: 3/64" = 1'-0"
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REVISION NO.	DESCRIPTION	REVISED BY



Rockwall - 1601 E I30
1601 E I30,
Rockwall, TX 75087

DIMENSIONING PLAN

DESIGNED BY:	CAS	DRAWN BY:	CAS
REVIEWED BY:	AWD	APPROVED BY:	KRM

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SHEET NO. LU-5

OSQ Series

OSQ™ LED Area/Flood Luminaire featuring Patented NanoComfort™ Technology – Version C

Rev. Date: V3 04/17/2023

GC TO SEE NOTES BELOW

Product Description

The OSQ™ Area/Flood luminaire blends extreme optical control, advanced thermal management and modern, clean aesthetics. Built to last, the housing is rugged cast aluminum with an integral, weathertight LED driver compartment. Versatile mounting configurations offer simple installation. Its slim, low-profile design minimizes wind load requirements and blends seamlessly into the site providing even, quality illumination. Medium is suitable upgrade for HID applications up to 400 Watts. Large is suitable upgrade for HID applications up to 1000 Watts. Extra Large is suitable upgrade for HID applications up to multiple 1000 Watts.

Applications: Parking lots, walkways, campuses, car dealerships, office complexes, high-mast and internal roadways

Performance Summary

Utilizes Patented NanoComfort™ Technology

Utilizes Cree TrueWhite® Technology on 5000K Luminaires

Assembled in the USA by Cree Lighting from US and imported parts

Initial Delivered Lumens: 4,000 - 75,000

Efficacy: Up to 171 LPW

CRI: Minimum 70 CRI (3000K, 4000K & 5700K); 90 CRI (5000K)

CCT: 3000K, 4000K, 5000K, 5700K

Limited Warranty*: 10 years for luminaire; 10 years for Colorfast DeltaGuard® finish; 5 years for BML sensor; up to 5 years for Synapse® accessories; 1 year for luminaire accessories

*See <http://creelighting.com/warranty> for warranty terms. For Synapse accessories, consult Synapse spec sheets for details on warranty terms.

Ordering Information

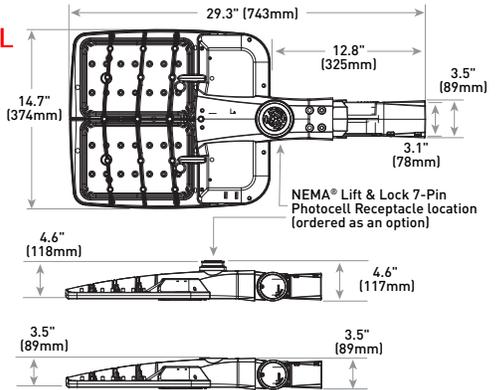
Fully assembled luminaire is composed of two components that must be ordered separately:

Example: **Mount:** OSQ-ML-C-AA-BK + **Luminaire:** OSQM-C-4L-30K7-2M-UL-NM-BK

Mount (Luminaire must be ordered separately)*			
OSQ-			
Medium/Large Mounts	Extra Large Mounts	Color Options:	SV Silver BZ Bronze BK Black WH White
OSQ-ML-C-AA Adjustable Arm	OSQ-X-C-AA Adjustable Arm		
OSQ-ML-C-DA Direct Arm	OSQ-X-C-DA Direct Arm		
OSQ-ML-C-TM Trunnion Mount			

* Reference fixture mounting drill pattern, EPA, and pole configuration suitability data beginning on page 14.

OSQM - AA Mount



Luminaire	Weight
OSQM	19.3 lbs. (8.8kg)

Note: For OSQL, OSQX and additional mounts, refer to drawings beginning on page 26.

GC TO REFERENCE PLANS FOR COLOR DESIGNATION

Luminaire (Mount must be ordered separately)														
OSQ	C													
Family	Size	Series	Lumen Package ¹	CCT/ CRI	Optic	Voltage	Mount	Color Options	Controls*	Options				
OSQ	M Medium L Large X Extra Large	C	Medium 4L 4,000 Lumens 6L 6,000 Lumens 9L 9,000 Lumens 11L 11,000 Lumens 16L 16,000 Lumens	30K7 3000K, 70 CRI 40K7 4000K, 70 CRI 50K9 5000K, 90 CRI 57K7 5700K, 70 CRI	Asymmetric 2M Type II Mid 2B Type II Mid w/ Factory-Installed Backlight Shield 3M Type III Mid 3B Type III Mid w/ Factory-Installed Backlight Shield 4M Type IV Mid	4B Type IV Mid w/ Factory- Installed Backlight Shield AF Automotive FrontlineOptic™ AB Automotive- FrontlineOptic™ w/Factory- Installed Backlight Shield	UL Universal 120-277V UH Universal 347-480V - Not available with 4L, 40L or 75L lumen packages UE Universal 277-480V - Available only with 40L and 75L lumen packages	NM No Mount - Must specify mount from table above - Mount ships separately	BK Black BZ Bronze SV Silver WH White	BML Bluetooth® Technology Enabled Multi-Level Sensor - Utilizes a multifunction sensor - Refer to BML spec sheet for details - 20-40° sensor lens installed on luminaire; 8-20° sensor lens and aisle shroud included - Intended for downlight applications at 0° tilt - Not available with Q or X options or Synapse TL7-B2 or TL7-HVG accessories Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1 Field Adjustable Output - Must select Q9, Q8, Q7, Q6, Q5, Q4, Q3, Q2, or Q1 - Offers full range adjustability - Refer to pages 15-25 for power and lumen values - Not available with BML or X options or Synapse TL7-B2 or TL7-HVG accessories X8/X7/X6/X5/X4/X3/X2/X1 Locked Lumen Output - Must select X8, X7, X6, X5, X4, X3, X2, or X1 - Not available with BML or Q options - X1 option not available with the following lumen package/voltage offerings: 9L/UL, 16L/UL, 16L/UH, 30L/UL, 30L/UH, 65L/UL, 65L/UH - X2 option not available 9L/UL lumen package/voltage - Lumen output is permanently locked to the setting selected - Refer to pages 15-25 for power and lumen values	20KV 20kV/10kA Surge Suppression - Replaces standard 10kV/5kA surge protection F Fuse - Compatible with 120V, 277V or 347V (phase to neutral) - Consult factory if fusing is required for 208V, 240V or 480V (phase to phase) - When code dictates fusing, use time delay fuse N Utility Label and NEMA® Lift & Lock 7-Pin Photocell Receptacle - External utility label per ANSI C136.15-2020 - 7-pin receptacle per ANSI C136.41 - Available only with OSQM & OSQL luminaires - Intended for downlight applications with maximum 45° tilt - Factory connected 0-10V dim leads - Requires photocell or shorting cap by others R NEMA® Lift & Lock 7-Pin Photocell Receptacle - 7-pin receptacle per ANSI C136.41 - Intended for downlight applications with maximum 45° tilt - Factory connected 0-10V dim leads - Requires photocell or shorting cap by others - Refer to page 2 for compatible Synapse control offerings RL Rotate Left - LED and optic are rotated to the left - Refer to RR/RL configuration diagram on page 26 for optic directionality - Not for use with symmetric optics RR Rotate Right - LED and optic are rotated to the right - Refer to RR/RL configuration diagram on page 26 for optic directionality - Not for use with symmetric optics			
												Large 22L 22,000 Lumens 30L 30,000 Lumens 40L 40,000 Lumens 75L 75,000 Lumens	5M Type V Mid 5N Type V Narrow	33 NEMA® 3x3 44 NEMA® 4x4 55 NEMA® 5x5 66 NEMA® 6x6 75 NEMA® 7x5

GC TO VERIFY AND SPECIFY IF NOT UL

¹ Lumen Package codes identify approximate light output only. Actual lumen output levels vary by CCT and optic selection. Refer to Initial Delivered Lumen tables for specific lumen values

* Luminaire comes standard with 0-10V dimming



US: creelighting.com (800) 236-6800
Canada: creelighting-canada.com (800) 473-1234



Product Specifications

CREE LIGHTING NANOCOMFORT™ TECHNOLOGY

Cree Lighting's NanoComfort™ Technology ends the trade-offs in outdoor lighting by providing superior glare reduction and visual comfort in high-efficiency illumination delivered precisely where it is needed. The basic building block of NanoComfort™ Technology is a compact 4x4 array of LEDs. Each of the 16 LEDs in a module is in contact with its own acrylic polymer lens to capture and precisely direct light. With NanoComfort™ Technology, the acrylic optics are cut and sculpted into facets that relieve the glare and harshness while improving visual comfort – all while retaining superb efficacy and control.

CREE TRUEWHITE® TECHNOLOGY

A revolutionary way to generate high-quality white light, Cree TrueWhite® Technology is a patented approach that delivers an exclusive combination of 90+ CRI, beautiful light characteristics and lifelong color consistency, all while maintaining high luminous efficacy – a true no-compromise solution.

CONSTRUCTION & MATERIALS

- Slim, low profile design minimizes wind load requirements
- Luminaire housing is rugged die cast aluminum with an integral, weathertight LED driver compartment and high-performance heat sink
- Acrylic optic w/clear tempered glass lens
- Convenient interlocking mounting method on direct arm. Mounting adaptor is rugged die cast aluminum and mounts to 3" (76mm) or larger square or round pole, secured by two 5/16-18 UNC bolts spaced on 2" (51mm) centers. Refer to page 14 for fixture mounting drill pattern
- Adjustable arm mount adapters are rugged die cast aluminum
- OSQ-ML-C-AA mounts to a horizontal or vertical 2" (51mm) IP, 2.375" (60mm) O.D. tenon and can be adjusted 180° in 2.5° increments
- OSQ-X-C-AA mounts to a horizontal or vertical 2" (51mm) IP, 2.375-2.50" (60-64mm) O.D. steel tenon and can be adjusted 180° in 5.0° increments. **NOTE: Tenon length must be a minimum of 3.75" (95mm), and tenon must be steel**
- Trunnion mount is constructed of A500 and A1011 steel and is adjustable from 0-180° in 15° degree increments. Trunnion mount secures to surface with (1) 3/4" bolt or (2) 1/2" or 3/8" bolts
- Luminaires include 15" (381mm) 18/5 cord exiting the luminaire
- Designed for uplight and downlight applications. Uplight orientation not suitable for use with N or R options
- Exclusive Colorfast DeltaGuard® finish features an E-Coat epoxy primer with an ultra-durable powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation and abrasion. Silver, bronze, black, and white are available

Weight			
Mount	Housing Size		
	Medium	Large	Extra Large
Direct Arm	19.7 lbs. (8.9kg)	28.8 lbs. (13.1kg)	45.8 lbs. (20.8kg)
Adjustable Arm	19.3 lbs. (8.8kg)	28.4 lbs. (12.9kg)	48.6 lbs. (22.0kg)
Trunnion	23.2 lbs. (10.5kg)	32.3 lbs. (14.7kg)	N/A

For BML sensor add 0.1 lbs. (45g), and for NEMA receptacle, add 0.3 lbs. (136g).

ELECTRICAL SYSTEM

- **Input Voltage:** 120-277V, 277-480V or 347-480V, 50/60Hz, Class 1 drivers
- **Power Factor:** > 0.9 at full load
- **Total Harmonic Distortion:** < 20% at full load
- Integral 10kV/5kA surge suppression protection standard; 20kV/10kA surge suppression protection optional
- When code dictates fusing, a slow blow fuse or type C/D breaker should be used to address inrush current
- Designed with 0-10V dimming capabilities. Controls by others
- Refer to [Dimming spec sheet](#) for details
- **Maximum 10V Source Current:** 1.8mA
- **Operating Temperature Range:** -40°C - +40°C (-40°F - +104°F)

REGULATORY & VOLUNTARY QUALIFICATIONS

- cULus Listed (UL1598)
- Suitable for wet locations
- Meets NEMA C82.77 standards
- Drivers and LEDs are UL certified in accordance with UL8750
- Meets requirements of IP66 per IEC 60529 when ordered without N or R options
- Certified to ANSI C136.31-2018, 3G bridge and overpass vibration standards
- ANSI C136.2 10kV/5kA (standard) and 20kV/10kA (optional) surge suppression protection tested in accordance with IEEE/ANSI C62.41.2
- Meets FCC Part 15, Subpart B, Class A limits for conducted and radiated emissions
- Luminaire and finish endurance tested to withstand 5,000 hours of elevated ambient salt fog conditions as defined in ASTM Standard B 117
- Lens meets IK07 requirements per IEC 60068-2
- Assembled in the USA by Cree Lighting from US and imported parts
- Meets Buy American requirements within ARRA
- RoHS compliant. Consult factory for additional details
- Dark Sky Friendly, IDA Approved when ordered with 30K CCT and direct arm mount only. Please refer to <https://www.darksky.org/our-work/lighting/lighting-for-industry/fsa/fsa-products/> for most current information (Pending)
- **CA RESIDENTS WARNING:** Cancer and Reproductive Harm – www.p65warnings.ca.gov

Product Specifications

SYNAPSE® SIMPLYSNAP INTELLIGENT CONTROL

The Synapse SimplySNAP platform is a highly intuitive connected lighting solution featuring zone dimming, motion sensing, and daylight harvesting with utility-grade power monitoring and support of up to 1000 nodes per gateway. The system features a reliable and robust self-healing mesh network with a browser-based interface that runs on smartphones, tablets, and PCs. The Twist-Lock Lighting Controller (TL7-B2 or TL7-HVG) and Site Controller (SS450-002) take the OSQ Series to a new performance plateau, providing extreme energy productivity, code compliance and a better light experience.

Synapse Wireless Control Accessories	
Twist-Lock Lighting Controller TL7-B2 - Suitable for 120-277V (UL) voltage only - Requires NEMA/ANSI C136.41 7-Pin Dimming Receptacle - Not for use with BML or Q options - Provides On/Off switching, dimming, power metering, digital sensor input, and status monitoring of luminaire - Refer to TL7-B2 spec sheet for details	Synapse Wireless Sensor WSN-DPM - Motion and light sensor - Control multiple zones - Refer to WSN-DPM spec sheet for details
Twist-Lock Lighting Controller TL7-HVG - Suitable for 120-480V (UL, UE and UH) voltages - Requires NEMA/ANSI C136.41 7-Pin Dimming Receptacle - Not for use with BML or Q options - Provides On/Off switching, dimming, power metering, digital sensor input, and status monitoring of luminaire - Refer to TL7-HVG spec sheet for details	SimplySNAP On-Site Controller SS450-002 - Verizon® LTE-enabled - Designed for indoor applications - Refer to SS450-002 spec sheet for details
SimplySNAP Central Base Station CBSSW-450-002 - Includes On-Site Controller (SS450-002) and 5-button switch - Indoor and Outdoor rated - Refer to CBSSW-450-002 spec sheet for details	Building Management System (BMS) Gateway BMS-GW-002 - Required for BACnet integration - Refer to BMS-GW-002 spec sheet for details
	Outdoor Antennas [Optional, for increased range, 8dB gain] KIT-ANT420SM - Kit includes antenna, 20' cable and bracket KIT-ANT360 - Kit includes antenna, 30' cable and bracket KIT-ANT600 - Kit includes antenna, 50' cable and bracket - Refer to Outdoor antenna spec sheet for details

Electrical Data*

Lumen Package	System Watts 120-480V	Utility Label Wattage	Total Current (A)					
			120V	208V	240V	277V	347V	480V
4L**	26	30	0.21	0.12	0.11	0.09	N/A	N/A
6L	37	40	0.31	0.18	0.15	0.13	0.11	0.08
9L	55	60	0.46	0.27	0.23	0.20	0.16	0.12
11L	68	70	0.57	0.33	0.28	0.25	0.20	0.14
16L	97	100	0.81	0.47	0.40	0.35	0.28	0.20
22L	131	130	1.09	0.63	0.55	0.47	0.38	0.27
30L	175	180	1.46	0.84	0.73	0.63	0.50	0.36
40L	236	240	1.96	1.13	0.98	0.85	0.68	0.49
50L	297	N/A	2.48	1.43	1.24	1.07	0.86	0.62
65L	384	N/A	3.20	1.85	1.60	1.39	1.11	0.80
75L	447	N/A	3.73	2.15	1.86	1.61	1.29	0.93

* Electrical data at 25°C (77°F). Actual wattage may differ by +/- 10% when operating between 120-277V, 277-480V or 347-480V +/- 10%.

** Available with UL voltage only.

OSQ-C Series Ambient Adjusted Lumen Maintenance¹

Ambient	Initial LMF	25K hr Reported ² LMF	50K hr Reported ² LMF	75K hr Reported ² LMF	100K hr Reported ² LMF
5°C (41°F)	1.02	0.99	0.93	0.88	0.83
10°C (50°F)	1.02	0.98	0.93	0.87	0.82
15°C (59°F)	1.01	0.98	0.92	0.87	0.82
20°C (68°F)	1.01	0.97	0.92	0.86	0.81
25°C (77°F)	1.00	0.97	0.91	0.86	0.81

¹ Lumen maintenance values at 25°C (77°F) are calculated per IES TM-21 based on IES LM-80 report data for the LED package and in-situ luminaire testing. Luminaire ambient temperature factors (LATF) have been applied to all lumen maintenance factors. Please refer to the [Temperature Zone Reference Document](#) for outdoor average nighttime ambient conditions.

² In accordance with IES TM-21, Reported values represent interpolated values based on time durations that are up to 6x the tested duration in the IES LM-80 report for the LED.

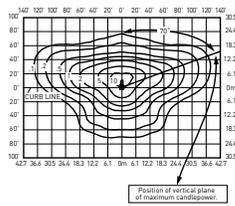
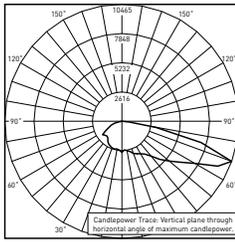
Accessories

Field-Installed	
Backlight Shield OSQ-M-C-BLSF (Medium) OSQ-L-C-BLSF (Large) OSQ-X-C-BLSF (Extra Large) - Not for use with rotated optics	Shorting Cap XA-XSLSHRT
Bird Spikes OSQ-M-C-BRDSPK OSQ-L-C-BRDSPK OSQ-X-C-BRDSPK	

Photometry

All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult: <https://creelighting.com/products/outdoor/area/osq-series>

2M



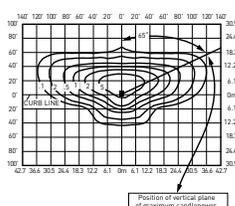
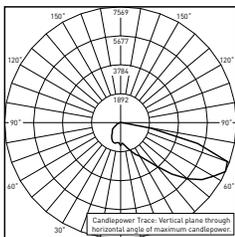
PRELIMINARY RESTL Test Report
OSQ Luminaire w/2M Optic
Initial Delivered Lumens: 15,560

OSQL-C-40L-40K7-2M-UL
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 38,000
Initial FC at grade

Type II Mid Distribution								
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	3,650	B1 U1 G1	3,800	B1 U1 G1	2,590	B1 U1 G1	3,800	B1 U1 G1
6L	5,475	B1 U1 G1	5,700	B1 U1 G1	3,880	B1 U1 G1	5,700	B1 U1 G1
9L	8,225	B2 U1 G2	8,550	B2 U1 G2	5,825	B1 U1 G1	8,550	B2 U1 G2
11L	10,025	B2 U1 G2	10,450	B2 U1 G2	7,100	B2 U1 G2	10,450	B2 U1 G2
16L	14,650	B3 U1 G3	15,200	B3 U1 G3	10,325	B2 U1 G2	15,200	B3 U1 G3
22L	20,100	B3 U1 G3	20,900	B3 U1 G3	14,200	B3 U1 G3	20,900	B3 U1 G3
30L	27,400	B3 U1 G3	28,500	B3 U1 G3	19,400	B3 U1 G3	28,500	B3 U1 G3
40L	36,500	B4 U1 G4	38,000	B4 U1 G4	25,900	B3 U1 G3	38,000	B4 U1 G4
50L	45,600	B4 U1 G5	47,500	B4 U1 G5	32,300	B3 U1 G4	47,500	B4 U1 G5
65L	59,300	B4 U1 G5	61,800	B4 U1 G5	42,000	B4 U1 G4	61,800	B4 U1 G5
75L	68,400	B5 U1 G5	71,300	B5 U1 G5	48,500	B4 U1 G5	71,300	B5 U1 G5

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

2B



PRELIMINARY RESTL Test Report
OSQ Luminaire w/2B Optic
Initial Delivered Lumens: 10,422

OSQL-C-40L-40K7-2B-UL
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 26,200
Initial FC at grade

Type II Mid w/BLS Distribution								
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	2,510	B1 U1 G1	2,620	B1 U1 G1	1,780	B0 U1 G1	2,620	B1 U1 G1
6L	3,760	B1 U1 G1	3,920	B1 U1 G1	2,670	B1 U1 G1	3,920	B1 U1 G1
9L	5,650	B1 U1 G1	5,875	B1 U1 G1	4,000	B1 U1 G1	5,875	B1 U1 G1
11L	6,900	B1 U1 G2	7,200	B1 U1 G2	4,890	B1 U1 G1	7,200	B1 U1 G2
16L	10,075	B2 U1 G2	10,450	B2 U1 G2	7,100	B1 U1 G2	10,450	B2 U1 G2
22L	13,800	B2 U1 G2	14,375	B2 U1 G2	9,775	B1 U1 G2	14,375	B2 U1 G2
30L	18,800	B2 U1 G3	19,600	B2 U1 G3	13,350	B2 U1 G2	19,600	B2 U1 G3
40L	25,100	B3 U1 G3	26,200	B3 U1 G3	17,800	B2 U1 G3	26,200	B3 U1 G3
50L	31,400	B3 U1 G4	32,700	B3 U1 G4	22,200	B3 U1 G3	32,700	B3 U1 G4
65L	40,800	B3 U1 G4	42,500	B3 U1 G4	28,900	B3 U1 G3	42,500	B3 U1 G4
75L	47,100	B3 U1 G4	49,000	B3 U1 G5	33,300	B3 U1 G4	49,000	B3 U1 G5

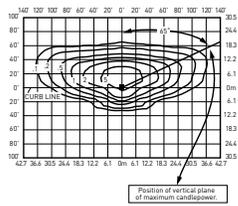
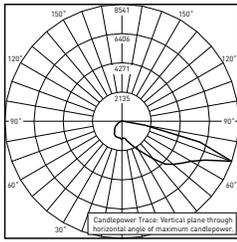
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

Photometry

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<https://creelighting.com/products/outdoor/area/osq-series>

2M W/OSQ-*-C-BLSF



PRELIMINARY RESTL Test Report
OSQ Luminaire w/2M Optic w/OSQ-M-C-BLSF
Initial Delivered Lumens: 9,579

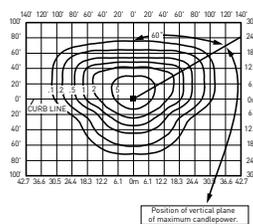
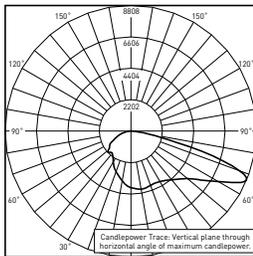
OSQL-C-40L-40K7-2M-UL w/OSQ-L-C-BLSF
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 26,200
Initial FC at grade

Type II Mid Distribution w/OSQ-*-C-BLSF

Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	2,510	B1 U1 G1	2,620	B1 U1 G1	1,780	B0 U1 G1	2,620	B1 U1 G1
6L	3,760	B1 U1 G1	3,920	B1 U1 G1	2,670	B1 U1 G1	3,920	B1 U1 G1
9L	5,650	B1 U1 G1	5,875	B1 U1 G1	4,000	B1 U1 G1	5,875	B1 U1 G1
11L	6,900	B1 U1 G2	7,200	B1 U1 G2	4,890	B1 U1 G2	7,200	B1 U1 G2
16L	10,075	B1 U1 G2	10,450	B1 U1 G2	7,100	B1 U1 G2	10,450	B1 U1 G2
22L	13,800	B2 U1 G2	14,375	B2 U1 G2	9,775	B1 U1 G2	14,375	B2 U1 G2
30L	18,800	B2 U1 G3	19,600	B2 U1 G3	13,350	B2 U1 G2	19,600	B2 U1 G3
40L	25,100	B3 U1 G3	26,200	B3 U1 G4	17,800	B2 U1 G3	26,200	B3 U1 G4
50L	31,400	B3 U1 G4	32,700	B3 U1 G4	22,200	B3 U1 G3	32,700	B3 U1 G4
65L	40,800	B3 U1 G4	42,500	B3 U1 G5	28,900	B3 U1 G4	42,500	B3 U1 G5
75L	47,100	B3 U1 G5	49,000	B3 U1 G5	33,300	B3 U1 G4	49,000	B3 U1 G5

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
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3M



RESTL Test Report #: PL17240-001A
OSQM-C-16L-57K7-3M-UL-NM-WH
Initial Delivered Lumens: 15,444

OSQL-C-40L-40K7-3M-UL
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 38,000
Initial FC at grade

Type III Mid Distribution

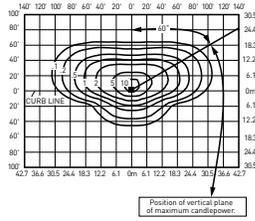
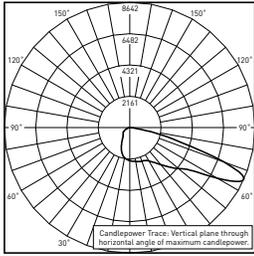
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	3,650	B1 U0 G1	3,800	B1 U0 G1	2,590	B1 U0 G1	3,800	B1 U0 G1
6L	5,475	B1 U0 G1	5,700	B1 U0 G1	3,880	B1 U0 G1	5,700	B1 U0 G1
9L	8,225	B2 U0 G2	8,550	B2 U0 G2	5,825	B1 U0 G1	8,550	B2 U0 G2
11L	10,025	B2 U0 G2	10,450	B2 U0 G2	7,100	B2 U0 G2	10,450	B2 U0 G2
16L	14,650	B3 U0 G3	15,200	B3 U0 G3	10,325	B2 U0 G2	15,200	B3 U0 G3
22L	20,100	B3 U0 G3	20,900	B3 U0 G3	14,200	B3 U0 G3	20,900	B3 U0 G3
30L	27,400	B3 U0 G3	28,500	B3 U0 G3	19,400	B3 U0 G3	28,500	B3 U0 G3
40L	36,500	B4 U0 G4	38,000	B4 U0 G4	25,900	B3 U0 G3	38,000	B4 U0 G4
50L	45,600	B4 U0 G4	47,500	B4 U0 G4	32,300	B3 U0 G4	47,500	B4 U0 G4
65L	59,300	B5 U0 G5	61,800	B5 U0 G5	42,000	B4 U0 G4	61,800	B5 U0 G5
75L	68,400	B5 U0 G5	71,300	B5 U0 G5	48,500	B4 U0 G4	71,300	B5 U0 G5

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

Photometry

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3B



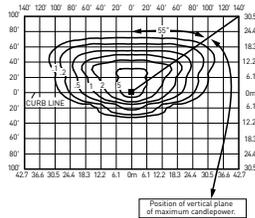
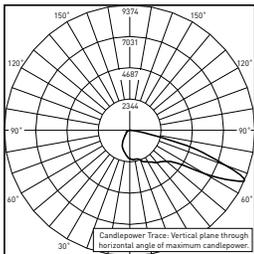
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OSQM-C-16L-57K7-3B-UL-NM-WH
Initial Delivered Lumens: 10,081

OSQL-C-40L-40K7-3B-UL
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 26,200
Initial FC at grade

Type III Mid w/BLS Distribution								
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	2,510	B1 U0 G1	2,620	B1 U0 G1	1,780	B0 U0 G1	2,620	B1 U0 G1
6L	3,760	B1 U0 G1	3,920	B1 U0 G1	2,670	B1 U0 G1	3,920	B1 U0 G1
9L	5,650	B1 U0 G1	5,875	B1 U0 G1	4,000	B1 U0 G1	5,875	B1 U0 G1
11L	6,900	B1 U0 G2	7,200	B1 U0 G2	4,890	B1 U0 G1	7,200	B1 U0 G2
16L	10,075	B2 U0 G2	10,450	B2 U0 G2	7,100	B1 U0 G2	10,450	B2 U0 G2
22L	13,800	B2 U0 G2	14,375	B2 U0 G2	9,775	B2 U0 G2	14,375	B2 U0 G2
30L	18,800	B3 U0 G3	19,600	B3 U0 G3	13,350	B2 U0 G2	19,600	B3 U0 G3
40L	25,100	B3 U0 G3	26,200	B3 U0 G3	17,800	B3 U0 G3	26,200	B3 U0 G3
50L	31,400	B3 U0 G4	32,700	B3 U0 G4	22,200	B3 U0 G3	32,700	B3 U0 G4
65L	40,800	B3 U0 G4	42,500	B4 U0 G4	28,900	B3 U0 G4	42,500	B4 U0 G4
75L	47,100	B4 U0 G5	49,000	B4 U0 G5	33,300	B3 U0 G4	49,000	B4 U0 G5

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
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3M W/OSQ-*-C-BLSF



RESSL Test Report#: PL17054-001A
OSQM-C-16L-57K7-3M-UL-NM-WH-R w/
OSQ-M-C-BLSF
Initial Delivered Lumens: 10,227

OSQL-C-40L-40K7-3M-UL w/OSQ-L-C-BLSF
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 26,200
Initial FC at grade

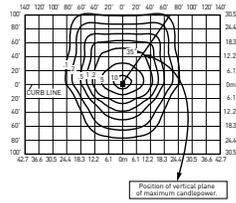
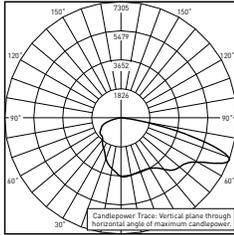
Type III Mid Distribution w/OSQ-*-C-BLSF								
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	2,510	B1 U1 G1	2,620	B1 U1 G1	1,780	B0 U1 G1	2,620	B1 U1 G1
6L	3,760	B1 U1 G1	3,920	B1 U1 G1	2,670	B1 U1 G1	3,920	B1 U1 G1
9L	5,650	B1 U1 G1	5,875	B1 U1 G1	4,000	B1 U1 G1	5,875	B1 U1 G2
11L	6,900	B1 U1 G2	7,200	B1 U1 G2	4,890	B1 U1 G1	7,200	B1 U1 G2
16L	10,075	B2 U1 G2	10,450	B2 U1 G2	7,100	B1 U1 G2	10,450	B2 U1 G2
22L	13,800	B2 U2 G2	14,375	B2 U2 G2	9,775	B2 U1 G2	14,375	B2 U2 G2
30L	18,800	B3 U2 G3	19,600	B3 U2 G3	13,350	B2 U2 G2	19,600	B3 U2 G3
40L	25,100	B3 U2 G4	26,200	B3 U2 G4	17,800	B3 U2 G3	26,200	B3 U2 G4
50L	31,400	B3 U2 G4	32,700	B3 U2 G4	22,200	B3 U2 G3	32,700	B3 U2 G4
65L	40,800	B3 U2 G5	42,500	B3 U2 G5	28,900	B3 U2 G4	42,500	B3 U2 G5
75L	47,100	B4 U2 G5	49,000	B4 U2 G5	33,300	B3 U2 G4	49,000	B4 U2 G5

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
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Photometry

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4M



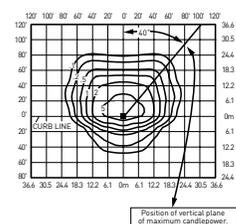
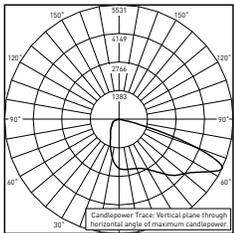
RESTL Test Report #: PL17299-001A
OSQM-C-16L-57K7-4M-UL-NM-WH
Initial Delivered Lumens: 15,584

OSQL-C-40L-40K7-4M-UL
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 38,000
Initial FC at grade

Type IV Mid Distribution								
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	3,650	B1 U0 G1	3,800	B1 U0 G1	2,590	B1 U0 G1	3,800	B1 U0 G1
6L	5,475	B1 U0 G1	5,700	B1 U0 G1	3,880	B1 U0 G1	5,700	B1 U0 G1
9L	8,225	B2 U0 G2	8,550	B2 U0 G2	5,825	B1 U0 G1	8,550	B2 U0 G2
11L	10,025	B2 U0 G2	10,450	B2 U0 G2	7,100	B2 U0 G1	10,450	B2 U0 G2
16L	14,650	B3 U0 G2	15,200	B3 U0 G2	10,325	B2 U0 G2	15,200	B3 U0 G2
22L	20,100	B3 U0 G3	20,900	B3 U0 G3	14,200	B3 U0 G2	20,900	B3 U0 G3
30L	27,400	B3 U0 G3	28,500	B3 U0 G3	19,400	B3 U0 G3	28,500	B3 U0 G3
40L	36,500	B4 U0 G4	38,000	B4 U0 G4	25,900	B3 U0 G3	38,000	B4 U0 G4
50L	45,600	B4 U0 G4	47,500	B4 U0 G4	32,300	B4 U0 G3	47,500	B4 U0 G4
65L	59,300	B5 U0 G5	61,800	B5 U0 G5	42,000	B4 U0 G4	61,800	B5 U0 G5
75L	68,400	B5 U0 G5	71,300	B5 U0 G5	48,500	B4 U0 G4	71,300	B5 U0 G5

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

4B



RESTL Test Report #: PL17367-001A
OSQM-C-16L-57K7-4B-UL-NM-WH
Initial Delivered Lumens: 9,812

OSQL-C-40L-40K7-4B-UL
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 24,000
Initial FC at grade

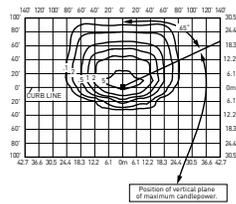
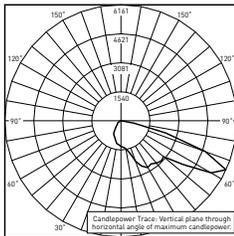
Type IV Mid w/BLS Distribution								
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	2,300	B1 U0 G0	2,400	B1 U0 G0	1,630	B0 U0 G0	2,400	B1 U0 G0
6L	3,440	B1 U0 G1	3,590	B1 U0 G1	2,440	B1 U0 G0	3,590	B1 U0 G1
9L	5,175	B1 U0 G1	5,400	B1 U0 G1	3,670	B1 U0 G1	5,400	B1 U0 G1
11L	6,325	B1 U0 G1	6,600	B1 U0 G1	4,480	B1 U0 G1	6,600	B1 U0 G1
16L	9,225	B2 U0 G2	9,575	B2 U0 G2	6,525	B1 U0 G1	9,575	B2 U0 G2
22L	12,625	B2 U0 G2	13,175	B2 U0 G2	8,950	B2 U0 G2	13,175	B2 U0 G2
30L	17,200	B3 U0 G2	18,000	B3 U0 G2	12,225	B2 U0 G2	18,000	B3 U0 G2
40L	23,000	B3 U0 G3	24,000	B3 U0 G3	16,300	B3 U0 G2	24,000	B3 U0 G3
50L	28,700	B3 U0 G3	29,900	B3 U0 G3	20,400	B3 U0 G2	29,900	B3 U0 G3
65L	37,400	B3 U0 G4	38,900	B3 U0 G4	26,500	B3 U0 G3	38,900	B3 U0 G4
75L	43,100	B4 U0 G4	44,900	B4 U0 G4	30,500	B3 U0 G3	44,900	B4 U0 G4

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

Photometry

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4M W/OSQ*-C-BLSF



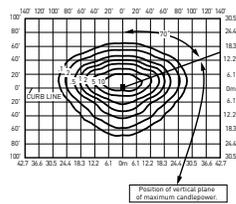
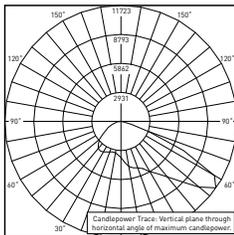
PRELIMINARY RESTL Test Report
OSQ Luminaire w/4M Optic w/OSQ-M-C-BLSF
Initial Delivered Lumens: 9,345

OSQL-C-40L-40K7-4M-UL w/OSQ-L-C-BLSF
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 24,000
Initial FC at grade

Type IV Mid Distribution w/OSQ*-C-BLSF								
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	2,300	B0 U1 G1	2,400	B1 U1 G1	1,630	B0 U1 G1	2,400	B1 U1 G1
6L	3,440	B1 U1 G1	3,590	B1 U1 G1	2,440	B1 U1 G1	3,590	B1 U1 G1
9L	5,175	B1 U1 G1	5,400	B1 U1 G1	3,670	B1 U1 G1	5,400	B1 U1 G1
11L	6,325	B1 U1 G2	6,600	B1 U1 G2	4,480	B1 U1 G1	6,600	B1 U1 G2
16L	9,225	B1 U1 G2	9,575	B1 U1 G2	6,525	B1 U1 G2	9,575	B1 U1 G2
22L	12,625	B2 U1 G2	13,175	B2 U1 G2	8,950	B1 U1 G2	13,175	B2 U1 G2
30L	17,200	B2 U1 G3	18,000	B2 U1 G3	12,225	B2 U1 G2	18,000	B2 U1 G3
40L	23,000	B3 U1 G3	24,000	B3 U1 G3	16,300	B2 U1 G2	24,000	B3 U1 G3
50L	28,700	B3 U1 G4	29,900	B3 U1 G4	20,400	B2 U1 G3	29,900	B3 U1 G4
65L	37,400	B3 U1 G4	38,900	B3 U1 G4	26,500	B3 U1 G4	38,900	B3 U1 G4
75L	43,100	B3 U1 G5	44,900	B3 U1 G5	30,500	B3 U1 G4	44,900	B3 U1 G5

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

AF



PRELIMINARY RESTL Test Report
OSQ Luminaire w/AF Optic
Initial Delivered Lumens: 15,866

OSQL-C-40L-40K7-AF-UL
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 38,000
Initial FC at grade

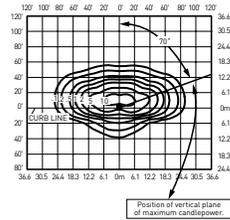
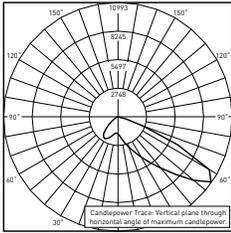
Automotive FrontLineOptic™ Distribution								
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	3,650	B1 U1 G1	3,800	B1 U1 G1	2,590	B1 U1 G1	3,800	B1 U1 G1
6L	5,475	B1 U1 G1	5,700	B1 U1 G1	3,880	B1 U1 G1	5,700	B1 U1 G1
9L	8,225	B2 U1 G1	8,550	B2 U1 G1	5,825	B1 U1 G1	8,550	B2 U1 G1
11L	10,025	B2 U1 G2	10,450	B2 U1 G2	7,100	B2 U1 G1	10,450	B2 U1 G2
16L	14,650	B3 U1 G2	15,200	B3 U1 G2	10,325	B2 U1 G2	15,200	B3 U1 G2
22L	20,100	B3 U1 G3	20,900	B3 U1 G3	14,200	B2 U1 G2	20,900	B3 U1 G3
30L	27,400	B3 U1 G3	28,500	B3 U1 G3	19,400	B3 U1 G3	28,500	B3 U1 G3
40L	36,500	B4 U1 G3	38,000	B4 U1 G3	25,900	B3 U1 G3	38,000	B4 U1 G3
50L	45,600	B4 U1 G4	47,500	B4 U1 G4	32,300	B3 U1 G3	47,500	B4 U1 G4
65L	59,300	B5 U1 G4	61,800	B5 U1 G4	42,000	B4 U1 G3	61,800	B5 U1 G4
75L	68,400	B5 U1 G4	71,300	B5 U1 G4	48,500	B4 U1 G4	71,300	B5 U1 G4

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

Photometry

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AB



PRELIMINARY RESTL Test Report
OSQ Luminaire w/AB Optic
Initial Delivered Lumens: 11,393

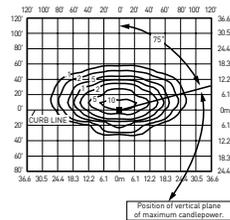
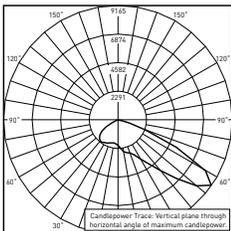
OSQ-L-C-40L-40K7-AB-UL
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 26,200
Initial FC at grade

Automotive FrontLineOptic™ w/BLS Distribution

Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	2,510	B1 U1 G0	2,620	B1 U1 G0	1,780	B0 U1 G0	2,620	B1 U1 G0
6L	3,760	B1 U1 G0	3,920	B1 U1 G1	2,670	B1 U1 G0	3,920	B1 U1 G1
9L	5,650	B1 U1 G1	5,875	B1 U1 G1	4,000	B1 U1 G1	5,875	B1 U1 G1
11L	6,900	B1 U1 G1	7,200	B1 U1 G1	4,890	B1 U1 G1	7,200	B1 U1 G1
16L	10,075	B2 U1 G1	10,450	B2 U1 G1	7,100	B1 U1 G1	10,450	B2 U1 G1
22L	13,800	B2 U1 G2	14,375	B2 U1 G2	9,775	B2 U1 G1	14,375	B2 U1 G2
30L	18,800	B2 U1 G2	19,600	B2 U1 G2	13,350	B2 U1 G2	19,600	B2 U1 G2
40L	25,100	B3 U1 G2	26,200	B3 U1 G2	17,800	B2 U1 G2	26,200	B3 U1 G2
50L	31,400	B3 U1 G2	32,700	B3 U1 G2	22,200	B3 U1 G2	32,700	B3 U1 G2
65L	40,800	B3 U1 G3	42,500	B3 U1 G3	28,900	B3 U1 G2	42,500	B3 U1 G3
75L	47,100	B3 U1 G3	49,000	B4 U1 G3	33,300	B3 U1 G2	49,000	B4 U1 G3

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

AF W/OSQ*-C-BLSF



PRELIMINARY RESTL Test Report
OSQ Luminaire w/AF Optic w/OSQ-M-C-BLSF
Initial Delivered Lumens: 9,783

OSQ-L-C-40L-40K7-AF-UL w/OSQ-L-C-BLSF
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 26,200
Initial FC at grade

Automotive FrontLineOptic™ w/OSQ*-C-BLSF

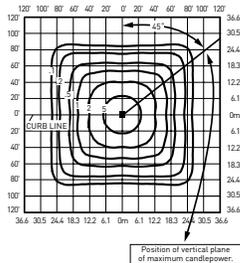
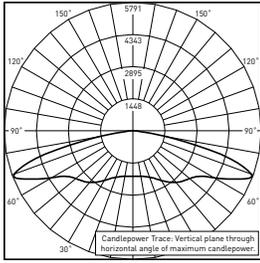
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	2,510	B1 U1 G0	2,620	B1 U1 G0	1,780	B0 U1 G0	2,620	B1 U1 G0
6L	3,760	B1 U1 G0	3,920	B1 U1 G1	2,670	B1 U1 G0	3,920	B1 U1 G1
9L	5,650	B1 U1 G1	5,875	B1 U1 G1	4,000	B1 U1 G1	5,875	B1 U1 G1
11L	6,900	B1 U1 G1	7,200	B1 U1 G1	4,890	B1 U1 G1	7,200	B1 U1 G1
16L	10,075	B2 U1 G1	10,450	B2 U1 G1	7,100	B1 U1 G1	10,450	B2 U1 G1
22L	13,800	B2 U1 G2	14,375	B2 U1 G2	9,775	B2 U1 G1	14,375	B2 U1 G2
30L	18,800	B3 U1 G2	19,600	B3 U1 G2	13,350	B2 U1 G2	19,600	B3 U1 G2
40L	25,100	B3 U1 G2	26,200	B3 U1 G2	17,800	B2 U1 G2	26,200	B3 U1 G2
50L	31,400	B3 U1 G2	32,700	B3 U1 G2	22,200	B3 U1 G2	32,700	B3 U1 G2
65L	40,800	B3 U1 G3	42,500	B3 U1 G3	28,900	B3 U1 G2	42,500	B3 U1 G3
75L	47,100	B4 U1 G3	49,000	B4 U1 G3	33,300	B3 U1 G2	49,000	B4 U1 G3

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

Photometry

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5M



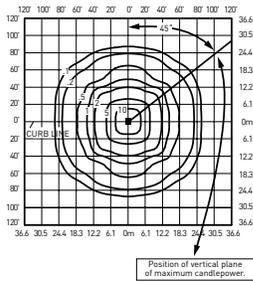
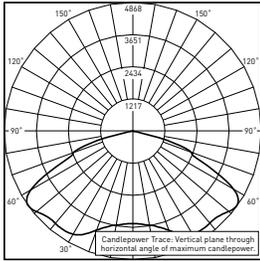
RESTL Test Report #: PL17290-002A
OSQM-C-16L-57K7-5M-UL-NM-WH
Initial Delivered Lumens: 15,567

OSQL-C-40L-40K7-5M-UL
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 40,000
Initial FC at grade

Type V Mid Distribution								
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	3,840	B2 U0 G1	4,000	B2 U0 G1	2,720	B2 U0 G1	4,000	B2 U0 G1
6L	5,750	B3 U0 G1	6,000	B3 U0 G1	4,080	B2 U0 G1	6,000	B3 U0 G1
9L	8,650	B3 U0 G1	9,000	B3 U0 G1	6,125	B3 U0 G1	9,000	B3 U0 G1
11L	10,550	B3 U0 G2	11,000	B3 U0 G2	7,475	B3 U0 G1	11,000	B3 U0 G2
16L	15,400	B4 U0 G2	16,000	B4 U0 G2	10,875	B3 U0 G2	16,000	B4 U0 G2
22L	21,100	B4 U0 G2	22,000	B4 U0 G2	14,950	B4 U0 G2	22,000	B4 U0 G2
30L	28,800	B5 U0 G3	30,000	B5 U0 G3	20,400	B4 U0 G2	30,000	B5 U0 G3
40L	38,400	B5 U0 G3	40,000	B5 U0 G4	27,200	B5 U0 G3	40,000	B5 U0 G4
50L	48,000	B5 U0 G4	50,000	B5 U0 G4	34,000	B5 U0 G3	50,000	B5 U0 G4
65L	62,400	B5 U0 G5	65,000	B5 U0 G5	44,200	B5 U0 G4	65,000	B5 U0 G5
75L	72,000	B5 U0 G5	75,000	B5 U0 G5	51,000	B5 U0 G4	75,000	B5 U0 G5

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

5N



RESTL Test Report #: PL17333-002A
OSQM-C-16L-57K7-5N-UL-NM-WH
Initial Delivered Lumens: 16,299

OSQL-C-40L-40K7-5N-UL
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 40,000
Initial FC at grade

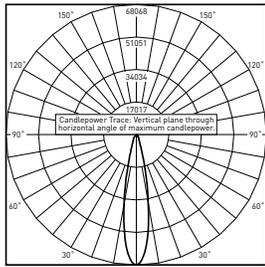
Type V Narrow Distribution								
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	3,840	B2 U0 G0	4,000	B2 U0 G0	2,720	B1 U0 G0	4,000	B2 U0 G0
6L	5,750	B2 U0 G0	6,000	B2 U0 G1	4,080	B2 U0 G0	6,000	B2 U0 G1
9L	8,650	B2 U0 G1	9,000	B3 U0 G1	6,125	B2 U0 G1	9,000	B3 U0 G1
11L	10,550	B3 U0 G1	11,000	B3 U0 G1	7,475	B2 U0 G1	11,000	B3 U0 G1
16L	15,400	B3 U0 G1	16,000	B3 U0 G2	10,875	B3 U0 G1	16,000	B3 U0 G2
22L	21,100	B4 U0 G2	22,000	B4 U0 G2	14,950	B3 U0 G1	22,000	B4 U0 G2
30L	28,800	B4 U0 G2	30,000	B5 U0 G2	20,400	B4 U0 G2	30,000	B5 U0 G2
40L	38,400	B5 U0 G2	40,000	B5 U0 G2	27,200	B4 U0 G2	40,000	B5 U0 G2
50L	48,000	B5 U0 G3	50,000	B5 U0 G3	34,000	B5 U0 G2	50,000	B5 U0 G3
65L	62,400	B5 U0 G3	65,000	B5 U0 G3	44,200	B5 U0 G2	65,000	B5 U0 G3
75L	72,000	B5 U0 G4	75,000	B5 U0 G4	51,000	B5 U0 G3	75,000	B5 U0 G4

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

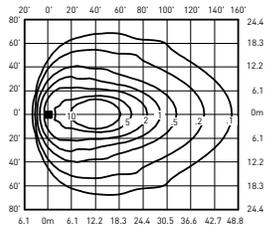
Photometry

All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult: <https://creelighting.com/products/outdoor/area/osq-series>

33



RESTL Test Report #: PL17338-001A
OSQM-C-16L-57K7-33-UL-NM-WH
Initial Delivered Lumens: 16,127

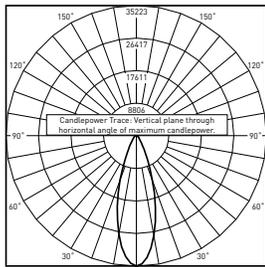


OSQL-C-40L-40K7-33-UL
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt
Initial Delivered Lumens: 40,000
Initial FC at grade

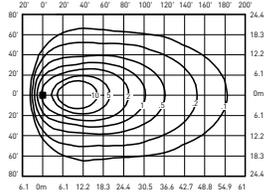
NEMA® 3x3 Distribution				
Lumen Package	3000K (70 CRI)	4000K (70 CRI)	5000K (90CRI)	5700K (70 CRI)
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
4L	3,840	4,000	2,720	4,000
6L	5,750	6,000	4,080	6,000
9L	8,650	9,000	6,125	9,000
11L	10,550	11,000	7,475	11,000
16L	15,400	16,000	10,875	16,000
22L	21,100	22,000	14,950	22,000
30L	28,800	30,000	20,400	30,000
40L	38,400	40,000	27,200	40,000
50L	48,000	50,000	34,000	50,000
65L	62,400	65,000	44,200	65,000
75L	72,000	75,000	51,000	75,000

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

44



PRELIMINARY RESTL Test Report
OSQ Luminaire w/44 Optic
Initial Delivered Lumens: 16,001



OSQL-C-40L-40K7-44-UL
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt
Initial Delivered Lumens: 40,000
Initial FC at grade

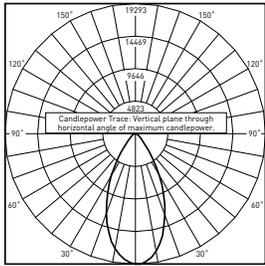
NEMA® 4x4 Distribution				
Lumen Package	3000K (70 CRI)	4000K (70 CRI)	5000K (90CRI)	5700K (70 CRI)
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
4L	3,840	4,000	2,720	4,000
6L	5,750	6,000	4,080	6,000
9L	8,650	9,000	6,125	9,000
11L	10,550	11,000	7,475	11,000
16L	15,400	16,000	10,875	16,000
22L	21,100	22,000	14,950	22,000
30L	28,800	30,000	20,400	30,000
40L	38,400	40,000	27,200	40,000
50L	48,000	50,000	34,000	50,000
65L	62,400	65,000	44,200	65,000
75L	72,000	75,000	51,000	75,000

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

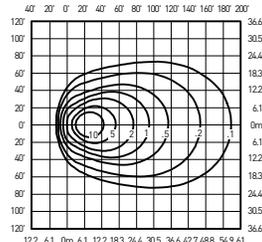
Photometry

All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult: <https://creelighting.com/products/outdoor/area/osq-series>

55



PRELIMINARY RESTL Test Report
OSQ Luminaire w/55 Optic
Initial Delivered Lumens: 15,967

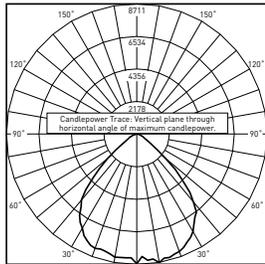


OSQ-L-C-40L-40K7-55-UL
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt
Initial Delivered Lumens: 40,000
Initial FC at grade

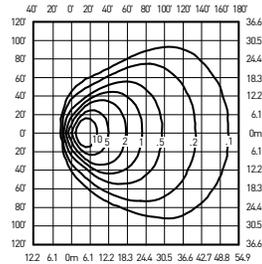
NEMA® 5x5 Distribution				
Lumen Package	3000K (70 CRI)	4000K (70 CRI)	5000K (90CRI)	5700K (70 CRI)
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
4L	3,840	4,000	2,720	4,000
6L	5,750	6,000	4,080	6,000
9L	8,650	9,000	6,125	9,000
11L	10,550	11,000	7,475	11,000
16L	15,400	16,000	10,875	16,000
22L	21,100	22,000	14,950	22,000
30L	28,800	30,000	20,400	30,000
40L	38,400	40,000	27,200	40,000
50L	48,000	50,000	34,000	50,000
65L	62,400	65,000	44,200	65,000
75L	72,000	75,000	51,000	75,000

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

66



PRELIMINARY RESTL Test Report
OSQ Luminaire w/66 Optic
Initial Delivered Lumens: 15,952



OSQ-L-C-40L-40K7-66-UL
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt
Initial Delivered Lumens: 40,000
Initial FC at grade

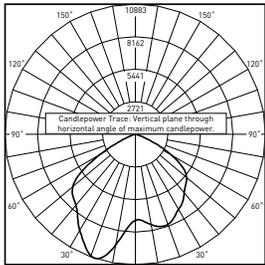
NEMA® 6x6 Distribution				
Lumen Package	3000K (70 CRI)	4000K (70 CRI)	5000K (90CRI)	5700K (70 CRI)
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
4L	3,840	4,000	2,720	4,000
6L	5,750	6,000	4,080	6,000
9L	8,650	9,000	6,125	9,000
11L	10,550	11,000	7,475	11,000
16L	15,400	16,000	10,875	16,000
22L	21,100	22,000	14,950	22,000
30L	28,800	30,000	20,400	30,000
40L	38,400	40,000	27,200	40,000
50L	48,000	50,000	34,000	50,000
65L	62,400	65,000	44,200	65,000
75L	72,000	75,000	51,000	75,000

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

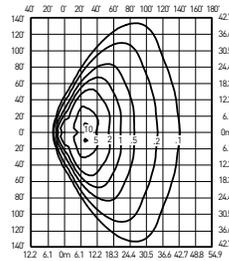
Photometry

All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult: <https://creelighting.com/products/outdoor/area/osq-series>

75



RESTL Test Report #: PL17352-001A
OSQM-C-16L-57K7-75-UL-NM-WH
Initial Delivered Lumens: 16,120



OSQL-C-40L-40K7-75-UL
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt
Initial Delivered Lumens: 40,000
Initial FC at grade

NEMA® 7x5 Distribution				
Lumen Package	3000K (70 CRI)	4000K (70 CRI)	5000K (90CRI)	5700K (70 CRI)
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
4L	3,840	4,000	2,720	4,000
6L	5,750	6,000	4,080	6,000
9L	8,650	9,000	6,125	9,000
11L	10,550	11,000	7,475	11,000
16L	15,400	16,000	10,875	16,000
22L	21,100	22,000	14,950	22,000
30L	28,800	30,000	20,400	30,000
40L	38,400	40,000	27,200	40,000
50L	48,000	50,000	34,000	50,000
65L	62,400	65,000	44,200	65,000
75L	72,000	75,000	51,000	75,000

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

Luminaire EPA

Adjustable Arm Mount – OSQ-ML-C-AA Weight: Medium - 19.3 lbs. [8.8kg]; Large - 28.4 lbs. [12.9kg]; OSQ-X-C-DA Weight: Extra Large - 48.6 lbs. [22kg]								
	Single	2 @ 180°	2 @ 90°	3 @ 90°	3 @ 120°	3 @ 180°	4 @ 180°	4 @ 90°
Luminaire	Tenon Configuration [0° - 90° Tilt]; If used with Cree Lighting tenons, please add tenon EPA with Luminaire EPA							
	PB-1A*; PT-1*; PW-1A3**	PB-2A*; PB-2R2.375; PD-2A4(180)*; PT-2(180)*; PW-2A3**	PB-2A*; PB-2R2.375; PD-2A4(90)*; PT-2(90)*; PW-2A3**	PB-3A*; PB-3R2.375; PD-3A4(90)*; PT-3(90)*	PB-3A*; PB-3R2.375; PT-3(120)*	PB-3A*; PB-3R2.375	PB-4A*(180); PB-4R2.375	PB-4A*(90); PB-4R2.375; PD-4A4(90)*; PT-4(90)*
	0° Tilt							
OSQM	0.69	1.38	1.11	1.80	2.01	1.38	1.73	2.22
OSQL	0.78	1.55	1.30	2.07	2.33	1.55	1.94	2.60
OSQX	0.98	1.95	1.65	2.63	2.97	1.95	2.44	3.31
	45° Tilt							
OSQM	1.41	2.81	2.10	3.50	4.23	4.22	5.63	4.19
OSQL	2.62	5.23	3.39	6.01	6.91	7.85	10.46	6.79
OSQX	4.35	8.70	5.33	9.68	9.65	13.05	17.40	10.66
	90° Tilt***							
OSQM	1.89	3.79	2.58	4.48	5.56	5.68	7.57	5.17
OSQL	3.52	7.03	4.29	7.81	9.14	10.55	14.07	8.59
OSQX	5.84	11.68	6.82	12.66	12.78	17.52	23.36	13.63

* Specify pole size: 3 [3"], 4 [4"], 5 [5"], or 6 [6"] for single, double or triple luminaire orientation or 4 [4"], 5 [5"], or 6 [6"] for quad luminaire orientation
 ** These EPA values must be multiplied by the following ratio: Fixture Mounting Height/Total Pole Height. Specify pole size: 3 [3"], 4 [4"], 5 [5"], or 6 [6"]
 *** PD-2A4(90), PT-2(90), PD-3A4(90), PT-3(90), PD-4A4(90), PT-4(90) are not compatible with 90 degree tilt
 + PT & PD aluminum tenons are not suitable for use with OSQX luminaires.

Tenon EPA

Part Number	EPA
PB-1A*	None
PB-2A*	0.82
PB-3A*	1.52
PB-4A*(180)	2.22
PB-4A*(90)	1.11
PB-2R2.375	0.92
PB-3R2.375	1.62
PB-4R2.375	2.32
PD Series Tenons	0.09
PT Series Tenons	0.10
PW-1A3**	0.47
PW-2A3**	0.94
WM-2	0.08
WM-4	0.25
WM-DM	None

* Specify pole size: 3 [3"], 4 [4"], 5 [5"], or 6 [6"] for single, double or triple luminaire orientation or 4 [4"], 5 [5"], or 6 [6"] for quad luminaire orientation
 ** These EPA values must be multiplied by the following ratio: Fixture Mounting Height/Total Pole Height. Specify pole size: 3 [3"], 4 [4"], 5 [5"], or 6 [6"]

Tenons and Brackets [†] (must specify color)	
<p>Square Internal Mount Vertical Tenons (Steel) - Mounts to 3-6" (76-152mm) square aluminum or steel poles</p> <p>PB-1A* – Single PB-2A* – 180° Twin PB-3A* – 180° Triple</p> <p>PB-4A*(90) – 90° Quad PB-4A*(180) – 180° Quad</p>	<p>Round External Mount Vertical Tenons (Steel) - Mounts to 2.375" (60mm) O.D. round aluminum or steel poles or tenons</p> <p>PB-2R2.375 – Twin PB-3R2.375 – Triple PB-4R2.375 – Quad</p>
<p>Square Internal Mount Horizontal Tenons (Aluminum) - Mounts to 4" (102mm) square aluminum or steel poles - Not for use with OSQX luminaires</p> <p>PD-2A4(90) – 90° Twin PD-2A4(180) – 180° Twin PD-3A4(90) – 90° Triple PD-4A4(90) – 90° Quad</p>	<p>Round External Mount Horizontal Tenons (Aluminum) - Mounts to 2.375" (60mm) O.D. round aluminum or steel poles or tenons - Mounts to square pole with PB-1A* tenon - Not for use with OSQX luminaires</p> <p>PT-1 – Single (Vertical) PT-2(90) – 90° Twin PT-2(180) – 180° Twin PT-3(90) – 90° Triple PT-3(120) – 120° Triple PT-4(90) – 90° Quad</p>
<p>Wall Mount Brackets - Mounts to wall or roof</p> <p>WM-2 – Horizontal for OSQ-ML-C-AA or OSQ-X-C-AA mounts WM-4 – L-Shape for OSQ-ML-C-AA or OSQ-X-C-AA mounts WM-DM – Plate for OSQ-ML-C-DA or OSQ-X-C-DA mounts</p>	<p>Mid-Pole Bracket - Mounts to square pole</p> <p>PW-1A3** – Single PW-2A3** – Double</p>
	<p>Ground Mount Post - For ground-mounted flood luminaires</p> <p>PGM-1 - for OSQ-ML-C-AA or OSQ-X-C-AA mounts</p>

[†] Refer to the [Bracket and Tenons spec sheet](#) for more details

Luminaire EPA

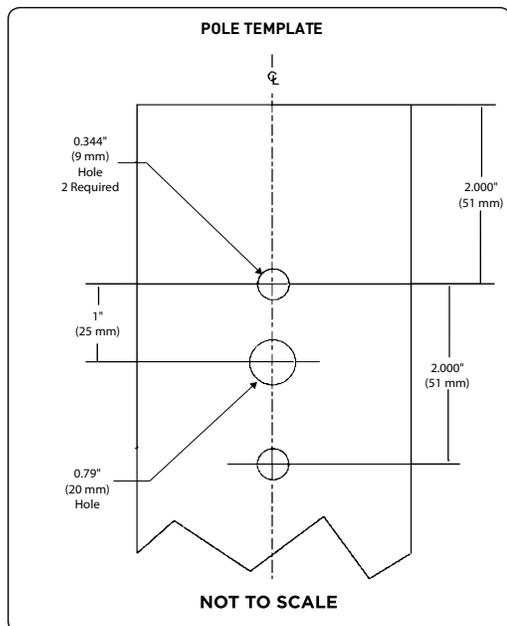
Direct Arm Mount – OSQ-ML-C-DA Weight: Medium - 19.7 lbs. (8.9kg); Large - 28.8 lbs. (13.1kg); OSQ-X-C-DA Weight: Extra Large - 45.8 lbs. (20.8kg)						
Luminaire	Single	2 @ 180°	2 @ 90°	3 @ 90°	3 @ 120°	4 @ 90°
OSQM	0.63	1.26	0.98	1.61	1.79	1.97
OSQL	0.72	1.45	1.24	1.97	2.23	2.49
OSQX	0.91	1.83	1.52	2.43	2.74	3.04

Direct Mount Configurations

Compatibility with Direct Mount Brackets					
Size	2 @ 90°	2 @ 180°	3 @ 90°	3 @ 120°	4 @ 90°
3" Square					
Medium/Large	✓	✓	✓	N/A	✓
Extra Large	N/A	✓	N/A	N/A	N/A
3" Round					
Medium/Large	N/A	✓	N/A	✓	N/A
Extra Large	N/A	N/A	N/A	N/A	N/A
4" Square					
Medium/Large	✓	✓	✓	N/A	✓
Extra Large	✓	✓	✓	N/A	✓
4" Round					
Medium/Large	✓	✓	✓	✓	✓
Extra Large	✓	✓	✓	✓	✓
5" Square					
Medium/Large	✓	✓	✓	N/A	✓
Extra Large	✓	✓	✓	N/A	✓
5" Round					
Medium/Large	✓	✓	✓	✓	✓
Extra Large	✓	✓	✓	✓	✓
6" + Square					
Medium/Large	✓	✓	✓	N/A	✓
Extra Large	✓	✓	✓	N/A	✓
6" + Round					
Medium/Large	✓	✓	✓	✓	✓
Extra Large	✓	✓	✓	✓	✓

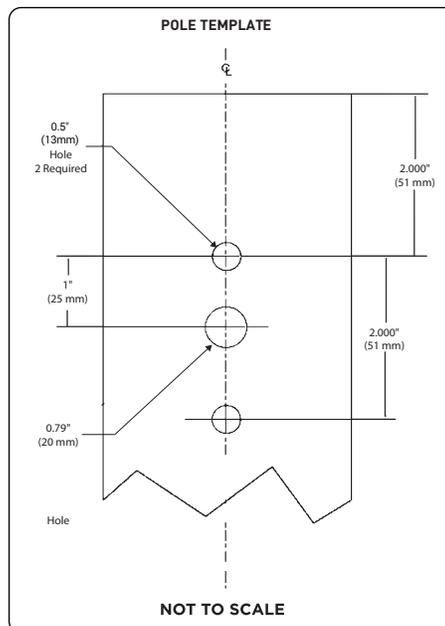
Fixture Mounting Drill Pattern for OSQ-ML-C-DA Mount

Note: When using with Cree Lighting poles, order the BLANK Fixture Mounting Drill Pattern.



Fixture Mounting Drill Pattern for OSQ-X-C-DA

Note: When using with Cree Lighting poles, order the Q Fixture Mounting Drill Pattern.



Luminaire EPA

Trunnion Mount – OSQ-ML-C-TM Weight:	
Medium - 23.2 lbs. (10.5kg);	
Large - 32.3 lbs. (14.7kg)	
Single	
Medium	Large
0° Tilt	
0.69	0.78
45° Tilt	
1.41	2.62
90° Tilt	
1.89	3.52

Field Adjustable Output (Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:

The Field Adjustable Output option enables the OSQ area luminaires to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected Q setting and will be fully adjustable between the nine settings. When ordered with the N option, the luminaire will include an ANSI C136.15-2020 utility label that indicates the wattage (rounded to nearest 10W), the lumen output (rounded to nearest 1000 lumens), and the CCT of the luminaire at the selected lumen output. Additional dimming functionality is available when a dimming control (by others) is used in the 7-Pin receptacle.

Locked Lumen Output (X8/X7/X6/X5/X4/X3/X2/X1) Option Description:

The Locked Lumen Output option on this page permanently locks the lumen output on the OSQ area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected and will only be able to be adjusted down in the field through a dimming control (by others). When ordered with the N option, the luminaire will include a utility label that indicates the wattage, lumen output, and CCT of the setting selected.

Q & X Option Power & Lumen Data – 4L Lumen Package

Q/X Option Setting	CCT/CRI	System Watts 120-277V	Lumen Values				Utility Label Wattage	Utility Label Lumens			
			Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS		Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS
Q9 (Full Power)	30K (70 CRI)	26	3,650	3,840	2,510	2,300	30	4000 L	4000 L	3000 L	2000 L
	40K (70 CRI)		3,800	4,000	2,620	2,400		4000 L	4000 L	3000 L	2000 L
	50K (90 CRI)		2,590	2,720	1,780	1,630		3000 L	3000 L	2000 L	2000 L
	57K (70 CRI)		3,800	4,000	2,620	2,400		4000 L	4000 L	3000 L	2000 L
Q8/X8	30K (70 CRI)	24	3,480	3,660	2,390	2,190	20	3000 L	4000 L	2000 L	2000 L
	40K (70 CRI)		3,630	3,820	2,500	2,290		4000 L	4000 L	3000 L	2000 L
	50K (90 CRI)		2,460	2,590	1,690	1,550		2000 L	3000 L	2000 L	2000 L
	57K (70 CRI)		3,630	3,820	2,500	2,290		4000 L	4000 L	3000 L	2000 L
Q7/X7	30K (70 CRI)	23	3,340	3,510	2,300	2,100	20	3000 L	4000 L	2000 L	2000 L
	40K (70 CRI)		3,480	3,660	2,390	2,190		3000 L	4000 L	2000 L	2000 L
	50K (90 CRI)		2,370	2,490	1,630	1,490		2000 L	2000 L	2000 L	1000 L
	57K (70 CRI)		3,480	3,660	2,390	2,190		3000 L	4000 L	2000 L	2000 L
Q6/X6	30K (70 CRI)	22	3,220	3,390	2,220	2,030	20	3000 L	3000 L	2000 L	2000 L
	40K (70 CRI)		3,360	3,540	2,310	2,120		3000 L	4000 L	2000 L	2000 L
	50K (90 CRI)		2,280	2,400	1,570	1,440		2000 L	2000 L	2000 L	1000 L
	57K (70 CRI)		3,360	3,540	2,310	2,120		3000 L	4000 L	2000 L	2000 L
Q5/X5	30K (70 CRI)	20	2,950	3,100	2,030	1,860	20	3000 L	3000 L	2000 L	2000 L
	40K (70 CRI)		3,070	3,230	2,110	1,930		3000 L	3000 L	2000 L	2000 L
	50K (90 CRI)		2,090	2,200	1,440	1,320		2000 L	2000 L	1000 L	1000 L
	57K (70 CRI)		3,070	3,230	2,110	1,930		3000 L	3000 L	2000 L	2000 L
Q4/X4	30K (70 CRI)	18	2,680	2,820	1,840	1,690	20	3000 L	3000 L	2000 L	2000 L
	40K (70 CRI)		2,790	2,940	1,920	1,760		3000 L	3000 L	2000 L	2000 L
	50K (90 CRI)		1,900	2,000	1,310	1,200		2000 L	2000 L	1000 L	1000 L
	57K (70 CRI)		2,790	2,940	1,920	1,760		3000 L	3000 L	2000 L	2000 L
Q3/X3	30K (70 CRI)	16	2,470	2,600	1,700	1,560	20	2000 L	3000 L	2000 L	2000 L
	40K (70 CRI)		2,580	2,710	1,770	1,620		3000 L	3000 L	2000 L	2000 L
	50K (90 CRI)		1,750	1,840	1,200	1,100		2000 L	2000 L	1000 L	1000 L
	57K (70 CRI)		2,580	2,710	1,770	1,620		3000 L	3000 L	2000 L	2000 L
Q2/X2	30K (70 CRI)	15	2,220	2,340	1,530	1,400	20	2000 L	2000 L	2000 L	1000 L
	40K (70 CRI)		2,320	2,440	1,600	1,460		2000 L	2000 L	2000 L	1000 L
	50K (90 CRI)		1,580	1,660	1,090	990		2000 L	2000 L	1000 L	1000 L
	57K (70 CRI)		2,320	2,440	1,600	1,460		2000 L	2000 L	2000 L	1000 L
Q1/X1	30K (70 CRI)	13	1,970	2,070	1,350	1,240	10	2000 L	2000 L	1000 L	1000 L
	40K (70 CRI)		2,050	2,160	1,410	1,290		2000 L	2000 L	1000 L	1000 L
	50K (90 CRI)		1,400	1,470	960	880		1000 L	1000 L	1000 L	1000 L
	57K (70 CRI)		2,050	2,160	1,410	1,290		2000 L	2000 L	1000 L	1000 L

Field Adjustable Output (Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:

The Field Adjustable Output option enables the OSQ area luminaires to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected Q setting and will be fully adjustable between the nine settings. When ordered with the N option, the luminaire will include an ANSI C136.15-2020 utility label that indicates the wattage (rounded to nearest 10W), the lumen output (rounded to nearest 1000 lumens), and the CCT of the luminaire at the selected lumen output. Additional dimming functionality is available when a dimming control (by others) is used in the 7-Pin receptacle.

Locked Lumen Output (X8/X7/X6/X5/X4/X3/X2/X1) Option Description:

The Locked Lumen Output option on this page permanently locks the lumen output on the OSQ area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected and will only be able to be adjusted down in the field through a dimming control (by others). When ordered with the N option, the luminaire will include a utility label that indicates the wattage, lumen output, and CCT of the setting selected.

Q & X Option Power & Lumen Data – 6L Lumen Package

Q/X Option Setting	CCT/CRI	System Watts 120-480V	Lumen Values				Utility Label Wattage	Utility Label Lumens			
			Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS		Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS
Q9 (Full Power)	30K (70 CRI)	37	5,475	5,750	3,760	3,440	40	5000 L	6000 L	4000 L	3000 L
	40K (70 CRI)		5,700	6,000	3,920	3,590		6000 L	6000 L	4000 L	4000 L
	50K (90 CRI)		3,880	4,080	2,670	2,440		4000 L	4000 L	3000 L	2000 L
	57K (70 CRI)		5,700	6,000	3,920	3,590		6000 L	6000 L	4000 L	4000 L
Q8/X8	30K (70 CRI)	34	5,200	5,475	3,580	3,280	30	5000 L	5000 L	4000 L	3000 L
	40K (70 CRI)		5,450	5,725	3,740	3,430		5000 L	6000 L	4000 L	3000 L
	50K (90 CRI)		3,700	3,890	2,540	2,330		4000 L	4000 L	3000 L	2000 L
	57K (70 CRI)		5,450	5,725	3,740	3,430		5000 L	6000 L	4000 L	3000 L
Q7/X7	30K (70 CRI)	32	4,990	5,250	3,430	3,140	30	5000 L	5000 L	3000 L	3000 L
	40K (70 CRI)		5,200	5,475	3,580	3,280		5000 L	5000 L	4000 L	3000 L
	50K (90 CRI)		3,550	3,730	2,440	2,230		4000 L	4000 L	2000 L	2000 L
	57K (70 CRI)		5,200	5,475	3,580	3,280		5000 L	5000 L	4000 L	3000 L
Q6/X6	30K (70 CRI)	30	4,820	5,075	3,320	3,040	30	5000 L	5000 L	3000 L	3000 L
	40K (70 CRI)		5,050	5,300	3,470	3,170		5000 L	5000 L	3000 L	3000 L
	50K (90 CRI)		3,430	3,610	2,360	2,160		3000 L	4000 L	2000 L	2000 L
	57K (70 CRI)		5,050	5,300	3,470	3,170		5000 L	5000 L	3000 L	3000 L
Q5/X5	30K (70 CRI)	28	4,420	4,650	3,040	2,780	30	4000 L	5000 L	3000 L	3000 L
	40K (70 CRI)		4,610	4,850	3,170	2,900		5000 L	5000 L	3000 L	3000 L
	50K (90 CRI)		3,140	3,300	2,160	1,980		3000 L	3000 L	2000 L	2000 L
	57K (70 CRI)		4,610	4,850	3,170	2,900		5000 L	5000 L	3000 L	3000 L
Q4/X4	30K (70 CRI)	25	4,010	4,220	2,760	2,530	30	4000 L	4000 L	3000 L	3000 L
	40K (70 CRI)		4,180	4,400	2,880	2,640		4000 L	4000 L	3000 L	3000 L
	50K (90 CRI)		2,840	2,990	1,960	1,790		3000 L	3000 L	2000 L	2000 L
	57K (70 CRI)		4,180	4,400	2,880	2,640		4000 L	4000 L	3000 L	3000 L
Q3/X3	30K (70 CRI)	23	3,710	3,900	2,550	2,340	20	4000 L	4000 L	3000 L	2000 L
	40K (70 CRI)		3,870	4,070	2,660	2,440		4000 L	4000 L	3000 L	2000 L
	50K (90 CRI)		2,630	2,770	1,810	1,660		3000 L	3000 L	2000 L	2000 L
	57K (70 CRI)		3,870	4,070	2,660	2,440		4000 L	4000 L	3000 L	2000 L
Q2/X2	30K (70 CRI)	20	3,340	3,510	2,300	2,100	20	3000 L	4000 L	2000 L	2000 L
	40K (70 CRI)		3,480	3,660	2,390	2,190		3000 L	4000 L	2000 L	2000 L
	50K (90 CRI)		2,370	2,490	1,630	1,490		2000 L	2000 L	2000 L	1000 L
	57K (70 CRI)		3,480	3,660	2,390	2,190		3000 L	4000 L	2000 L	2000 L
Q1/X1	30K (70 CRI)	18	2,950	3,100	2,030	1,860	20	3000 L	3000 L	2000 L	2000 L
	40K (70 CRI)		3,070	3,230	2,110	1,930		3000 L	3000 L	2000 L	2000 L
	50K (90 CRI)		2,090	2,200	1,440	1,320		2000 L	2000 L	1000 L	1000 L
	57K (70 CRI)		3,070	3,230	2,110	1,930		3000 L	3000 L	2000 L	2000 L

Field Adjustable Output (Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:

The Field Adjustable Output option enables the OSQ area luminaires to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected Q setting and will be fully adjustable between the nine settings. When ordered with the N option, the luminaire will include an ANSI C136.15-2020 utility label that indicates the wattage (rounded to nearest 10W), the lumen output (rounded to nearest 1000 lumens), and the CCT of the luminaire at the selected lumen output. Additional dimming functionality is available when a dimming control (by others) is used in the 7-Pin receptacle.

Locked Lumen Output (X8/X7/X6/X5/X4/X3/X2/X1) Option Description:

The Locked Lumen Output option on this page permanently locks the lumen output on the OSQ area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected and will only be able to be adjusted down in the field through a dimming control (by others). When ordered with the N option, the luminaire will include a utility label that indicates the wattage, lumen output, and CCT of the setting selected.

Q & X Option Power & Lumen Data – 9L Lumen Package

Q/X Option Setting	CCT/CRI	System Watts 120-480V	Lumen Values				Utility Label Wattage	Utility Label Lumens			
			Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS		Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS
Q9 (Full Power)	30K (70 CRI)	55	8,225	8,650	5,650	5,175	60	8000 L	9000 L	6000 L	5000 L
	40K (70 CRI)		8,550	9,000	5,875	5,400		9000 L	9000 L	6000 L	5000 L
	50K (90 CRI)		5,825	6,125	4,000	3,670		6000 L	6000 L	4000 L	4000 L
	57K (70 CRI)		8,550	9,000	5,875	5,400		9000 L	9000 L	6000 L	5000 L
Q8/X8	30K (70 CRI)	53	7,850	8,250	5,400	4,940	50	8000 L	8000 L	5000 L	5000 L
	40K (70 CRI)		8,150	8,575	5,600	5,125		8000 L	9000 L	6000 L	5000 L
	50K (90 CRI)		5,550	5,850	3,830	3,500		6000 L	6000 L	4000 L	4000 L
	57K (70 CRI)		8,150	8,575	5,600	5,125		8000 L	9000 L	6000 L	5000 L
Q7/X7	30K (70 CRI)	50	7,500	7,900	5,175	4,730	50	8000 L	8000 L	5000 L	5000 L
	40K (70 CRI)		7,825	8,225	5,375	4,930		8000 L	8000 L	5000 L	5000 L
	50K (90 CRI)		5,325	5,600	3,660	3,350		5000 L	6000 L	4000 L	3000 L
	57K (70 CRI)		7,825	8,225	5,375	4,930		8000 L	8000 L	5000 L	5000 L
Q6/X6	30K (70 CRI)	48	7,275	7,650	5,000	4,580	50	7000 L	8000 L	5000 L	5000 L
	40K (70 CRI)		7,550	7,950	5,200	4,760		8000 L	8000 L	5000 L	5000 L
	50K (90 CRI)		5,150	5,425	3,550	3,250		5000 L	5000 L	4000 L	3000 L
	57K (70 CRI)		7,550	7,950	5,200	4,760		8000 L	8000 L	5000 L	5000 L
Q5/X5	30K (70 CRI)	43	6,650	7,000	4,580	4,190	40	7000 L	7000 L	5000 L	4000 L
	40K (70 CRI)		6,925	7,275	4,760	4,360		7000 L	7000 L	5000 L	4000 L
	50K (90 CRI)		4,710	4,950	3,240	2,960		5000 L	5000 L	3000 L	3000 L
	57K (70 CRI)		6,925	7,275	4,760	4,360		7000 L	7000 L	5000 L	4000 L
Q4/X4	30K (70 CRI)	40	6,025	6,350	4,150	3,800	40	6000 L	6000 L	4000 L	4000 L
	40K (70 CRI)		6,275	6,600	4,320	3,950		6000 L	7000 L	4000 L	4000 L
	50K (90 CRI)		4,280	4,500	2,940	2,700		4000 L	5000 L	3000 L	3000 L
	57K (70 CRI)		6,275	6,600	4,320	3,950		6000 L	7000 L	4000 L	4000 L
Q3/X3	30K (70 CRI)	36	5,575	5,875	3,840	3,520	40	6000 L	6000 L	4000 L	4000 L
	40K (70 CRI)		5,800	6,100	3,990	3,650		6000 L	6000 L	4000 L	4000 L
	50K (90 CRI)		3,940	4,150	2,710	2,490		4000 L	4000 L	3000 L	2000 L
	57K (70 CRI)		5,800	6,100	3,990	3,650		6000 L	6000 L	4000 L	4000 L
Q2/X2*	30K (70 CRI)	32	5,025	5,275	3,450	3,160	30	5000 L	5000 L	3000 L	3000 L
	40K (70 CRI)		5,225	5,500	3,600	3,290		5000 L	6000 L	4000 L	3000 L
	50K (90 CRI)		3,560	3,740	2,450	2,240		4000 L	4000 L	2000 L	2000 L
	57K (70 CRI)		5,225	5,500	3,600	3,290		5000 L	6000 L	4000 L	3000 L
Q1/X1*	30K (70 CRI)	29	4,430	4,660	3,050	2,790	30	4000 L	5000 L	3000 L	3000 L
	40K (70 CRI)		4,610	4,850	3,170	2,900		5000 L	5000 L	3000 L	3000 L
	50K (90 CRI)		3,140	3,300	2,160	1,980		3000 L	3000 L	2000 L	2000 L
	57K (70 CRI)		4,610	4,850	3,170	2,900		5000 L	5000 L	3000 L	3000 L

* X2 and X1 options not available with 9L lumen package with UL voltage.

Field Adjustable Output (Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:

The Field Adjustable Output option enables the OSQ area luminaires to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected Q setting and will be fully adjustable between the nine settings. When ordered with the N option, the luminaire will include an ANSI C136.15-2020 utility label that indicates the wattage (rounded to nearest 10W), the lumen output (rounded to nearest 1000 lumens), and the CCT of the luminaire at the selected lumen output. Additional dimming functionality is available when a dimming control (by others) is used in the 7-Pin receptacle.

Locked Lumen Output (X8/X7/X6/X5/X4/X3/X2/X1) Option Description:

The Locked Lumen Output option on this page permanently locks the lumen output on the OSQ area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected and will only be able to be adjusted down in the field through a dimming control (by others). When ordered with the N option, the luminaire will include a utility label that indicates the wattage, lumen output, and CCT of the setting selected.

Q & X Option Power & Lumen Data – 11L Lumen Package

Q/X Option Setting	CCT/CRI	System Watts 120-480V	Lumen Values				Utility Label Wattage	Utility Label Lumens			
			Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS		Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS
Q9 (Full Power)	30K (70 CRI)	68	10,025	10,550	6,900	6,325	70	10000 L	11000 L	7000 L	6000 L
	40K (70 CRI)		10,450	11,000	7,200	6,600		10000 L	11000 L	7000 L	7000 L
	50K (90 CRI)		7,100	7,475	4,890	4,480		7000 L	7000 L	5000 L	4000 L
	57K (70 CRI)		10,450	11,000	7,200	6,600		10000 L	11000 L	7000 L	7000 L
Q8/X8	30K (70 CRI)	65	9,575	10,075	6,600	6,025	70	10000 L	10000 L	7000 L	6000 L
	40K (70 CRI)		9,975	10,500	6,875	6,300		10000 L	11000 L	7000 L	6000 L
	50K (90 CRI)		6,775	7,125	4,660	4,270		7000 L	7000 L	5000 L	4000 L
	57K (70 CRI)		9,975	10,500	6,875	6,300		10000 L	11000 L	7000 L	6000 L
Q7/X7	30K (70 CRI)	62	9,175	9,650	6,300	5,775	60	9000 L	10000 L	6000 L	6000 L
	40K (70 CRI)		9,550	10,050	6,575	6,025		10000 L	10000 L	7000 L	6000 L
	50K (90 CRI)		6,500	6,825	4,460	4,090		7000 L	7000 L	4000 L	4000 L
	57K (70 CRI)		9,550	10,050	6,575	6,025		10000 L	10000 L	7000 L	6000 L
Q6/X6	30K (70 CRI)	59	8,875	9,325	6,100	5,575	60	9000 L	9000 L	6000 L	6000 L
	40K (70 CRI)		9,250	9,725	6,350	5,825		9000 L	10000 L	6000 L	6000 L
	50K (90 CRI)		6,275	6,600	4,320	3,950		6000 L	7000 L	4000 L	4000 L
	57K (70 CRI)		9,250	9,725	6,350	5,825		9000 L	10000 L	6000 L	6000 L
Q5/X5	30K (70 CRI)	53	8,100	8,525	5,575	5,100	50	8000 L	9000 L	6000 L	5000 L
	40K (70 CRI)		8,450	8,900	5,825	5,325		8000 L	9000 L	6000 L	5000 L
	50K (90 CRI)		5,750	6,050	3,960	3,620		6000 L	6000 L	4000 L	4000 L
	57K (70 CRI)		8,450	8,900	5,825	5,325		8000 L	9000 L	6000 L	5000 L
Q4/X4	30K (70 CRI)	49	7,375	7,750	5,075	4,640	50	7000 L	8000 L	5000 L	5000 L
	40K (70 CRI)		7,675	8,075	5,275	4,840		8000 L	8000 L	5000 L	5000 L
	50K (90 CRI)		5,200	5,475	3,580	3,280		5000 L	5000 L	4000 L	3000 L
	57K (70 CRI)		7,675	8,075	5,275	4,840		8000 L	8000 L	5000 L	5000 L
Q3/X3	30K (70 CRI)	44	6,800	7,150	4,680	4,280	40	7000 L	7000 L	5000 L	4000 L
	40K (70 CRI)		7,075	7,450	4,870	4,460		7000 L	7000 L	5000 L	4000 L
	50K (90 CRI)		4,820	5,075	3,320	3,040		5000 L	5000 L	3000 L	3000 L
	57K (70 CRI)		7,075	7,450	4,870	4,460		7000 L	7000 L	5000 L	4000 L
Q2/X2	30K (70 CRI)	39	6,100	6,425	4,200	3,850	40	6000 L	6000 L	4000 L	4000 L
	40K (70 CRI)		6,375	6,700	4,380	4,010		6000 L	7000 L	4000 L	4000 L
	50K (90 CRI)		4,330	4,560	2,980	2,730		4000 L	5000 L	3000 L	3000 L
	57K (70 CRI)		6,375	6,700	4,380	4,010		6000 L	7000 L	4000 L	4000 L
Q1/X1	30K (70 CRI)	35	5,400	5,675	3,710	3,400	40	5000 L	6000 L	4000 L	3000 L
	40K (70 CRI)		5,625	5,925	3,870	3,550		6000 L	6000 L	4000 L	4000 L
	50K (90 CRI)		3,830	4,030	2,640	2,410		4000 L	4000 L	3000 L	2000 L
	57K (70 CRI)		5,625	5,925	3,870	3,550		6000 L	6000 L	4000 L	4000 L

Field Adjustable Output (Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:

The Field Adjustable Output option enables the OSQ area luminaires to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected Q setting and will be fully adjustable between the nine settings. When ordered with the N option, the luminaire will include an ANSI C136.15-2020 utility label that indicates the wattage (rounded to nearest 10W), the lumen output (rounded to nearest 1000 lumens), and the CCT of the luminaire at the selected lumen output. Additional dimming functionality is available when a dimming control (by others) is used in the 7-Pin receptacle.

Locked Lumen Output (X8/X7/X6/X5/X4/X3/X2/X1) Option Description:

The Locked Lumen Output option on this page permanently locks the lumen output on the OSQ area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected and will only be able to be adjusted down in the field through a dimming control (by others). When ordered with the N option, the luminaire will include a utility label that indicates the wattage, lumen output, and CCT of the setting selected.

Q & X Option Power & Lumen Data – 16L Lumen Package

Q/X Option Setting	CCT/CRI	System Watts 120-480V	Lumen Values				Utility Label Wattage	Utility Label Lumens			
			Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS		Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS
Q9 (Full Power)	30K (70 CRI)	97	14,650	15,400	10,075	9,225	100	15000 L	15000 L	10000 L	9000 L
	40K (70 CRI)		15,200	16,000	10,450	9,575		15000 L	16000 L	10000 L	10000 L
	50K (90 CRI)		10,325	10,875	7,100	6,525		10000 L	11000 L	7000 L	7000 L
	57K (70 CRI)		15,200	16,000	10,450	9,575		15000 L	16000 L	10000 L	10000 L
Q8/X8	30K (70 CRI)	93	13,975	14,700	9,600	8,800	90	14000 L	15000 L	10000 L	9000 L
	40K (70 CRI)		14,550	15,300	10,000	9,175		15000 L	15000 L	10000 L	9000 L
	50K (90 CRI)		9,850	10,375	6,775	6,225		10000 L	10000 L	7000 L	6000 L
	57K (70 CRI)		14,550	15,300	10,000	9,175		15000 L	15000 L	10000 L	9000 L
Q7/X7	30K (70 CRI)	87	13,375	14,075	9,200	8,425	90	13000 L	14000 L	9000 L	8000 L
	40K (70 CRI)		13,900	14,625	9,575	8,750		14000 L	15000 L	10000 L	9000 L
	50K (90 CRI)		9,450	9,950	6,500	5,950		9000 L	10000 L	7000 L	6000 L
	57K (70 CRI)		13,900	14,625	9,575	8,750		14000 L	15000 L	10000 L	9000 L
Q6/X6	30K (70 CRI)	84	12,950	13,625	8,900	8,150	80	13000 L	14000 L	9000 L	8000 L
	40K (70 CRI)		13,450	14,150	9,250	8,475		13000 L	14000 L	9000 L	8000 L
	50K (90 CRI)		9,150	9,625	6,300	5,775		9000 L	10000 L	6000 L	6000 L
	57K (70 CRI)		13,450	14,150	9,250	8,475		13000 L	14000 L	9000 L	8000 L
Q5/X5	30K (70 CRI)	76	11,825	12,450	8,150	7,450	80	12000 L	12000 L	8000 L	7000 L
	40K (70 CRI)		12,275	12,925	8,450	7,750		12000 L	13000 L	8000 L	8000 L
	50K (90 CRI)		8,350	8,775	5,750	5,250		8000 L	9000 L	6000 L	5000 L
	57K (70 CRI)		12,275	12,925	8,450	7,750		12000 L	13000 L	8000 L	8000 L
Q4/X4	30K (70 CRI)	70	10,750	11,300	7,400	6,775	70	11000 L	11000 L	7000 L	7000 L
	40K (70 CRI)		11,175	11,750	7,675	7,025		11000 L	12000 L	8000 L	7000 L
	50K (90 CRI)		7,575	7,975	5,225	4,780		8000 L	8000 L	5000 L	5000 L
	57K (70 CRI)		11,175	11,750	7,675	7,025		11000 L	12000 L	8000 L	7000 L
Q3/X3	30K (70 CRI)	62	9,925	10,450	6,825	6,250	60	10000 L	10000 L	7000 L	6000 L
	40K (70 CRI)		10,325	10,850	7,100	6,500		10000 L	11000 L	7000 L	7000 L
	50K (90 CRI)		7,000	7,375	4,820	4,420		7000 L	7000 L	5000 L	4000 L
	57K (70 CRI)		10,325	10,850	7,100	6,500		10000 L	11000 L	7000 L	7000 L
Q2/X2	30K (70 CRI)	55	8,925	9,400	6,150	5,625	60	9000 L	9000 L	6000 L	6000 L
	40K (70 CRI)		9,275	9,750	6,375	5,850		9000 L	10000 L	6000 L	6000 L
	50K (90 CRI)		6,300	6,625	4,330	3,970		6000 L	7000 L	4000 L	4000 L
	57K (70 CRI)		9,275	9,750	6,375	5,850		9000 L	10000 L	6000 L	6000 L
Q1*	30K (70 CRI)	50	7,900	8,300	5,425	4,970	50	8000 L	8000 L	5000 L	5000 L
	40K (70 CRI)		8,200	8,625	5,650	5,175		8000 L	9000 L	6000 L	5000 L
	50K (90 CRI)		5,550	5,850	3,830	3,500		6000 L	6000 L	4000 L	4000 L
	57K (70 CRI)		8,200	8,625	5,650	5,175		8000 L	9000 L	6000 L	5000 L

* X1 option not available with 16L lumen package.

Field Adjustable Output (Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:

The Field Adjustable Output option enables the OSQ area luminaires to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected Q setting and will be fully adjustable between the nine settings. When ordered with the N option, the luminaire will include an ANSI C136.15-2020 utility label that indicates the wattage (rounded to nearest 10W), the lumen output (rounded to nearest 1000 lumens), and the CCT of the luminaire at the selected lumen output. Additional dimming functionality is available when a dimming control (by others) is used in the 7-Pin receptacle.

Locked Lumen Output (X8/X7/X6/X5/X4/X3/X2/X1) Option Description:

The Locked Lumen Output option on this page permanently locks the lumen output on the OSQ area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected and will only be able to be adjusted down in the field through a dimming control (by others). When ordered with the N option, the luminaire will include a utility label that indicates the wattage, lumen output, and CCT of the setting selected.

Q & X Option Power & Lumen Data – 22L Lumen Package

Q/X Option Setting	CCT/CRI	System Watts 120-480V	Lumen Values				Utility Label Wattage	Utility Label Lumens			
			Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS		Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS
Q9 (Full Power)	30K (70 CRI)	131	20,100	21,100	13,800	12,625	130	20000 L	21000 L	14000 L	13000 L
	40K (70 CRI)		20,900	22,000	14,375	13,175		21000 L	22000 L	14000 L	13000 L
	50K (90 CRI)		14,200	14,950	9,775	8,950		14000 L	15000 L	10000 L	9000 L
	57K (70 CRI)		20,900	22,000	14,375	13,175		21000 L	22000 L	14000 L	13000 L
Q8/X8	30K (70 CRI)	126	19,100	20,100	13,150	12,050	130	19000 L	20000 L	13000 L	12000 L
	40K (70 CRI)		20,000	21,000	13,725	12,575		20000 L	21000 L	14000 L	13000 L
	50K (90 CRI)		13,550	14,250	9,325	8,525		14000 L	14000 L	9000 L	9000 L
	57K (70 CRI)		20,000	21,000	13,725	12,575		20000 L	21000 L	14000 L	13000 L
Q7/X7	30K (70 CRI)	119	18,300	19,300	12,625	11,550	120	18000 L	19000 L	13000 L	12000 L
	40K (70 CRI)		19,100	20,100	13,150	12,050		19000 L	20000 L	13000 L	12000 L
	50K (90 CRI)		13,000	13,675	8,950	8,200		13000 L	14000 L	9000 L	8000 L
	57K (70 CRI)		19,100	20,100	13,150	12,050		19000 L	20000 L	13000 L	12000 L
Q6/X6	30K (70 CRI)	114	17,800	18,700	12,225	11,200	110	18000 L	19000 L	12000 L	11000 L
	40K (70 CRI)		18,400	19,400	12,675	11,625		18000 L	19000 L	13000 L	12000 L
	50K (90 CRI)		12,575	13,225	8,650	7,925		13000 L	13000 L	9000 L	8000 L
	57K (70 CRI)		18,400	19,400	12,675	11,625		18000 L	19000 L	13000 L	12000 L
Q5/X5	30K (70 CRI)	103	16,200	17,000	11,125	10,175	100	16000 L	17000 L	11000 L	10000 L
	40K (70 CRI)		16,900	17,800	11,650	10,650		17000 L	18000 L	12000 L	11000 L
	50K (90 CRI)		11,475	12,075	7,900	7,225		11000 L	12000 L	8000 L	7000 L
	57K (70 CRI)		16,900	17,800	11,650	10,650		17000 L	18000 L	12000 L	11000 L
Q4/X4	30K (70 CRI)	95	14,725	15,500	10,125	9,275	100	15000 L	16000 L	10000 L	9000 L
	40K (70 CRI)		15,300	16,100	10,525	9,650		15000 L	16000 L	11000 L	10000 L
	50K (90 CRI)		10,425	10,975	7,175	6,575		10000 L	11000 L	7000 L	7000 L
	57K (70 CRI)		15,300	16,100	10,525	9,650		15000 L	16000 L	11000 L	10000 L
Q3/X3	30K (70 CRI)	84	13,600	14,300	9,350	8,575	80	14000 L	14000 L	9000 L	9000 L
	40K (70 CRI)		14,175	14,925	9,750	8,950		14000 L	15000 L	10000 L	9000 L
	50K (90 CRI)		9,625	10,125	6,625	6,075		10000 L	10000 L	7000 L	6000 L
	57K (70 CRI)		14,175	14,925	9,750	8,950		14000 L	15000 L	10000 L	9000 L
Q2/X2	30K (70 CRI)	75	12,250	12,875	8,425	7,700	80	12000 L	13000 L	8000 L	8000 L
	40K (70 CRI)		12,750	13,425	8,775	8,050		13000 L	13000 L	9000 L	8000 L
	50K (90 CRI)		8,675	9,125	5,975	5,475		9000 L	9000 L	6000 L	5000 L
	57K (70 CRI)		12,750	13,425	8,775	8,050		13000 L	13000 L	9000 L	8000 L
Q1/X1	30K (70 CRI)	68	10,825	11,375	7,450	6,825	70	11000 L	11000 L	7000 L	7000 L
	40K (70 CRI)		11,275	11,850	7,750	7,100		11000 L	12000 L	8000 L	7000 L
	50K (90 CRI)		7,650	8,050	5,275	4,820		8000 L	8000 L	5000 L	5000 L
	57K (70 CRI)		11,275	11,850	7,750	7,100		11000 L	12000 L	8000 L	7000 L

Field Adjustable Output (Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:

The Field Adjustable Output option enables the OSQ area luminaires to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected Q setting and will be fully adjustable between the nine settings. When ordered with the N option, the luminaire will include an ANSI C136.15-2020 utility label that indicates the wattage (rounded to nearest 10W), the lumen output (<= 24,000 lumens rounded to nearest 1000 lumens, > 24,001 lumens rounded to the nearest 2000 lumens), and the CCT of the luminaire at the selected lumen output. Additional dimming functionality is available when a dimming control (by others) is used in the 7-Pin receptacle.

Locked Lumen Output (X8/X7/X6/X5/X4/X3/X2/X1) Option Description:

The Locked Lumen Output option on this page permanently locks the lumen output on the OSQ area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected and will only be able to be adjusted down in the field through a dimming control (by others). When ordered with the N option, the luminaire will include a utility label that indicates the wattage, lumen output, and CCT of the setting selected.

Q & X Option Power & Lumen Data – 30L Lumen Package

Q/X Option Setting	CCT/CRI	System Watts 120-480V	Lumen Values				Utility Label Wattage	Utility Label Lumens			
			Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS		Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS
Q9 (Full Power)	30K (70 CRI)	175	27,400	28,800	18,800	17,200	130	28000 L	28000 L	19000 L	17000 L
	40K (70 CRI)		28,500	30,000	19,600	18,000		28000 L	30000 L	20000 L	18000 L
	50K (90 CRI)		19,400	20,400	13,350	12,225		19000 L	20000 L	13000 L	12000 L
	57K (70 CRI)		28,500	30,000	19,600	18,000		28000 L	30000 L	20000 L	18000 L
Q8/X8	30K (70 CRI)	168	26,100	27,500	18,000	16,500	170	26000 L	28000 L	18000 L	17000 L
	40K (70 CRI)		27,200	28,600	18,700	17,100		28000 L	28000 L	19000 L	17000 L
	50K (90 CRI)		18,500	19,500	12,750	11,675		19000 L	20000 L	13000 L	12000 L
	57K (70 CRI)		27,200	28,600	18,700	17,100		28000 L	28000 L	19000 L	17000 L
Q7/X7	30K (70 CRI)	158	25,000	26,300	17,200	15,800	160	26000 L	26000 L	17000 L	16000 L
	40K (70 CRI)		26,000	27,400	17,900	16,400		26000 L	28000 L	18000 L	16000 L
	50K (90 CRI)		17,700	18,600	12,150	11,150		18000 L	19000 L	12000 L	11000 L
	57K (70 CRI)		26,000	27,400	17,900	16,400		26000 L	28000 L	18000 L	16000 L
Q6/X6	30K (70 CRI)	152	24,200	25,500	16,700	15,300	150	24000 L	26000 L	17000 L	15000 L
	40K (70 CRI)		25,200	26,500	17,300	15,900		26000 L	26000 L	17000 L	16000 L
	50K (90 CRI)		17,100	18,000	11,775	10,775		17000 L	18000 L	12000 L	11000 L
	57K (70 CRI)		25,200	26,500	17,300	15,900		26000 L	26000 L	17000 L	16000 L
Q5/X5	30K (70 CRI)	137	22,100	23,300	15,200	13,950	140	22000 L	23000 L	15000 L	14000 L
	40K (70 CRI)		23,000	24,200	15,800	14,500		23000 L	24000 L	16000 L	15000 L
	50K (90 CRI)		15,700	16,500	10,800	9,875		16000 L	17000 L	11000 L	10000 L
	57K (70 CRI)		23,000	24,200	15,800	14,500		23000 L	24000 L	16000 L	15000 L
Q4/X4	30K (70 CRI)	126	20,100	21,100	13,800	12,625	130	20000 L	21000 L	14000 L	13000 L
	40K (70 CRI)		20,900	22,000	14,375	13,175		21000 L	22000 L	14000 L	13000 L
	50K (90 CRI)		14,225	14,975	9,800	8,975		14000 L	15000 L	10000 L	9000 L
	57K (70 CRI)		20,900	22,000	14,375	13,175		21000 L	22000 L	14000 L	13000 L
Q3/X3	30K (70 CRI)	113	18,500	19,500	12,750	11,675	110	19000 L	20000 L	13000 L	12000 L
	40K (70 CRI)		19,300	20,300	13,275	12,150		19000 L	20000 L	13000 L	12000 L
	50K (90 CRI)		13,150	13,825	9,050	8,275		13000 L	14000 L	9000 L	8000 L
	57K (70 CRI)		19,300	20,300	13,275	12,150		19000 L	20000 L	13000 L	12000 L
Q2/X2	30K (70 CRI)	100	16,700	17,600	11,500	10,550	100	17000 L	18000 L	12000 L	11000 L
	40K (70 CRI)		17,400	18,300	11,975	10,950		17000 L	18000 L	12000 L	11000 L
	50K (90 CRI)		11,825	12,450	8,150	7,450		12000 L	12000 L	8000 L	7000 L
	57K (70 CRI)		17,400	18,300	11,975	10,950		17000 L	18000 L	12000 L	11000 L
Q1*	30K (70 CRI)	90	14,725	15,500	10,125	9,275	90	15000 L	16000 L	10000 L	9000 L
	40K (70 CRI)		15,400	16,200	10,600	9,700		15000 L	16000 L	11000 L	10000 L
	50K (90 CRI)		10,450	11,000	7,200	6,600		10000 L	11000 L	7000 L	7000 L
	57K (70 CRI)		15,400	16,200	10,600	9,700		15000 L	16000 L	11000 L	10000 L

* X1 option not available with 30L lumen package.

Field Adjustable Output (Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:

The Field Adjustable Output option enables the OSQ area luminaires to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected Q setting and will be fully adjustable between the nine settings. When ordered with the N option, the luminaire will include an ANSI C136.15-2020 utility label that indicates the wattage (rounded to nearest 10W), the lumen output (<= 24,000 lumens rounded to nearest 1000 lumens, > 24,001 lumens rounded to the nearest 2000 lumens), and the CCT of the luminaire at the selected lumen output. Additional dimming functionality is available when a dimming control (by others) is used in the 7-Pin receptacle.

Locked Lumen Output (X8/X7/X6/X5/X4/X3/X2/X1) Option Description:

The Locked Lumen Output option on this page permanently locks the lumen output on the OSQ area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected and will only be able to be adjusted down in the field through a dimming control (by others). When ordered with the N option, the luminaire will include a utility label that indicates the wattage, lumen output, and CCT of the setting selected.

Q & X Option Power & Lumen Data – 40L Lumen Package

Q/X Option Setting	CCT/CRI	System Watts 120-480V	Lumen Values				Utility Label Wattage	Utility Label Lumens			
			Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS		Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS
Q9 (Full Power)	30K (70 CRI)	236	36,500	38,400	25,100	23,000	130	36000 L	38000 L	26000 L	23000 L
	40K (70 CRI)		38,000	40,000	26,200	24,000		38000 L	40000 L	26000 L	24000 L
	50K (90 CRI)		25,900	27,200	17,800	16,300		26000 L	28000 L	18000 L	16000 L
	57K (70 CRI)		38,000	40,000	26,200	24,000		38000 L	40000 L	26000 L	24000 L
Q8/X8	30K (70 CRI)	212	34,800	36,600	23,900	21,900	210	34000 L	36000 L	24000 L	22000 L
	40K (70 CRI)		36,300	38,200	25,000	22,900		36000 L	38000 L	26000 L	23000 L
	50K (90 CRI)		24,600	25,900	16,900	15,500		24000 L	26000 L	17000 L	16000 L
	57K (70 CRI)		36,300	38,200	25,000	22,900		36000 L	38000 L	26000 L	23000 L
Q7/X7	30K (70 CRI)	203	33,400	35,100	23,000	21,000	200	34000 L	36000 L	23000 L	21000 L
	40K (70 CRI)		34,800	36,600	23,900	21,900		34000 L	36000 L	24000 L	22000 L
	50K (90 CRI)		23,700	24,900	16,300	14,925		24000 L	24000 L	16000 L	15000 L
	57K (70 CRI)		34,800	36,600	23,900	21,900		34000 L	36000 L	24000 L	22000 L
Q6/X6	30K (70 CRI)	195	32,200	33,900	22,200	20,300	200	32000 L	34000 L	22000 L	20000 L
	40K (70 CRI)		33,600	35,400	23,100	21,200		34000 L	36000 L	23000 L	21000 L
	50K (90 CRI)		22,800	24,000	15,700	14,375		23000 L	24000 L	16000 L	14000 L
	57K (70 CRI)		33,600	35,400	23,100	21,200		34000 L	36000 L	23000 L	21000 L
Q5/X5	30K (70 CRI)	176	29,500	31,000	20,300	18,600	180	30000 L	32000 L	20000 L	19000 L
	40K (70 CRI)		30,700	32,300	21,100	19,300		30000 L	32000 L	21000 L	19000 L
	50K (90 CRI)		20,900	22,000	14,375	13,175		21000 L	22000 L	14000 L	13000 L
	57K (70 CRI)		30,700	32,300	21,100	19,300		30000 L	32000 L	21000 L	19000 L
Q4/X4	30K (70 CRI)	160	26,800	28,200	18,400	16,900	160	26000 L	28000 L	18000 L	17000 L
	40K (70 CRI)		27,900	29,400	19,200	17,600		28000 L	30000 L	19000 L	18000 L
	50K (90 CRI)		19,000	20,000	13,075	11,975		19000 L	20000 L	13000 L	12000 L
	57K (70 CRI)		27,900	29,400	19,200	17,600		28000 L	30000 L	19000 L	18000 L
Q3/X3	30K (70 CRI)	144	24,700	26,000	17,000	15,600	140	24000 L	26000 L	17000 L	16000 L
	40K (70 CRI)		25,800	27,100	17,700	16,200		26000 L	28000 L	18000 L	16000 L
	50K (90 CRI)		17,500	18,400	12,025	11,025		18000 L	18000 L	12000 L	11000 L
	57K (70 CRI)		25,800	27,100	17,700	16,200		26000 L	28000 L	18000 L	16000 L
Q2/X2	30K (70 CRI)	129	22,200	23,400	15,300	14,025	130	22000 L	23000 L	15000 L	14000 L
	40K (70 CRI)		23,200	24,400	16,000	14,625		23000 L	24000 L	16000 L	15000 L
	50K (90 CRI)		15,800	16,600	10,850	9,950		16000 L	17000 L	11000 L	10000 L
	57K (70 CRI)		23,200	24,400	16,000	14,625		23000 L	24000 L	16000 L	15000 L
Q1/X1	30K (70 CRI)	111	19,700	20,700	13,525	12,400	110	20000 L	21000 L	14000 L	12000 L
	40K (70 CRI)		20,500	21,600	14,125	12,925		21000 L	22000 L	14000 L	13000 L
	50K (90 CRI)		13,925	14,650	9,575	8,775		14000 L	15000 L	10000 L	9000 L
	57K (70 CRI)		20,500	21,600	14,125	12,925		21000 L	22000 L	14000 L	13000 L

Field Adjustable Output (Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:

The Field Adjustable Output option enables the OSQ area luminaires to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected Q setting and will be fully adjustable between the nine settings.

Locked Lumen Output (X8/X7/X6/X5/X4/X3/X2/X1) Option Description:

The Locked Lumen Output option on this page permanently locks the lumen output on the OSQ area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected and will only be able to be adjusted down in the field through a dimming control [by others].

Q & X Option Power & Lumen Data – 50L Lumen Package

Q/X Option Setting	CCT/CRI	System Watts 120-480V	Lumen Values			
			Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS
Q9 (Full Power)	30K (70 CRI)	297	45,600	48,000	31,400	28,700
	40K (70 CRI)		47,500	50,000	32,700	29,900
	50K (90 CRI)		32,300	34,000	22,200	20,400
	57K (70 CRI)		47,500	50,000	32,700	29,900
Q8/X8	30K (70 CRI)	285	43,500	45,800	29,900	27,400
	40K (70 CRI)		45,300	47,700	31,200	28,600
	50K (90 CRI)		30,800	32,400	21,200	19,400
	57K (70 CRI)		45,300	47,700	31,200	28,600
Q7/X7	30K (70 CRI)	269	41,700	43,900	28,700	26,300
	40K (70 CRI)		43,400	45,700	29,900	27,400
	50K (90 CRI)		29,600	31,100	20,300	18,600
	57K (70 CRI)		43,400	45,700	29,900	27,400
Q6/X6	30K (70 CRI)	258	40,300	42,400	27,700	25,400
	40K (70 CRI)		42,000	44,200	28,900	26,500
	50K (90 CRI)		28,600	30,100	19,700	18,000
	57K (70 CRI)		42,000	44,200	28,900	26,500
Q5/X5	30K (70 CRI)	233	36,900	38,800	25,400	23,200
	40K (70 CRI)		38,400	40,400	26,400	24,200
	50K (90 CRI)		26,100	27,500	18,000	16,500
	57K (70 CRI)		38,400	40,400	26,400	24,200
Q4/X4	30K (70 CRI)	215	33,500	35,200	23,000	21,100
	40K (70 CRI)		34,900	36,700	24,000	22,000
	50K (90 CRI)		23,800	25,000	16,300	14,975
	57K (70 CRI)		34,900	36,700	24,000	22,000
Q3/X3	30K (70 CRI)	191	30,900	32,500	21,300	19,500
	40K (70 CRI)		32,200	33,900	22,200	20,300
	50K (90 CRI)		22,000	23,100	15,100	13,825
	57K (70 CRI)		32,200	33,900	22,200	20,300
Q2/X2	30K (70 CRI)	170	27,900	29,300	19,200	17,500
	40K (70 CRI)		29,000	30,500	19,900	18,300
	50K (90 CRI)		19,700	20,700	13,525	12,400
	57K (70 CRI)		29,000	30,500	19,900	18,300
Q1/X1	30K (70 CRI)	153	24,600	25,900	16,900	15,500
	40K (70 CRI)		25,700	27,000	17,700	16,200
	50K (90 CRI)		17,400	18,300	11,975	10,950
	57K (70 CRI)		25,700	27,000	17,700	16,200

Field Adjustable Output (Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:

The Field Adjustable Output option enables the OSQ area luminaires to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected Q setting and will be fully adjustable between the nine settings.

Locked Lumen Output (X8/X7/X6/X5/X4/X3/X2/X1) Option Description:

The Locked Lumen Output option on this page permanently locks the lumen output on the OSQ area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected and will only be able to be adjusted down in the field through a dimming control [by others].

Q & X Option Power & Lumen Data – 65L Lumen Package

Q/X Option Setting	CCT/CRI	System Watts 120-480V	Lumen Values			
			Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS
Q9 (Full Power)	30K (70 CRI)	384	59,300	62,400	40,800	37,400
	40K (70 CRI)		61,800	65,000	42,500	38,900
	50K (90 CRI)		42,000	44,200	28,900	26,500
	57K (70 CRI)		61,800	65,000	42,500	38,900
Q8/X8	30K (70 CRI)	365	56,600	59,500	38,900	35,600
	40K (70 CRI)		58,900	62,000	40,500	37,100
	50K (90 CRI)		40,100	42,200	27,600	25,300
	57K (70 CRI)		58,900	62,000	40,500	37,100
Q7/X7	30K (70 CRI)	347	54,200	57,000	37,300	34,100
	40K (70 CRI)		56,500	59,400	38,800	35,600
	50K (90 CRI)		38,400	40,400	26,400	24,200
	57K (70 CRI)		56,500	59,400	38,800	35,600
Q6/X6	30K (70 CRI)	332	52,500	55,200	36,100	33,100
	40K (70 CRI)		54,700	57,500	37,600	34,400
	50K (90 CRI)		37,200	39,100	25,600	23,400
	57K (70 CRI)		54,700	57,500	37,600	34,400
Q5/X5	30K (70 CRI)	301	47,900	50,400	33,000	30,200
	40K (70 CRI)		49,900	52,500	34,300	31,400
	50K (90 CRI)		33,900	35,700	23,300	21,400
	57K (70 CRI)		49,900	52,500	34,300	31,400
Q4/X4	30K (70 CRI)	276	43,500	45,800	29,900	27,400
	40K (70 CRI)		45,300	47,700	31,200	28,600
	50K (90 CRI)		30,800	32,400	21,200	19,400
	57K (70 CRI)		45,300	47,700	31,200	28,600
Q3/X3	30K (70 CRI)	247	40,200	42,300	27,700	25,300
	40K (70 CRI)		41,900	44,100	28,800	26,400
	50K (90 CRI)		28,500	30,000	19,600	18,000
	57K (70 CRI)		41,900	44,100	28,800	26,400
Q2/X2	30K (70 CRI)	220	36,200	38,100	24,900	22,800
	40K (70 CRI)		37,700	39,700	26,000	23,800
	50K (90 CRI)		25,700	27,000	17,700	16,200
	57K (70 CRI)		37,700	39,700	26,000	23,800
Q1*	30K (70 CRI)	195	31,900	33,600	22,000	20,100
	40K (70 CRI)		33,300	35,000	22,900	21,000
	50K (90 CRI)		22,600	23,800	15,600	14,250
	57K (70 CRI)		33,300	35,000	22,900	21,000

* X1 option not available with 65L lumen package.

Field Adjustable Output (Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:

The Field Adjustable Output option enables the OSQ area luminaires to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected Q setting and will be fully adjustable between the nine settings.

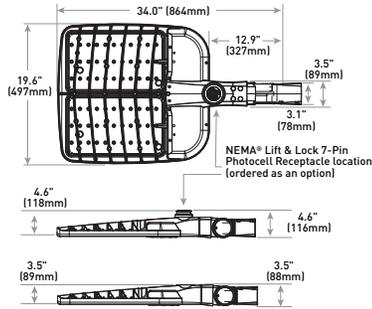
Locked Lumen Output (X8/X7/X6/X5/X4/X3/X2/X1) Option Description:

The Locked Lumen Output option on this page permanently locks the lumen output on the OSQ area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected and will only be able to be adjusted down in the field through a dimming control [by others].

Q & X Option Power & Lumen Data – 75L Lumen Package

Q/X Option Setting	CCT/CRI	System Watts 120-480V	Lumen Values			
			Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS
Q9 (Full Power)	30K (70 CRI)	447	68,400	72,000	47,100	43,100
	40K (70 CRI)		71,300	75,000	49,000	44,900
	50K (90 CRI)		48,500	51,000	33,300	30,500
	57K (70 CRI)		71,300	75,000	49,000	44,900
Q8/X8	30K (70 CRI)	426	65,300	68,700	44,900	41,100
	40K (70 CRI)		68,100	71,600	46,800	42,900
	50K (90 CRI)		46,300	48,700	31,800	29,200
	57K (70 CRI)		68,100	71,600	46,800	42,900
Q7/X7	30K (70 CRI)	404	62,500	65,800	43,000	39,400
	40K (70 CRI)		65,200	68,600	44,900	41,100
	50K (90 CRI)		44,300	46,600	30,500	27,900
	57K (70 CRI)		65,200	68,600	44,900	41,100
Q6/X6	30K (70 CRI)	387	60,500	63,600	41,600	38,100
	40K (70 CRI)		63,000	66,300	43,400	39,700
	50K (90 CRI)		42,900	45,100	29,500	27,000
	57K (70 CRI)		63,000	66,300	43,400	39,700
Q5/X5	30K (70 CRI)	350	55,300	58,200	38,100	34,900
	40K (70 CRI)		57,600	60,600	39,600	36,300
	50K (90 CRI)		39,200	41,200	26,900	24,700
	57K (70 CRI)		57,600	60,600	39,600	36,300
Q4/X4	30K (70 CRI)	321	50,200	52,800	34,500	31,600
	40K (70 CRI)		52,400	55,100	36,000	33,000
	50K (90 CRI)		35,600	37,400	24,500	22,400
	57K (70 CRI)		52,400	55,100	36,000	33,000
Q3/X3	30K (70 CRI)	287	46,400	48,800	31,900	29,200
	40K (70 CRI)		48,400	50,900	33,300	30,500
	50K (90 CRI)		32,900	34,600	22,600	20,700
	57K (70 CRI)		48,400	50,900	33,300	30,500
Q2/X2	30K (70 CRI)	256	41,700	43,900	28,700	26,300
	40K (70 CRI)		43,500	45,800	29,900	27,400
	50K (90 CRI)		29,600	31,100	20,300	18,600
	57K (70 CRI)		43,500	45,800	29,900	27,400
Q1/X1	30K (70 CRI)	227	36,900	38,800	25,400	23,200
	40K (70 CRI)		38,400	40,400	26,400	24,200
	50K (90 CRI)		26,100	27,500	18,000	16,500
	57K (70 CRI)		38,400	40,400	26,400	24,200

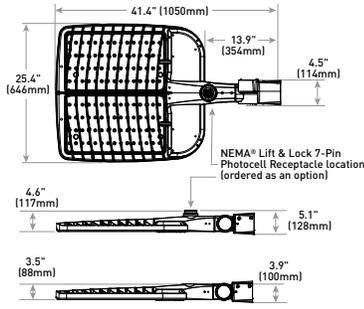
OSQL - AA Mount



Luminaire	Weight
OSQL	28.4 lbs. (12.9kg)

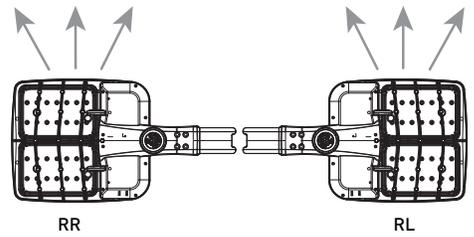
Note: For OSQM w/AA mount, refer to drawing on page 1.

OSQX - AA Mount

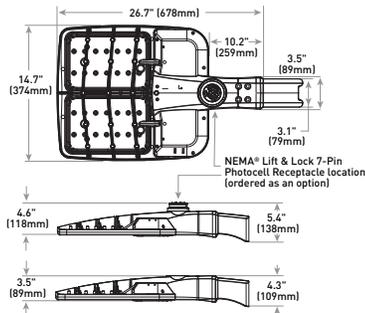


Luminaire	Weight
OSQX	48.6 lbs. (22.0kg)

RR/RL Configuration



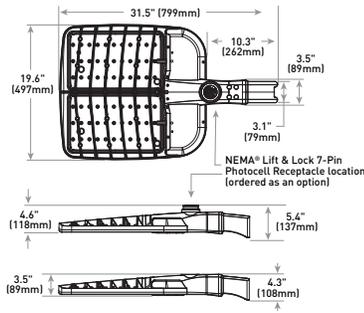
OSQM - DA Mount



Luminaire	Weight
OSQM	19.7 lbs. (8.9kg)

Note: Refer to page 14 for fixture mounting drill pattern.

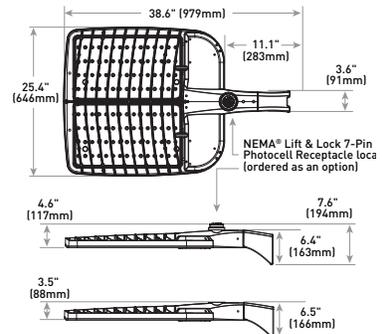
OSQL - DA Mount



Luminaire	Weight
OSQL	28.8 lbs. (13.1kg)

Note: Refer to page 14 for fixture mounting drill pattern.

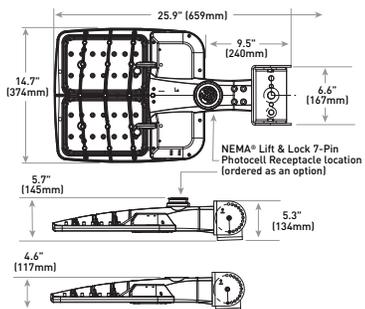
OSQX-DA Mount



Luminaire	Weight
OSQX	45.8 lbs. (20.8kg)

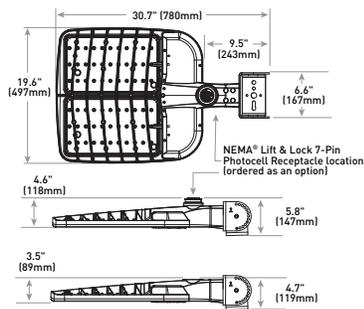
Note: Refer to page 14 for fixture mounting drill pattern.

OSQM - Trunnion Mount



Luminaire	Weight
OSQM	23.2 lbs. (10.5kg)

OSQL - Trunnion Mount



Luminaire	Weight
OSQL	32.3 lbs. (14.7kg)

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OSQ Series

OSQ™ LED Area/Flood Luminaire featuring Patented NanoComfort™ Technology – Version C

Rev. Date: V3 04/17/2023

GC TO SEE NOTES BELOW

Product Description

The OSQ™ Area/Flood luminaire blends extreme optical control, advanced thermal management and modern, clean aesthetics. Built to last, the housing is rugged cast aluminum with an integral, weathertight LED driver compartment. Versatile mounting configurations offer simple installation. Its slim, low-profile design minimizes wind load requirements and blends seamlessly into the site providing even, quality illumination. Medium is suitable upgrade for HID applications up to 400 Watts. Large is suitable upgrade for HID applications up to 1000 Watts. Extra Large is suitable upgrade for HID applications up to multiple 1000 Watts.

Applications: Parking lots, walkways, campuses, car dealerships, office complexes, high-mast and internal roadways

Performance Summary

Utilizes Patented NanoComfort™ Technology

Utilizes Cree TrueWhite® Technology on 5000K Luminaires

Assembled in the USA by Cree Lighting from US and imported parts

Initial Delivered Lumens: 4,000 - 75,000

Efficacy: Up to 171 LPW

CRI: Minimum 70 CRI (3000K, 4000K & 5700K); 90 CRI (5000K)

CCT: 3000K, 4000K, 5000K, 5700K

Limited Warranty*: 10 years for luminaire; 10 years for Colorfast DeltaGuard® finish; 5 years for BML sensor; up to 5 years for Synapse® accessories; 1 year for luminaire accessories

* See <http://creelighting.com/warranty> for warranty terms. For Synapse accessories, consult Synapse spec sheets for details on warranty terms.

Ordering Information

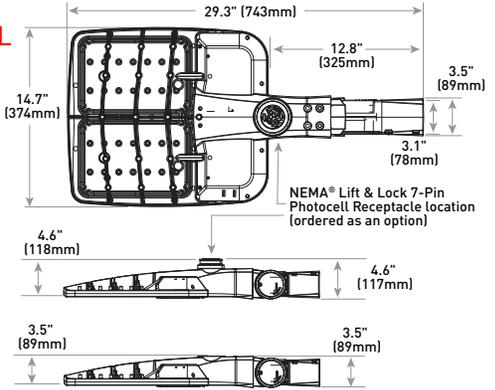
Fully assembled luminaire is composed of two components that must be ordered separately:

Example: **Mount:** OSQ-ML-C-AA-BK + **Luminaire:** OSQM-C-4L-30K7-2M-UL-NM-BK

Mount (Luminaire must be ordered separately)*			
OSQ-			
Medium/Large Mounts	Extra Large Mounts	Color Options:	SV Silver BZ Bronze WH White
OSQ-ML-C-AA Adjustable Arm	OSQ-X-C-AA Adjustable Arm	BK Black	
OSQ-ML-C-DA Direct Arm	OSQ-X-C-DA Direct Arm	WH White	
OSQ-ML-C-TM Trunnion Mount			

* Reference fixture mounting drill pattern, EPA, and pole configuration suitability data beginning on page 14.

OSQM - AA Mount



Luminaire	Weight
OSQM	19.3 lbs. (8.8kg)

Note: For OSQL, OSQX and additional mounts, refer to drawings beginning on page 26.

GC TO REFERENCE PLANS FOR COLOR DESIGNATION

Luminaire (Mount must be ordered separately)

OSQ	C	Series	Lumen Package ¹	CCT/ CRI	Optic	Voltage	Mount	Color Options	Controls*	Options											
OSQ	M Medium L Large X Extra Large	C	Medium 4L 4,000 Lumens 6L 6,000 Lumens 9L 9,000 Lumens 11L 11,000 Lumens 16L 16,000 Lumens	30K7 3000K, 70 CRI 40K7 4000K, 70 CRI 50K9 5000K, 90 CRI 57K7 5700K, 70 CRI	Asymmetric 2M Type II Mid 2B Type II Mid w/ Factory-Installed Backlight Shield 3M Type III Mid 3B Type III Mid w/ Factory-Installed Backlight Shield 4M Type IV Mid	4B Type IV Mid w/ Factory- Installed Backlight Shield AF Automotive FrontlineOptic™ AB Automotive- FrontlineOptic™ w/Factory- Installed Backlight Shield	UL Universal 120-277V UH Universal 347-480V - Not available with 4L, 40L or 75L lumen packages UE Universal 277-480V - Available only with 40L and 75L lumen packages	NM No Mount - Must specify mount from table above - Mount ships separately	BK Black BZ Bronze SV Silver WH White	BML Bluetooth® Technology Enabled Multi-Level Sensor - Utilizes a multifunction sensor - Refer to BML spec sheet for details - 20-40° sensor lens installed on luminaire; 8-20° sensor lens and aisle shroud included - Intended for downlight applications at 0° tilt - Not available with Q or X options or Synapse TL7-B2 or TL7-HVG accessories Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1 Field Adjustable Output - Must select Q9, Q8, Q7, Q6, Q5, Q4, Q3, Q2, or Q1 - Offers full range adjustability - Refer to pages 15-25 for power and lumen values - Not available with BML or X options or Synapse TL7-B2 or TL7-HVG accessories X8/X7/X6/X5/X4/X3/X2/X1 Locked Lumen Output - Must select X8, X7, X6, X5, X4, X3, X2, or X1 - Not available with BML or Q options - X1 option not available with the following lumen package/voltage offerings: 9L/UL, 16L/UL, 16L/UH, 30L/UL, 30L/UH, 65L/UL, 65L/UH - X2 option not available 9L/UL lumen package/voltage - Lumen output is permanently locked to the setting selected - Refer to pages 15-25 for power and lumen values	20KV 20kV/10kA Surge Suppression - Replaces standard 10kV/5kA surge protection F Fuse - Compatible with 120V, 277V or 347V (phase to neutral) - Consult factory if fusing is required for 208V, 240V or 480V (phase to phase) N Utility Label and NEMA® Lift & Lock 7-Pin Photocell Receptacle - External utility label per ANSI C136.15-2020 - 7-pin receptacle per ANSI C136.41 - Available only with OSQM & OSQL luminaires - Intended for downlight applications with maximum 45° tilt - Factory connected 0-10V dim leads - Requires photocell or shorting cap by others R NEMA® Lift & Lock 7-Pin Photocell Receptacle - 7-pin receptacle per ANSI C136.41 - Intended for downlight applications with maximum 45° tilt - Factory connected 0-10V dim leads - Requires photocell or shorting cap by others - Refer to page 2 for compatible Synapse control offerings RL Rotate Left - LED and optic are rotated to the left - Refer to RR/RL configuration diagram on page 26 for optic directionality - Not for use with symmetric optics RR Rotate Right - LED and optic are rotated to the right - Refer to RR/RL configuration diagram on page 26 for optic directionality - Not for use with symmetric optics										
												Large 22L 22,000 Lumens 30L 30,000 Lumens 40L 40,000 Lumens 75L 75,000 Lumens	5M Type V Mid 5N Type V Narrow	Symmetric 33 NEMA® 3x3 44 NEMA® 4x4 55 NEMA® 5x5 66 NEMA® 6x6 75 NEMA® 7x5							

GC TO VERIFY AND SPECIFY IF NOT UL

¹ Lumen Package codes identify approximate light output only. Actual lumen output levels vary by CCT and optic selection. Refer to Initial Delivered Lumen tables for specific lumen values

* Luminaire comes standard with 0-10V dimming



US: creelighting.com (800) 236-6800
Canada: creelighting-canada.com (800) 473-1234



Product Specifications

CREE LIGHTING NANOCOMFORT™ TECHNOLOGY

Cree Lighting's NanoComfort™ Technology ends the trade-offs in outdoor lighting by providing superior glare reduction and visual comfort in high-efficiency illumination delivered precisely where it is needed. The basic building block of NanoComfort™ Technology is a compact 4x4 array of LEDs. Each of the 16 LEDs in a module is in contact with its own acrylic polymer lens to capture and precisely direct light. With NanoComfort™ Technology, the acrylic optics are cut and sculpted into facets that relieve the glare and harshness while improving visual comfort – all while retaining superb efficacy and control.

CREE TRUEWHITE® TECHNOLOGY

A revolutionary way to generate high-quality white light, Cree TrueWhite® Technology is a patented approach that delivers an exclusive combination of 90+ CRI, beautiful light characteristics and lifelong color consistency, all while maintaining high luminous efficacy – a true no-compromise solution.

CONSTRUCTION & MATERIALS

- Slim, low profile design minimizes wind load requirements
- Luminaire housing is rugged die cast aluminum with an integral, weathertight LED driver compartment and high-performance heat sink
- Acrylic optic w/clear tempered glass lens
- Convenient interlocking mounting method on direct arm. Mounting adaptor is rugged die cast aluminum and mounts to 3" (76mm) or larger square or round pole, secured by two 5/16-18 UNC bolts spaced on 2" (51mm) centers. Refer to page 14 for fixture mounting drill pattern
- Adjustable arm mount adapters are rugged die cast aluminum
- OSQ-ML-C-AA mounts to a horizontal or vertical 2" (51mm) IP, 2.375" (60mm) O.D. tenon and can be adjusted 180° in 2.5° increments
- OSQ-X-C-AA mounts to a horizontal or vertical 2" (51mm) IP, 2.375-2.50" (60-64mm) O.D. steel tenon and can be adjusted 180° in 5.0° increments. **NOTE: Tenon length must be a minimum of 3.75" (95mm), and tenon must be steel**
- Trunnion mount is constructed of A500 and A1011 steel and is adjustable from 0-180° in 15° degree increments. Trunnion mount secures to surface with (1) 3/4" bolt or (2) 1/2" or 3/8" bolts
- Luminaires include 15" (381mm) 18/5 cord exiting the luminaire
- Designed for uplight and downlight applications. Uplight orientation not suitable for use with N or R options
- Exclusive Colorfast DeltaGuard® finish features an E-Coat epoxy primer with an ultra-durable powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation and abrasion. Silver, bronze, black, and white are available

Weight			
Mount	Housing Size		
	Medium	Large	Extra Large
Direct Arm	19.7 lbs. (8.9kg)	28.8 lbs. (13.1kg)	45.8 lbs. (20.8kg)
Adjustable Arm	19.3 lbs. (8.8kg)	28.4 lbs. (12.9kg)	48.6 lbs. (22.0kg)
Trunnion	23.2 lbs. (10.5kg)	32.3 lbs. (14.7kg)	N/A

For BML sensor add 0.1 lbs. (45g), and for NEMA receptacle, add 0.3 lbs. (136g).

ELECTRICAL SYSTEM

- **Input Voltage:** 120-277V, 277-480V or 347-480V, 50/60Hz, Class 1 drivers
- **Power Factor:** > 0.9 at full load
- **Total Harmonic Distortion:** < 20% at full load
- Integral 10kV/5kA surge suppression protection standard; 20kV/10kA surge suppression protection optional
- When code dictates fusing, a slow blow fuse or type C/D breaker should be used to address inrush current
- Designed with 0-10V dimming capabilities. Controls by others
- Refer to [Dimming spec sheet](#) for details
- **Maximum 10V Source Current:** 1.8mA
- **Operating Temperature Range:** -40°C - +40°C (-40°F - +104°F)

REGULATORY & VOLUNTARY QUALIFICATIONS

- cULus Listed (UL1598)
- Suitable for wet locations
- Meets NEMA C82.77 standards
- Drivers and LEDs are UL certified in accordance with UL8750
- Meets requirements of IP66 per IEC 60529 when ordered without N or R options
- Certified to ANSI C136.31-2018, 3G bridge and overpass vibration standards
- ANSI C136.2 10kV/5kA (standard) and 20kV/10kA (optional) surge suppression protection tested in accordance with IEEE/ANSI C62.41.2
- Meets FCC Part 15, Subpart B, Class A limits for conducted and radiated emissions
- Luminaire and finish endurance tested to withstand 5,000 hours of elevated ambient salt fog conditions as defined in ASTM Standard B 117
- Lens meets IK07 requirements per IEC 60068-2
- Assembled in the USA by Cree Lighting from US and imported parts
- Meets Buy American requirements within ARRA
- RoHS compliant. Consult factory for additional details
- Dark Sky Friendly, IDA Approved when ordered with 30K CCT and direct arm mount only. Please refer to <https://www.darksky.org/our-work/lighting/lighting-for-industry/fsa/fsa-products/> for most current information (Pending)
- **CA RESIDENTS WARNING:** Cancer and Reproductive Harm – www.p65warnings.ca.gov

Product Specifications

SYNAPSE® SIMPLYSNAP INTELLIGENT CONTROL

The Synapse SimplySNAP platform is a highly intuitive connected lighting solution featuring zone dimming, motion sensing, and daylight harvesting with utility-grade power monitoring and support of up to 1000 nodes per gateway. The system features a reliable and robust self-healing mesh network with a browser-based interface that runs on smartphones, tablets, and PCs. The Twist-Lock Lighting Controller (TL7-B2 or TL7-HVG) and Site Controller (SS450-002) take the OSQ Series to a new performance plateau, providing extreme energy productivity, code compliance and a better light experience.

Synapse Wireless Control Accessories	
Twist-Lock Lighting Controller TL7-B2 - Suitable for 120-277V (UL) voltage only - Requires NEMA/ANSI C136.41 7-Pin Dimming Receptacle - Not for use with BML or Q options - Provides On/Off switching, dimming, power metering, digital sensor input, and status monitoring of luminaire - Refer to TL7-B2 spec sheet for details	Synapse Wireless Sensor WSN-DPM - Motion and light sensor - Control multiple zones - Refer to WSN-DPM spec sheet for details
Twist-Lock Lighting Controller TL7-HVG - Suitable for 120-480V (UL, UE and UH) voltages - Requires NEMA/ANSI C136.41 7-Pin Dimming Receptacle - Not for use with BML or Q options - Provides On/Off switching, dimming, power metering, digital sensor input, and status monitoring of luminaire - Refer to TL7-HVG spec sheet for details	SimplySNAP On-Site Controller SS450-002 - Verizon® LTE-enabled - Designed for indoor applications - Refer to SS450-002 spec sheet for details
SimplySNAP Central Base Station CBSSW-450-002 - Includes On-Site Controller (SS450-002) and 5-button switch - Indoor and Outdoor rated - Refer to CBSSW-450-002 spec sheet for details	Building Management System (BMS) Gateway BMS-GW-002 - Required for BACnet integration - Refer to BMS-GW-002 spec sheet for details
	Outdoor Antennas [Optional, for increased range, 8dB gain] KIT-ANT420SM - Kit includes antenna, 20' cable and bracket KIT-ANT360 - Kit includes antenna, 30' cable and bracket KIT-ANT600 - Kit includes antenna, 50' cable and bracket - Refer to Outdoor antenna spec sheet for details

Electrical Data*

Lumen Package	System Watts 120-480V	Utility Label Wattage	Total Current (A)					
			120V	208V	240V	277V	347V	480V
4L**	26	30	0.21	0.12	0.11	0.09	N/A	N/A
6L	37	40	0.31	0.18	0.15	0.13	0.11	0.08
9L	55	60	0.46	0.27	0.23	0.20	0.16	0.12
11L	68	70	0.57	0.33	0.28	0.25	0.20	0.14
16L	97	100	0.81	0.47	0.40	0.35	0.28	0.20
22L	131	130	1.09	0.63	0.55	0.47	0.38	0.27
30L	175	180	1.46	0.84	0.73	0.63	0.50	0.36
40L	236	240	1.96	1.13	0.98	0.85	0.68	0.49
50L	297	N/A	2.48	1.43	1.24	1.07	0.86	0.62
65L	384	N/A	3.20	1.85	1.60	1.39	1.11	0.80
75L	447	N/A	3.73	2.15	1.86	1.61	1.29	0.93

* Electrical data at 25°C (77°F). Actual wattage may differ by +/- 10% when operating between 120-277V, 277-480V or 347-480V +/- 10%.

** Available with UL voltage only.

OSQ-C Series Ambient Adjusted Lumen Maintenance¹

Ambient	Initial LMF	25K hr Reported ² LMF	50K hr Reported ² LMF	75K hr Reported ² LMF	100K hr Reported ² LMF
5°C (41°F)	1.02	0.99	0.93	0.88	0.83
10°C (50°F)	1.02	0.98	0.93	0.87	0.82
15°C (59°F)	1.01	0.98	0.92	0.87	0.82
20°C (68°F)	1.01	0.97	0.92	0.86	0.81
25°C (77°F)	1.00	0.97	0.91	0.86	0.81

¹ Lumen maintenance values at 25°C (77°F) are calculated per IES TM-21 based on IES LM-80 report data for the LED package and in-situ luminaire testing. Luminaire ambient temperature factors (LATF) have been applied to all lumen maintenance factors. Please refer to the [Temperature Zone Reference Document](#) for outdoor average nighttime ambient conditions.

² In accordance with IES TM-21, Reported values represent interpolated values based on time durations that are up to 6x the tested duration in the IES LM-80 report for the LED.

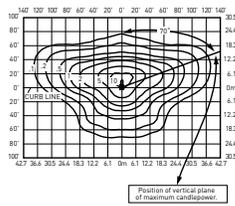
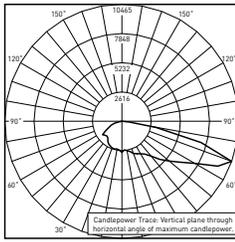
Accessories

Field-Installed	
Backlight Shield OSQ-M-C-BLSF (Medium) OSQ-L-C-BLSF (Large) OSQ-X-C-BLSF (Extra Large) - Not for use with rotated optics	Shorting Cap XA-XSLSHRT
Bird Spikes OSQ-M-C-BRDSPK OSQ-L-C-BRDSPK OSQ-X-C-BRDSPK	

Photometry

All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult: <https://creelighting.com/products/outdoor/area/osq-series>

2M



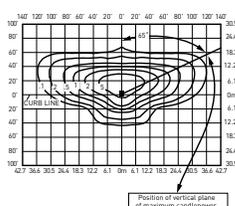
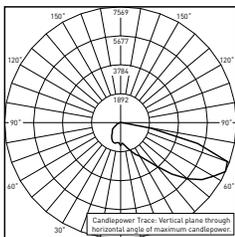
PRELIMINARY RESTL Test Report
OSQ Luminaire w/2M Optic
Initial Delivered Lumens: 15,560

OSQL-C-40L-40K7-2M-UL
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 38,000
Initial FC at grade

Type II Mid Distribution								
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	3,650	B1 U1 G1	3,800	B1 U1 G1	2,590	B1 U1 G1	3,800	B1 U1 G1
6L	5,475	B1 U1 G1	5,700	B1 U1 G1	3,880	B1 U1 G1	5,700	B1 U1 G1
9L	8,225	B2 U1 G2	8,550	B2 U1 G2	5,825	B1 U1 G1	8,550	B2 U1 G2
11L	10,025	B2 U1 G2	10,450	B2 U1 G2	7,100	B2 U1 G2	10,450	B2 U1 G2
16L	14,650	B3 U1 G3	15,200	B3 U1 G3	10,325	B2 U1 G2	15,200	B3 U1 G3
22L	20,100	B3 U1 G3	20,900	B3 U1 G3	14,200	B3 U1 G3	20,900	B3 U1 G3
30L	27,400	B3 U1 G3	28,500	B3 U1 G3	19,400	B3 U1 G3	28,500	B3 U1 G3
40L	36,500	B4 U1 G4	38,000	B4 U1 G4	25,900	B3 U1 G3	38,000	B4 U1 G4
50L	45,600	B4 U1 G5	47,500	B4 U1 G5	32,300	B3 U1 G4	47,500	B4 U1 G5
65L	59,300	B4 U1 G5	61,800	B4 U1 G5	42,000	B4 U1 G4	61,800	B4 U1 G5
75L	68,400	B5 U1 G5	71,300	B5 U1 G5	48,500	B4 U1 G5	71,300	B5 U1 G5

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

2B



PRELIMINARY RESTL Test Report
OSQ Luminaire w/2B Optic
Initial Delivered Lumens: 10,422

OSQL-C-40L-40K7-2B-UL
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 26,200
Initial FC at grade

Type II Mid w/BLS Distribution								
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	2,510	B1 U1 G1	2,620	B1 U1 G1	1,780	B0 U1 G1	2,620	B1 U1 G1
6L	3,760	B1 U1 G1	3,920	B1 U1 G1	2,670	B1 U1 G1	3,920	B1 U1 G1
9L	5,650	B1 U1 G1	5,875	B1 U1 G1	4,000	B1 U1 G1	5,875	B1 U1 G1
11L	6,900	B1 U1 G2	7,200	B1 U1 G2	4,890	B1 U1 G1	7,200	B1 U1 G2
16L	10,075	B2 U1 G2	10,450	B2 U1 G2	7,100	B1 U1 G2	10,450	B2 U1 G2
22L	13,800	B2 U1 G2	14,375	B2 U1 G2	9,775	B1 U1 G2	14,375	B2 U1 G2
30L	18,800	B2 U1 G3	19,600	B2 U1 G3	13,350	B2 U1 G2	19,600	B2 U1 G3
40L	25,100	B3 U1 G3	26,200	B3 U1 G3	17,800	B2 U1 G3	26,200	B3 U1 G3
50L	31,400	B3 U1 G4	32,700	B3 U1 G4	22,200	B3 U1 G3	32,700	B3 U1 G4
65L	40,800	B3 U1 G4	42,500	B3 U1 G4	28,900	B3 U1 G3	42,500	B3 U1 G4
75L	47,100	B3 U1 G4	49,000	B3 U1 G5	33,300	B3 U1 G4	49,000	B3 U1 G5

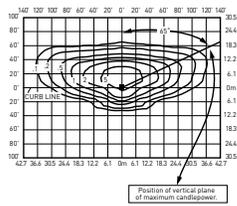
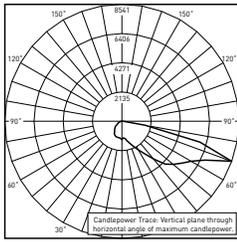
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

Photometry

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<https://creelighting.com/products/outdoor/area/osq-series>

2M W/OSQ-*-C-BLSF



PRELIMINARY RESTL Test Report
OSQ Luminaire w/2M Optic w/OSQ-M-C-BLSF
Initial Delivered Lumens: 9,579

OSQL-C-40L-40K7-2M-UL w/OSQ-L-C-BLSF
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 26,200
Initial FC at grade

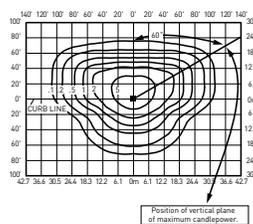
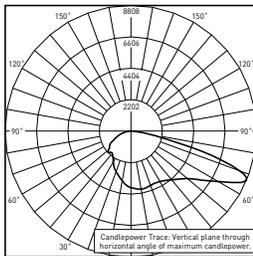
Type II Mid Distribution w/OSQ-*-C-BLSF

Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	2,510	B1 U1 G1	2,620	B1 U1 G1	1,780	B0 U1 G1	2,620	B1 U1 G1
6L	3,760	B1 U1 G1	3,920	B1 U1 G1	2,670	B1 U1 G1	3,920	B1 U1 G1
9L	5,650	B1 U1 G1	5,875	B1 U1 G1	4,000	B1 U1 G1	5,875	B1 U1 G1
11L	6,900	B1 U1 G2	7,200	B1 U1 G2	4,890	B1 U1 G2	7,200	B1 U1 G2
16L	10,075	B1 U1 G2	10,450	B1 U1 G2	7,100	B1 U1 G2	10,450	B1 U1 G2
22L	13,800	B2 U1 G2	14,375	B2 U1 G2	9,775	B1 U1 G2	14,375	B2 U1 G2
30L	18,800	B2 U1 G3	19,600	B2 U1 G3	13,350	B2 U1 G2	19,600	B2 U1 G3
40L	25,100	B3 U1 G3	26,200	B3 U1 G4	17,800	B2 U1 G3	26,200	B3 U1 G4
50L	31,400	B3 U1 G4	32,700	B3 U1 G4	22,200	B3 U1 G3	32,700	B3 U1 G4
65L	40,800	B3 U1 G4	42,500	B3 U1 G5	28,900	B3 U1 G4	42,500	B3 U1 G5
75L	47,100	B3 U1 G5	49,000	B3 U1 G5	33,300	B3 U1 G4	49,000	B3 U1 G5

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

3M



RESTL Test Report #: PL17240-001A
OSQM-C-16L-57K7-3M-UL-NM-WH
Initial Delivered Lumens: 15,444

OSQL-C-40L-40K7-3M-UL
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 38,000
Initial FC at grade

Type III Mid Distribution

Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	3,650	B1 U0 G1	3,800	B1 U0 G1	2,590	B1 U0 G1	3,800	B1 U0 G1
6L	5,475	B1 U0 G1	5,700	B1 U0 G1	3,880	B1 U0 G1	5,700	B1 U0 G1
9L	8,225	B2 U0 G2	8,550	B2 U0 G2	5,825	B1 U0 G1	8,550	B2 U0 G2
11L	10,025	B2 U0 G2	10,450	B2 U0 G2	7,100	B2 U0 G2	10,450	B2 U0 G2
16L	14,650	B3 U0 G3	15,200	B3 U0 G3	10,325	B2 U0 G2	15,200	B3 U0 G3
22L	20,100	B3 U0 G3	20,900	B3 U0 G3	14,200	B3 U0 G3	20,900	B3 U0 G3
30L	27,400	B3 U0 G3	28,500	B3 U0 G3	19,400	B3 U0 G3	28,500	B3 U0 G3
40L	36,500	B4 U0 G4	38,000	B4 U0 G4	25,900	B3 U0 G3	38,000	B4 U0 G4
50L	45,600	B4 U0 G4	47,500	B4 U0 G4	32,300	B3 U0 G4	47,500	B4 U0 G4
65L	59,300	B5 U0 G5	61,800	B5 U0 G5	42,000	B4 U0 G4	61,800	B5 U0 G5
75L	68,400	B5 U0 G5	71,300	B5 U0 G5	48,500	B4 U0 G4	71,300	B5 U0 G5

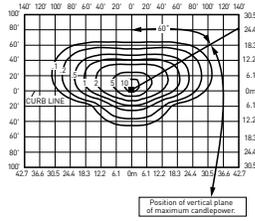
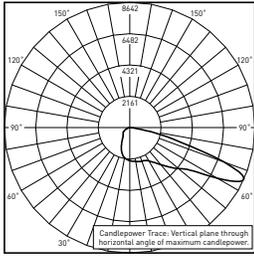
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

Photometry

All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult: <https://creelighting.com/products/outdoor/area/osq-series>

3B



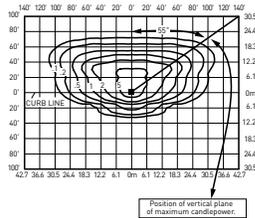
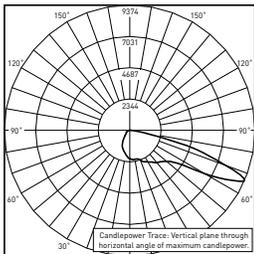
RESSL Test Report #: PL17366-001A
OSQM-C-16L-57K7-3B-UL-NM-WH
Initial Delivered Lumens: 10,081

OSQL-C-40L-40K7-3B-UL
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 26,200
Initial FC at grade

Type III Mid w/BLS Distribution								
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	2,510	B1 U0 G1	2,620	B1 U0 G1	1,780	B0 U0 G1	2,620	B1 U0 G1
6L	3,760	B1 U0 G1	3,920	B1 U0 G1	2,670	B1 U0 G1	3,920	B1 U0 G1
9L	5,650	B1 U0 G1	5,875	B1 U0 G1	4,000	B1 U0 G1	5,875	B1 U0 G1
11L	6,900	B1 U0 G2	7,200	B1 U0 G2	4,890	B1 U0 G1	7,200	B1 U0 G2
16L	10,075	B2 U0 G2	10,450	B2 U0 G2	7,100	B1 U0 G2	10,450	B2 U0 G2
22L	13,800	B2 U0 G2	14,375	B2 U0 G2	9,775	B2 U0 G2	14,375	B2 U0 G2
30L	18,800	B3 U0 G3	19,600	B3 U0 G3	13,350	B2 U0 G2	19,600	B3 U0 G3
40L	25,100	B3 U0 G3	26,200	B3 U0 G3	17,800	B3 U0 G3	26,200	B3 U0 G3
50L	31,400	B3 U0 G4	32,700	B3 U0 G4	22,200	B3 U0 G3	32,700	B3 U0 G4
65L	40,800	B3 U0 G4	42,500	B4 U0 G4	28,900	B3 U0 G4	42,500	B4 U0 G4
75L	47,100	B4 U0 G5	49,000	B4 U0 G5	33,300	B3 U0 G4	49,000	B4 U0 G5

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

3M W/OSQ-*-C-BLSF



RESSL Test Report#: PL17054-001A
OSQM-C-16L-57K7-3M-UL-NM-WH-R w/
OSQ-M-C-BLSF
Initial Delivered Lumens: 10,227

OSQL-C-40L-40K7-3M-UL w/OSQ-L-C-BLSF
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 26,200
Initial FC at grade

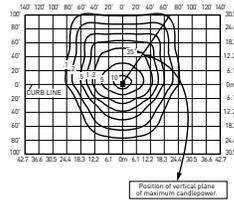
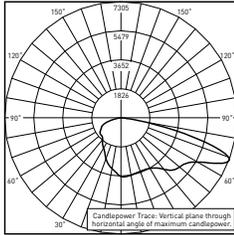
Type III Mid Distribution w/OSQ-*-C-BLSF								
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	2,510	B1 U1 G1	2,620	B1 U1 G1	1,780	B0 U1 G1	2,620	B1 U1 G1
6L	3,760	B1 U1 G1	3,920	B1 U1 G1	2,670	B1 U1 G1	3,920	B1 U1 G1
9L	5,650	B1 U1 G1	5,875	B1 U1 G1	4,000	B1 U1 G1	5,875	B1 U1 G2
11L	6,900	B1 U1 G2	7,200	B1 U1 G2	4,890	B1 U1 G1	7,200	B1 U1 G2
16L	10,075	B2 U1 G2	10,450	B2 U1 G2	7,100	B1 U1 G2	10,450	B2 U1 G2
22L	13,800	B2 U2 G2	14,375	B2 U2 G2	9,775	B2 U1 G2	14,375	B2 U2 G2
30L	18,800	B3 U2 G3	19,600	B3 U2 G3	13,350	B2 U2 G2	19,600	B3 U2 G3
40L	25,100	B3 U2 G4	26,200	B3 U2 G4	17,800	B3 U2 G3	26,200	B3 U2 G4
50L	31,400	B3 U2 G4	32,700	B3 U2 G4	22,200	B3 U2 G3	32,700	B3 U2 G4
65L	40,800	B3 U2 G5	42,500	B3 U2 G5	28,900	B3 U2 G4	42,500	B3 U2 G5
75L	47,100	B4 U2 G5	49,000	B4 U2 G5	33,300	B3 U2 G4	49,000	B4 U2 G5

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

Photometry

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4M



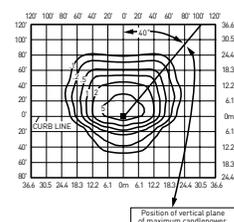
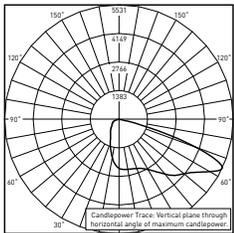
RESTL Test Report #: PL17299-001A
OSQM-C-16L-57K7-4M-UL-NM-WH
Initial Delivered Lumens: 15,584

OSQL-C-40L-40K7-4M-UL
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 38,000
Initial FC at grade

Type IV Mid Distribution								
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	3,650	B1 U0 G1	3,800	B1 U0 G1	2,590	B1 U0 G1	3,800	B1 U0 G1
6L	5,475	B1 U0 G1	5,700	B1 U0 G1	3,880	B1 U0 G1	5,700	B1 U0 G1
9L	8,225	B2 U0 G2	8,550	B2 U0 G2	5,825	B1 U0 G1	8,550	B2 U0 G2
11L	10,025	B2 U0 G2	10,450	B2 U0 G2	7,100	B2 U0 G1	10,450	B2 U0 G2
16L	14,650	B3 U0 G2	15,200	B3 U0 G2	10,325	B2 U0 G2	15,200	B3 U0 G2
22L	20,100	B3 U0 G3	20,900	B3 U0 G3	14,200	B3 U0 G2	20,900	B3 U0 G3
30L	27,400	B3 U0 G3	28,500	B3 U0 G3	19,400	B3 U0 G3	28,500	B3 U0 G3
40L	36,500	B4 U0 G4	38,000	B4 U0 G4	25,900	B3 U0 G3	38,000	B4 U0 G4
50L	45,600	B4 U0 G4	47,500	B4 U0 G4	32,300	B4 U0 G3	47,500	B4 U0 G4
65L	59,300	B5 U0 G5	61,800	B5 U0 G5	42,000	B4 U0 G4	61,800	B5 U0 G5
75L	68,400	B5 U0 G5	71,300	B5 U0 G5	48,500	B4 U0 G4	71,300	B5 U0 G5

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

4B



RESTL Test Report #: PL17367-001A
OSQM-C-16L-57K7-4B-UL-NM-WH
Initial Delivered Lumens: 9,812

OSQL-C-40L-40K7-4B-UL
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 24,000
Initial FC at grade

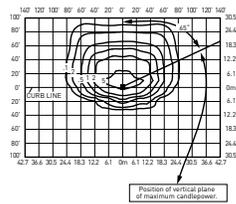
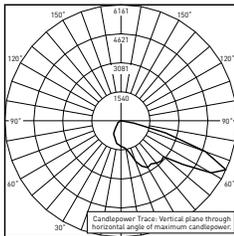
Type IV Mid w/BLS Distribution								
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	2,300	B1 U0 G0	2,400	B1 U0 G0	1,630	B0 U0 G0	2,400	B1 U0 G0
6L	3,440	B1 U0 G1	3,590	B1 U0 G1	2,440	B1 U0 G0	3,590	B1 U0 G1
9L	5,175	B1 U0 G1	5,400	B1 U0 G1	3,670	B1 U0 G1	5,400	B1 U0 G1
11L	6,325	B1 U0 G1	6,600	B1 U0 G1	4,480	B1 U0 G1	6,600	B1 U0 G1
16L	9,225	B2 U0 G2	9,575	B2 U0 G2	6,525	B1 U0 G1	9,575	B2 U0 G2
22L	12,625	B2 U0 G2	13,175	B2 U0 G2	8,950	B2 U0 G2	13,175	B2 U0 G2
30L	17,200	B3 U0 G2	18,000	B3 U0 G2	12,225	B2 U0 G2	18,000	B3 U0 G2
40L	23,000	B3 U0 G3	24,000	B3 U0 G3	16,300	B3 U0 G2	24,000	B3 U0 G3
50L	28,700	B3 U0 G3	29,900	B3 U0 G3	20,400	B3 U0 G2	29,900	B3 U0 G3
65L	37,400	B3 U0 G4	38,900	B3 U0 G4	26,500	B3 U0 G3	38,900	B3 U0 G4
75L	43,100	B4 U0 G4	44,900	B4 U0 G4	30,500	B3 U0 G3	44,900	B4 U0 G4

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

Photometry

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4M W/OSQ*-C-BLSF



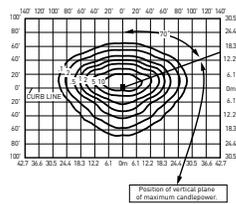
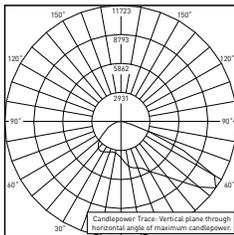
PRELIMINARY RESTL Test Report
OSQ Luminaire w/4M Optic w/OSQ-M-C-BLSF
Initial Delivered Lumens: 9,345

OSQL-C-40L-40K7-4M-UL w/OSQ-L-C-BLSF
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 24,000
Initial FC at grade

Type IV Mid Distribution w/OSQ*-C-BLSF								
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	2,300	B0 U1 G1	2,400	B1 U1 G1	1,630	B0 U1 G1	2,400	B1 U1 G1
6L	3,440	B1 U1 G1	3,590	B1 U1 G1	2,440	B1 U1 G1	3,590	B1 U1 G1
9L	5,175	B1 U1 G1	5,400	B1 U1 G1	3,670	B1 U1 G1	5,400	B1 U1 G1
11L	6,325	B1 U1 G2	6,600	B1 U1 G2	4,480	B1 U1 G1	6,600	B1 U1 G2
16L	9,225	B1 U1 G2	9,575	B1 U1 G2	6,525	B1 U1 G2	9,575	B1 U1 G2
22L	12,625	B2 U1 G2	13,175	B2 U1 G2	8,950	B1 U1 G2	13,175	B2 U1 G2
30L	17,200	B2 U1 G3	18,000	B2 U1 G3	12,225	B2 U1 G2	18,000	B2 U1 G3
40L	23,000	B3 U1 G3	24,000	B3 U1 G3	16,300	B2 U1 G2	24,000	B3 U1 G3
50L	28,700	B3 U1 G4	29,900	B3 U1 G4	20,400	B2 U1 G3	29,900	B3 U1 G4
65L	37,400	B3 U1 G4	38,900	B3 U1 G4	26,500	B3 U1 G4	38,900	B3 U1 G4
75L	43,100	B3 U1 G5	44,900	B3 U1 G5	30,500	B3 U1 G4	44,900	B3 U1 G5

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

AF



PRELIMINARY RESTL Test Report
OSQ Luminaire w/AF Optic
Initial Delivered Lumens: 15,866

OSQL-C-40L-40K7-AF-UL
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 38,000
Initial FC at grade

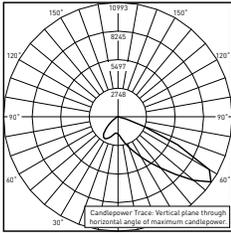
Automotive FrontLineOptic™ Distribution								
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	3,650	B1 U1 G1	3,800	B1 U1 G1	2,590	B1 U1 G1	3,800	B1 U1 G1
6L	5,475	B1 U1 G1	5,700	B1 U1 G1	3,880	B1 U1 G1	5,700	B1 U1 G1
9L	8,225	B2 U1 G1	8,550	B2 U1 G1	5,825	B1 U1 G1	8,550	B2 U1 G1
11L	10,025	B2 U1 G2	10,450	B2 U1 G2	7,100	B2 U1 G1	10,450	B2 U1 G2
16L	14,650	B3 U1 G2	15,200	B3 U1 G2	10,325	B2 U1 G2	15,200	B3 U1 G2
22L	20,100	B3 U1 G3	20,900	B3 U1 G3	14,200	B2 U1 G2	20,900	B3 U1 G3
30L	27,400	B3 U1 G3	28,500	B3 U1 G3	19,400	B3 U1 G3	28,500	B3 U1 G3
40L	36,500	B4 U1 G3	38,000	B4 U1 G3	25,900	B3 U1 G3	38,000	B4 U1 G3
50L	45,600	B4 U1 G4	47,500	B4 U1 G4	32,300	B3 U1 G3	47,500	B4 U1 G4
65L	59,300	B5 U1 G4	61,800	B5 U1 G4	42,000	B4 U1 G3	61,800	B5 U1 G4
75L	68,400	B5 U1 G4	71,300	B5 U1 G4	48,500	B4 U1 G4	71,300	B5 U1 G4

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

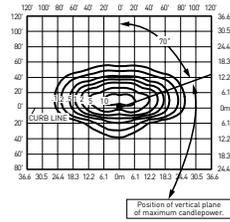
Photometry

All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult: <https://creelighting.com/products/outdoor/area/osq-series>

AB



PRELIMINARY RESTL Test Report
OSQ Luminaire w/AB Optic
Initial Delivered Lumens: 11,393



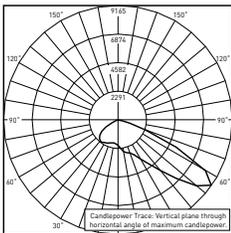
OSQ-L-C-40L-40K7-AB-UL
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 26,200
Initial FC at grade

Automotive FrontLineOptic™ w/BLS Distribution

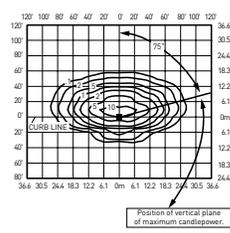
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	2,510	B1 U1 G0	2,620	B1 U1 G0	1,780	B0 U1 G0	2,620	B1 U1 G0
6L	3,760	B1 U1 G0	3,920	B1 U1 G1	2,670	B1 U1 G0	3,920	B1 U1 G1
9L	5,650	B1 U1 G1	5,875	B1 U1 G1	4,000	B1 U1 G1	5,875	B1 U1 G1
11L	6,900	B1 U1 G1	7,200	B1 U1 G1	4,890	B1 U1 G1	7,200	B1 U1 G1
16L	10,075	B2 U1 G1	10,450	B2 U1 G1	7,100	B1 U1 G1	10,450	B2 U1 G1
22L	13,800	B2 U1 G2	14,375	B2 U1 G2	9,775	B2 U1 G1	14,375	B2 U1 G2
30L	18,800	B2 U1 G2	19,600	B2 U1 G2	13,350	B2 U1 G2	19,600	B2 U1 G2
40L	25,100	B3 U1 G2	26,200	B3 U1 G2	17,800	B2 U1 G2	26,200	B3 U1 G2
50L	31,400	B3 U1 G2	32,700	B3 U1 G2	22,200	B3 U1 G2	32,700	B3 U1 G2
65L	40,800	B3 U1 G3	42,500	B3 U1 G3	28,900	B3 U1 G2	42,500	B3 U1 G3
75L	47,100	B3 U1 G3	49,000	B4 U1 G3	33,300	B3 U1 G2	49,000	B4 U1 G3

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

AF W/OSQ*-C-BLSF



PRELIMINARY RESTL Test Report
OSQ Luminaire w/AF Optic w/OSQ-M-C-BLSF
Initial Delivered Lumens: 9,783



OSQ-L-C-40L-40K7-AF-UL w/OSQ-L-C-BLSF
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 26,200
Initial FC at grade

Automotive FrontLineOptic™ w/OSQ*-C-BLSF

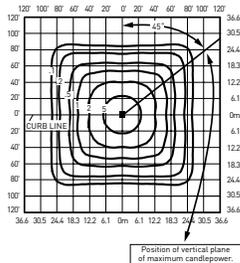
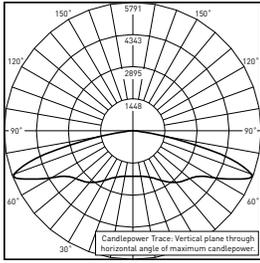
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	2,510	B1 U1 G0	2,620	B1 U1 G0	1,780	B0 U1 G0	2,620	B1 U1 G0
6L	3,760	B1 U1 G0	3,920	B1 U1 G1	2,670	B1 U1 G0	3,920	B1 U1 G1
9L	5,650	B1 U1 G1	5,875	B1 U1 G1	4,000	B1 U1 G1	5,875	B1 U1 G1
11L	6,900	B1 U1 G1	7,200	B1 U1 G1	4,890	B1 U1 G1	7,200	B1 U1 G1
16L	10,075	B2 U1 G1	10,450	B2 U1 G1	7,100	B1 U1 G1	10,450	B2 U1 G1
22L	13,800	B2 U1 G2	14,375	B2 U1 G2	9,775	B2 U1 G1	14,375	B2 U1 G2
30L	18,800	B3 U1 G2	19,600	B3 U1 G2	13,350	B2 U1 G2	19,600	B3 U1 G2
40L	25,100	B3 U1 G2	26,200	B3 U1 G2	17,800	B2 U1 G2	26,200	B3 U1 G2
50L	31,400	B3 U1 G2	32,700	B3 U1 G2	22,200	B3 U1 G2	32,700	B3 U1 G2
65L	40,800	B3 U1 G3	42,500	B3 U1 G3	28,900	B3 U1 G2	42,500	B3 U1 G3
75L	47,100	B4 U1 G3	49,000	B4 U1 G3	33,300	B3 U1 G2	49,000	B4 U1 G3

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

Photometry

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5M



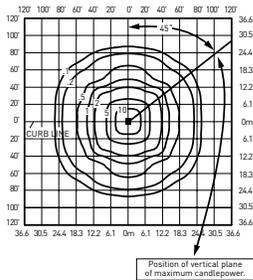
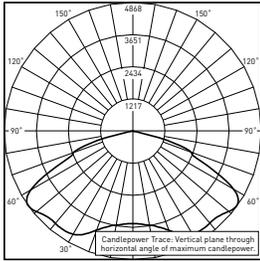
RESTL Test Report #: PL17290-002A
OSQM-C-16L-57K7-5M-UL-NM-WH
Initial Delivered Lumens: 15,567

OSQL-C-40L-40K7-5M-UL
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 40,000
Initial FC at grade

Type V Mid Distribution								
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	3,840	B2 U0 G1	4,000	B2 U0 G1	2,720	B2 U0 G1	4,000	B2 U0 G1
6L	5,750	B3 U0 G1	6,000	B3 U0 G1	4,080	B2 U0 G1	6,000	B3 U0 G1
9L	8,650	B3 U0 G1	9,000	B3 U0 G1	6,125	B3 U0 G1	9,000	B3 U0 G1
11L	10,550	B3 U0 G2	11,000	B3 U0 G2	7,475	B3 U0 G1	11,000	B3 U0 G2
16L	15,400	B4 U0 G2	16,000	B4 U0 G2	10,875	B3 U0 G2	16,000	B4 U0 G2
22L	21,100	B4 U0 G2	22,000	B4 U0 G2	14,950	B4 U0 G2	22,000	B4 U0 G2
30L	28,800	B5 U0 G3	30,000	B5 U0 G3	20,400	B4 U0 G2	30,000	B5 U0 G3
40L	38,400	B5 U0 G3	40,000	B5 U0 G4	27,200	B5 U0 G3	40,000	B5 U0 G4
50L	48,000	B5 U0 G4	50,000	B5 U0 G4	34,000	B5 U0 G3	50,000	B5 U0 G4
65L	62,400	B5 U0 G5	65,000	B5 U0 G5	44,200	B5 U0 G4	65,000	B5 U0 G5
75L	72,000	B5 U0 G5	75,000	B5 U0 G5	51,000	B5 U0 G4	75,000	B5 U0 G5

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
 ** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

5N



RESTL Test Report #: PL17333-002A
OSQM-C-16L-57K7-5N-UL-NM-WH
Initial Delivered Lumens: 16,299

OSQL-C-40L-40K7-5N-UL
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 40,000
Initial FC at grade

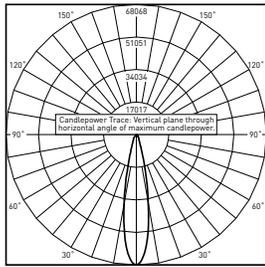
Type V Narrow Distribution								
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	3,840	B2 U0 G0	4,000	B2 U0 G0	2,720	B1 U0 G0	4,000	B2 U0 G0
6L	5,750	B2 U0 G0	6,000	B2 U0 G1	4,080	B2 U0 G0	6,000	B2 U0 G1
9L	8,650	B2 U0 G1	9,000	B3 U0 G1	6,125	B2 U0 G1	9,000	B3 U0 G1
11L	10,550	B3 U0 G1	11,000	B3 U0 G1	7,475	B2 U0 G1	11,000	B3 U0 G1
16L	15,400	B3 U0 G1	16,000	B3 U0 G2	10,875	B3 U0 G1	16,000	B3 U0 G2
22L	21,100	B4 U0 G2	22,000	B4 U0 G2	14,950	B3 U0 G1	22,000	B4 U0 G2
30L	28,800	B4 U0 G2	30,000	B5 U0 G2	20,400	B4 U0 G2	30,000	B5 U0 G2
40L	38,400	B5 U0 G2	40,000	B5 U0 G2	27,200	B4 U0 G2	40,000	B5 U0 G2
50L	48,000	B5 U0 G3	50,000	B5 U0 G3	34,000	B5 U0 G2	50,000	B5 U0 G3
65L	62,400	B5 U0 G3	65,000	B5 U0 G3	44,200	B5 U0 G2	65,000	B5 U0 G3
75L	72,000	B5 U0 G4	75,000	B5 U0 G4	51,000	B5 U0 G3	75,000	B5 U0 G4

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
 ** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

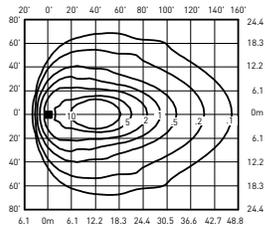
Photometry

All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult: <https://creelighting.com/products/outdoor/area/osq-series>

33



RESTL Test Report #: PL17338-001A
OSQM-C-16L-57K7-33-UL-NM-WH
Initial Delivered Lumens: 16,127

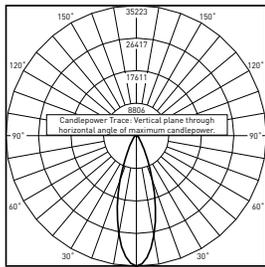


OSQL-C-40L-40K7-33-UL
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt
Initial Delivered Lumens: 40,000
Initial FC at grade

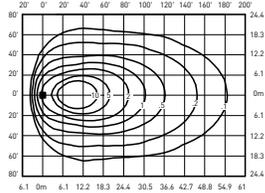
NEMA® 3x3 Distribution				
Lumen Package	3000K (70 CRI)	4000K (70 CRI)	5000K (90CRI)	5700K (70 CRI)
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
4L	3,840	4,000	2,720	4,000
6L	5,750	6,000	4,080	6,000
9L	8,650	9,000	6,125	9,000
11L	10,550	11,000	7,475	11,000
16L	15,400	16,000	10,875	16,000
22L	21,100	22,000	14,950	22,000
30L	28,800	30,000	20,400	30,000
40L	38,400	40,000	27,200	40,000
50L	48,000	50,000	34,000	50,000
65L	62,400	65,000	44,200	65,000
75L	72,000	75,000	51,000	75,000

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

44



PRELIMINARY RESTL Test Report
OSQ Luminaire w/44 Optic
Initial Delivered Lumens: 16,001



OSQL-C-40L-40K7-44-UL
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt
Initial Delivered Lumens: 40,000
Initial FC at grade

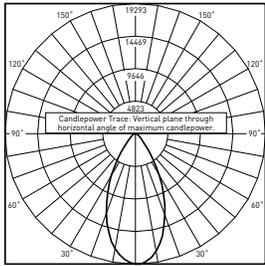
NEMA® 4x4 Distribution				
Lumen Package	3000K (70 CRI)	4000K (70 CRI)	5000K (90CRI)	5700K (70 CRI)
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
4L	3,840	4,000	2,720	4,000
6L	5,750	6,000	4,080	6,000
9L	8,650	9,000	6,125	9,000
11L	10,550	11,000	7,475	11,000
16L	15,400	16,000	10,875	16,000
22L	21,100	22,000	14,950	22,000
30L	28,800	30,000	20,400	30,000
40L	38,400	40,000	27,200	40,000
50L	48,000	50,000	34,000	50,000
65L	62,400	65,000	44,200	65,000
75L	72,000	75,000	51,000	75,000

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

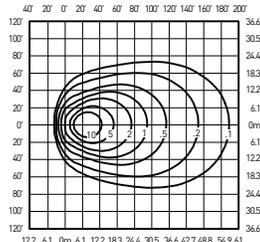
Photometry

All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult: <https://creelighting.com/products/outdoor/area/osq-series>

55



PRELIMINARY RESTL Test Report
OSQ Luminaire w/55 Optic
Initial Delivered Lumens: 15,967

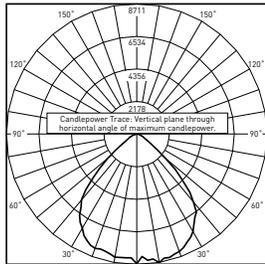


OSQL-C-40L-40K7-55-UL
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt
Initial Delivered Lumens: 40,000
Initial FC at grade

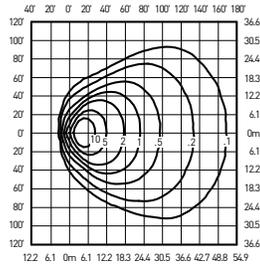
NEMA® 5x5 Distribution				
Lumen Package	3000K (70 CRI)	4000K (70 CRI)	5000K (90CRI)	5700K (70 CRI)
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
4L	3,840	4,000	2,720	4,000
6L	5,750	6,000	4,080	6,000
9L	8,650	9,000	6,125	9,000
11L	10,550	11,000	7,475	11,000
16L	15,400	16,000	10,875	16,000
22L	21,100	22,000	14,950	22,000
30L	28,800	30,000	20,400	30,000
40L	38,400	40,000	27,200	40,000
50L	48,000	50,000	34,000	50,000
65L	62,400	65,000	44,200	65,000
75L	72,000	75,000	51,000	75,000

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

66



PRELIMINARY RESTL Test Report
OSQ Luminaire w/66 Optic
Initial Delivered Lumens: 15,952



OSQL-C-40L-40K7-66-UL
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt
Initial Delivered Lumens: 40,000
Initial FC at grade

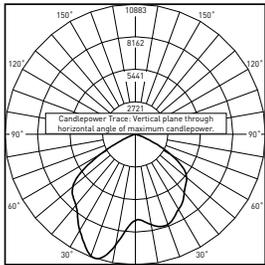
NEMA® 6x6 Distribution				
Lumen Package	3000K (70 CRI)	4000K (70 CRI)	5000K (90CRI)	5700K (70 CRI)
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
4L	3,840	4,000	2,720	4,000
6L	5,750	6,000	4,080	6,000
9L	8,650	9,000	6,125	9,000
11L	10,550	11,000	7,475	11,000
16L	15,400	16,000	10,875	16,000
22L	21,100	22,000	14,950	22,000
30L	28,800	30,000	20,400	30,000
40L	38,400	40,000	27,200	40,000
50L	48,000	50,000	34,000	50,000
65L	62,400	65,000	44,200	65,000
75L	72,000	75,000	51,000	75,000

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

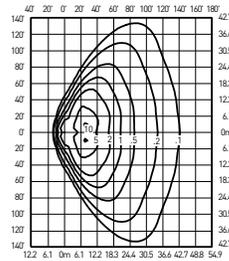
Photometry

All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult: <https://creelighting.com/products/outdoor/area/osq-series>

75



RESTL Test Report #: PL17352-001A
OSQM-C-16L-57K7-75-UL-NM-WH
Initial Delivered Lumens: 16,120



OSQL-C-40L-40K7-75-UL
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt
Initial Delivered Lumens: 40,000
Initial FC at grade

NEMA® 7x5 Distribution				
Lumen Package	3000K (70 CRI)	4000K (70 CRI)	5000K (90CRI)	5700K (70 CRI)
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
4L	3,840	4,000	2,720	4,000
6L	5,750	6,000	4,080	6,000
9L	8,650	9,000	6,125	9,000
11L	10,550	11,000	7,475	11,000
16L	15,400	16,000	10,875	16,000
22L	21,100	22,000	14,950	22,000
30L	28,800	30,000	20,400	30,000
40L	38,400	40,000	27,200	40,000
50L	48,000	50,000	34,000	50,000
65L	62,400	65,000	44,200	65,000
75L	72,000	75,000	51,000	75,000

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

Luminaire EPA

Adjustable Arm Mount – OSQ-ML-C-AA Weight: Medium - 19.3 lbs. [8.8kg]; Large - 28.4 lbs. [12.9kg]; OSQ-X-C-DA Weight: Extra Large - 48.6 lbs. [22kg]								
	Single	2 @ 180°	2 @ 90°	3 @ 90°	3 @ 120°	3 @ 180°	4 @ 180°	4 @ 90°
Luminaire	Tenon Configuration [0° - 90° Tilt]; If used with Cree Lighting tenons, please add tenon EPA with Luminaire EPA							
	PB-1A*; PT-1*; PW-1A3**	PB-2A*; PB-2R2.375; PD-2A4(180)*; PT-2(180)*; PW-2A3**	PB-2A*; PB-2R2.375; PD-2A4(90)*; PT-2(90)*; PW-2A3**	PB-3A*; PB-3R2.375; PD-3A4(90)*; PT-3(90)*	PB-3A*; PB-3R2.375; PT-3(120)*	PB-3A*; PB-3R2.375	PB-4A*(180); PB-4R2.375	PB-4A*(90); PB-4R2.375; PD-4A4(90)*; PT-4(90)*
	0° Tilt							
OSQM	0.69	1.38	1.11	1.80	2.01	1.38	1.73	2.22
OSQL	0.78	1.55	1.30	2.07	2.33	1.55	1.94	2.60
OSQX	0.98	1.95	1.65	2.63	2.97	1.95	2.44	3.31
	45° Tilt							
OSQM	1.41	2.81	2.10	3.50	4.23	4.22	5.63	4.19
OSQL	2.62	5.23	3.39	6.01	6.91	7.85	10.46	6.79
OSQX	4.35	8.70	5.33	9.68	9.65	13.05	17.40	10.66
	90° Tilt***							
OSQM	1.89	3.79	2.58	4.48	5.56	5.68	7.57	5.17
OSQL	3.52	7.03	4.29	7.81	9.14	10.55	14.07	8.59
OSQX	5.84	11.68	6.82	12.66	12.78	17.52	23.36	13.63

* Specify pole size: 3 [3"], 4 [4"], 5 [5"], or 6 [6"] for single, double or triple luminaire orientation or 4 [4"], 5 [5"], or 6 [6"] for quad luminaire orientation
 ** These EPA values must be multiplied by the following ratio: Fixture Mounting Height/Total Pole Height. Specify pole size: 3 [3"], 4 [4"], 5 [5"], or 6 [6"]
 *** PD-2A4(90), PT-2(90), PD-3A4(90), PT-3(90), PD-4A4(90), PT-4(90) are not compatible with 90 degree tilt
 + PT & PD aluminum tenons are not suitable for use with OSQX luminaires.

Tenon EPA

Part Number	EPA
PB-1A*	None
PB-2A*	0.82
PB-3A*	1.52
PB-4A*(180)	2.22
PB-4A*(90)	1.11
PB-2R2.375	0.92
PB-3R2.375	1.62
PB-4R2.375	2.32
PD Series Tenons	0.09
PT Series Tenons	0.10
PW-1A3**	0.47
PW-2A3**	0.94
WM-2	0.08
WM-4	0.25
WM-DM	None

* Specify pole size: 3 [3"], 4 [4"], 5 [5"], or 6 [6"] for single, double or triple luminaire orientation or 4 [4"], 5 [5"], or 6 [6"] for quad luminaire orientation
 ** These EPA values must be multiplied by the following ratio: Fixture Mounting Height/Total Pole Height. Specify pole size: 3 [3"], 4 [4"], 5 [5"], or 6 [6"]

Tenons and Brackets [†] (must specify color)	
<p>Square Internal Mount Vertical Tenons (Steel) - Mounts to 3-6" (76-152mm) square aluminum or steel poles</p> <p>PB-1A* – Single PB-2A* – 180° Twin PB-3A* – 180° Triple</p> <p>PB-4A*(90) – 90° Quad PB-4A*(180) – 180° Quad</p>	<p>Round External Mount Vertical Tenons (Steel) - Mounts to 2.375" (60mm) O.D. round aluminum or steel poles or tenons</p> <p>PB-2R2.375 – Twin PB-3R2.375 – Triple PB-4R2.375 – Quad</p>
<p>Square Internal Mount Horizontal Tenons (Aluminum) - Mounts to 4" (102mm) square aluminum or steel poles - Not for use with OSQX luminaires</p> <p>PD-2A4(90) – 90° Twin PD-2A4(180) – 180° Twin PD-3A4(90) – 90° Triple PD-4A4(90) – 90° Quad</p>	<p>Round External Mount Horizontal Tenons (Aluminum) - Mounts to 2.375" (60mm) O.D. round aluminum or steel poles or tenons - Mounts to square pole with PB-1A* tenon - Not for use with OSQX luminaires</p> <p>PT-1 – Single (Vertical) PT-2(90) – 90° Twin PT-2(180) – 180° Twin PT-3(90) – 90° Triple PT-3(120) – 120° Triple PT-4(90) – 90° Quad</p>
<p>Wall Mount Brackets - Mounts to wall or roof</p> <p>WM-2 – Horizontal for OSQ-ML-C-AA or OSQ-X-C-AA mounts WM-4 – L-Shape for OSQ-ML-C-AA or OSQ-X-C-AA mounts WM-DM – Plate for OSQ-ML-C-DA or OSQ-X-C-DA mounts</p>	<p>Mid-Pole Bracket - Mounts to square pole</p> <p>PW-1A3** – Single PW-2A3** – Double</p>
	<p>Ground Mount Post - For ground-mounted flood luminaires</p> <p>PGM-1 - for OSQ-ML-C-AA or OSQ-X-C-AA mounts</p>

[†] Refer to the [Bracket and Tenons spec sheet](#) for more details

Luminaire EPA

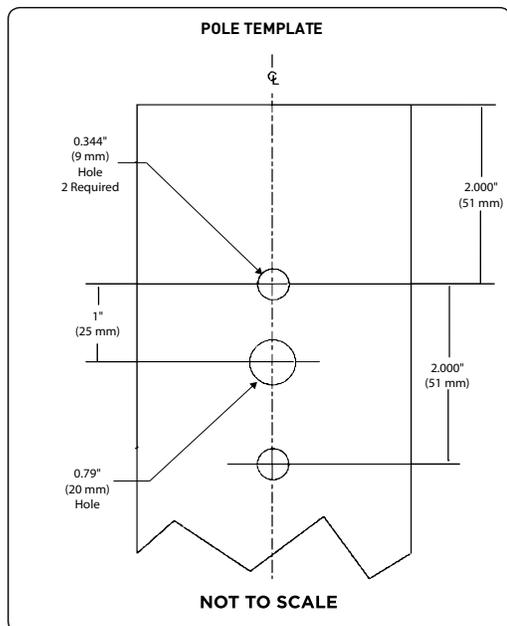
Direct Arm Mount – OSQ-ML-C-DA Weight: Medium - 19.7 lbs. (8.9kg); Large - 28.8 lbs. (13.1kg); OSQ-X-C-DA Weight: Extra Large - 45.8 lbs. (20.8kg)						
Luminaire	Single	2 @ 180°	2 @ 90°	3 @ 90°	3 @ 120°	4 @ 90°
OSQM	0.63	1.26	0.98	1.61	1.79	1.97
OSQL	0.72	1.45	1.24	1.97	2.23	2.49
OSQX	0.91	1.83	1.52	2.43	2.74	3.04

Direct Mount Configurations

Compatibility with Direct Mount Brackets					
Size	2 @ 90°	2 @ 180°	3 @ 90°	3 @ 120°	4 @ 90°
3" Square					
Medium/Large	✓	✓	✓	N/A	✓
Extra Large	N/A	✓	N/A	N/A	N/A
3" Round					
Medium/Large	N/A	✓	N/A	✓	N/A
Extra Large	N/A	N/A	N/A	N/A	N/A
4" Square					
Medium/Large	✓	✓	✓	N/A	✓
Extra Large	✓	✓	✓	N/A	✓
4" Round					
Medium/Large	✓	✓	✓	✓	✓
Extra Large	✓	✓	✓	✓	✓
5" Square					
Medium/Large	✓	✓	✓	N/A	✓
Extra Large	✓	✓	✓	N/A	✓
5" Round					
Medium/Large	✓	✓	✓	✓	✓
Extra Large	✓	✓	✓	✓	✓
6" + Square					
Medium/Large	✓	✓	✓	N/A	✓
Extra Large	✓	✓	✓	N/A	✓
6" + Round					
Medium/Large	✓	✓	✓	✓	✓
Extra Large	✓	✓	✓	✓	✓

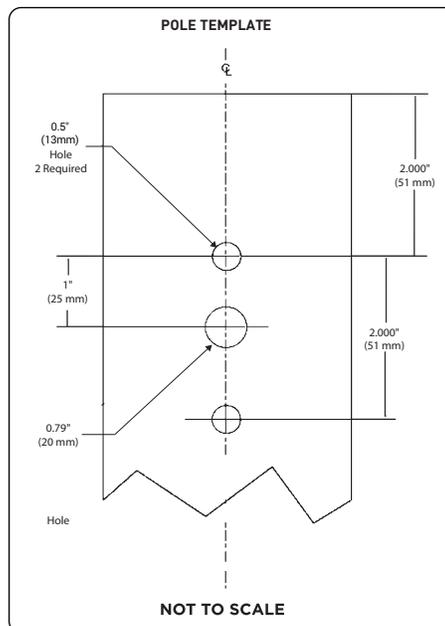
Fixture Mounting Drill Pattern for OSQ-ML-C-DA Mount

Note: When using with Cree Lighting poles, order the BLANK Fixture Mounting Drill Pattern.



Fixture Mounting Drill Pattern for OSQ-X-C-DA

Note: When using with Cree Lighting poles, order the Q Fixture Mounting Drill Pattern.



Luminaire EPA

Trunnion Mount – OSQ-ML-C-TM Weight:	
Medium - 23.2 lbs. (10.5kg);	
Large - 32.3 lbs. (14.7kg)	
Single	
Medium	Large
0° Tilt	
0.69	0.78
45° Tilt	
1.41	2.62
90° Tilt	
1.89	3.52

Field Adjustable Output (Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:

The Field Adjustable Output option enables the OSQ area luminaires to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected Q setting and will be fully adjustable between the nine settings. When ordered with the N option, the luminaire will include an ANSI C136.15-2020 utility label that indicates the wattage (rounded to nearest 10W), the lumen output (rounded to nearest 1000 lumens), and the CCT of the luminaire at the selected lumen output. Additional dimming functionality is available when a dimming control (by others) is used in the 7-Pin receptacle.

Locked Lumen Output (X8/X7/X6/X5/X4/X3/X2/X1) Option Description:

The Locked Lumen Output option on this page permanently locks the lumen output on the OSQ area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected and will only be able to be adjusted down in the field through a dimming control (by others). When ordered with the N option, the luminaire will include a utility label that indicates the wattage, lumen output, and CCT of the setting selected.

Q & X Option Power & Lumen Data – 4L Lumen Package

Q/X Option Setting	CCT/CRI	System Watts 120-277V	Lumen Values				Utility Label Wattage	Utility Label Lumens			
			Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS		Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS
Q9 (Full Power)	30K (70 CRI)	26	3,650	3,840	2,510	2,300	30	4000 L	4000 L	3000 L	2000 L
	40K (70 CRI)		3,800	4,000	2,620	2,400		4000 L	4000 L	3000 L	2000 L
	50K (90 CRI)		2,590	2,720	1,780	1,630		3000 L	3000 L	2000 L	2000 L
	57K (70 CRI)		3,800	4,000	2,620	2,400		4000 L	4000 L	3000 L	2000 L
Q8/X8	30K (70 CRI)	24	3,480	3,660	2,390	2,190	20	3000 L	4000 L	2000 L	2000 L
	40K (70 CRI)		3,630	3,820	2,500	2,290		4000 L	4000 L	3000 L	2000 L
	50K (90 CRI)		2,460	2,590	1,690	1,550		2000 L	3000 L	2000 L	2000 L
	57K (70 CRI)		3,630	3,820	2,500	2,290		4000 L	4000 L	3000 L	2000 L
Q7/X7	30K (70 CRI)	23	3,340	3,510	2,300	2,100	20	3000 L	4000 L	2000 L	2000 L
	40K (70 CRI)		3,480	3,660	2,390	2,190		3000 L	4000 L	2000 L	2000 L
	50K (90 CRI)		2,370	2,490	1,630	1,490		2000 L	2000 L	2000 L	1000 L
	57K (70 CRI)		3,480	3,660	2,390	2,190		3000 L	4000 L	2000 L	2000 L
Q6/X6	30K (70 CRI)	22	3,220	3,390	2,220	2,030	20	3000 L	3000 L	2000 L	2000 L
	40K (70 CRI)		3,360	3,540	2,310	2,120		3000 L	4000 L	2000 L	2000 L
	50K (90 CRI)		2,280	2,400	1,570	1,440		2000 L	2000 L	2000 L	1000 L
	57K (70 CRI)		3,360	3,540	2,310	2,120		3000 L	4000 L	2000 L	2000 L
Q5/X5	30K (70 CRI)	20	2,950	3,100	2,030	1,860	20	3000 L	3000 L	2000 L	2000 L
	40K (70 CRI)		3,070	3,230	2,110	1,930		3000 L	3000 L	2000 L	2000 L
	50K (90 CRI)		2,090	2,200	1,440	1,320		2000 L	2000 L	1000 L	1000 L
	57K (70 CRI)		3,070	3,230	2,110	1,930		3000 L	3000 L	2000 L	2000 L
Q4/X4	30K (70 CRI)	18	2,680	2,820	1,840	1,690	20	3000 L	3000 L	2000 L	2000 L
	40K (70 CRI)		2,790	2,940	1,920	1,760		3000 L	3000 L	2000 L	2000 L
	50K (90 CRI)		1,900	2,000	1,310	1,200		2000 L	2000 L	1000 L	1000 L
	57K (70 CRI)		2,790	2,940	1,920	1,760		3000 L	3000 L	2000 L	2000 L
Q3/X3	30K (70 CRI)	16	2,470	2,600	1,700	1,560	20	2000 L	3000 L	2000 L	2000 L
	40K (70 CRI)		2,580	2,710	1,770	1,620		3000 L	3000 L	2000 L	2000 L
	50K (90 CRI)		1,750	1,840	1,200	1,100		2000 L	2000 L	1000 L	1000 L
	57K (70 CRI)		2,580	2,710	1,770	1,620		3000 L	3000 L	2000 L	2000 L
Q2/X2	30K (70 CRI)	15	2,220	2,340	1,530	1,400	20	2000 L	2000 L	2000 L	1000 L
	40K (70 CRI)		2,320	2,440	1,600	1,460		2000 L	2000 L	2000 L	1000 L
	50K (90 CRI)		1,580	1,660	1,090	990		2000 L	2000 L	1000 L	1000 L
	57K (70 CRI)		2,320	2,440	1,600	1,460		2000 L	2000 L	2000 L	1000 L
Q1/X1	30K (70 CRI)	13	1,970	2,070	1,350	1,240	10	2000 L	2000 L	1000 L	1000 L
	40K (70 CRI)		2,050	2,160	1,410	1,290		2000 L	2000 L	1000 L	1000 L
	50K (90 CRI)		1,400	1,470	960	880		1000 L	1000 L	1000 L	1000 L
	57K (70 CRI)		2,050	2,160	1,410	1,290		2000 L	2000 L	1000 L	1000 L

Field Adjustable Output (Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:

The Field Adjustable Output option enables the OSQ area luminaires to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected Q setting and will be fully adjustable between the nine settings. When ordered with the N option, the luminaire will include an ANSI C136.15-2020 utility label that indicates the wattage (rounded to nearest 10W), the lumen output (rounded to nearest 1000 lumens), and the CCT of the luminaire at the selected lumen output. Additional dimming functionality is available when a dimming control (by others) is used in the 7-Pin receptacle.

Locked Lumen Output (X8/X7/X6/X5/X4/X3/X2/X1) Option Description:

The Locked Lumen Output option on this page permanently locks the lumen output on the OSQ area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected and will only be able to be adjusted down in the field through a dimming control (by others). When ordered with the N option, the luminaire will include a utility label that indicates the wattage, lumen output, and CCT of the setting selected.

Q & X Option Power & Lumen Data – 6L Lumen Package

Q/X Option Setting	CCT/CRI	System Watts 120-480V	Lumen Values				Utility Label Wattage	Utility Label Lumens			
			Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS		Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS
Q9 (Full Power)	30K (70 CRI)	37	5,475	5,750	3,760	3,440	40	5000 L	6000 L	4000 L	3000 L
	40K (70 CRI)		5,700	6,000	3,920	3,590		6000 L	6000 L	4000 L	4000 L
	50K (90 CRI)		3,880	4,080	2,670	2,440		4000 L	4000 L	3000 L	2000 L
	57K (70 CRI)		5,700	6,000	3,920	3,590		6000 L	6000 L	4000 L	4000 L
Q8/X8	30K (70 CRI)	34	5,200	5,475	3,580	3,280	30	5000 L	5000 L	4000 L	3000 L
	40K (70 CRI)		5,450	5,725	3,740	3,430		5000 L	6000 L	4000 L	3000 L
	50K (90 CRI)		3,700	3,890	2,540	2,330		4000 L	4000 L	3000 L	2000 L
	57K (70 CRI)		5,450	5,725	3,740	3,430		5000 L	6000 L	4000 L	3000 L
Q7/X7	30K (70 CRI)	32	4,990	5,250	3,430	3,140	30	5000 L	5000 L	3000 L	3000 L
	40K (70 CRI)		5,200	5,475	3,580	3,280		5000 L	5000 L	4000 L	3000 L
	50K (90 CRI)		3,550	3,730	2,440	2,230		4000 L	4000 L	2000 L	2000 L
	57K (70 CRI)		5,200	5,475	3,580	3,280		5000 L	5000 L	4000 L	3000 L
Q6/X6	30K (70 CRI)	30	4,820	5,075	3,320	3,040	30	5000 L	5000 L	3000 L	3000 L
	40K (70 CRI)		5,050	5,300	3,470	3,170		5000 L	5000 L	3000 L	3000 L
	50K (90 CRI)		3,430	3,610	2,360	2,160		3000 L	4000 L	2000 L	2000 L
	57K (70 CRI)		5,050	5,300	3,470	3,170		5000 L	5000 L	3000 L	3000 L
Q5/X5	30K (70 CRI)	28	4,420	4,650	3,040	2,780	30	4000 L	5000 L	3000 L	3000 L
	40K (70 CRI)		4,610	4,850	3,170	2,900		5000 L	5000 L	3000 L	3000 L
	50K (90 CRI)		3,140	3,300	2,160	1,980		3000 L	3000 L	2000 L	2000 L
	57K (70 CRI)		4,610	4,850	3,170	2,900		5000 L	5000 L	3000 L	3000 L
Q4/X4	30K (70 CRI)	25	4,010	4,220	2,760	2,530	30	4000 L	4000 L	3000 L	3000 L
	40K (70 CRI)		4,180	4,400	2,880	2,640		4000 L	4000 L	3000 L	3000 L
	50K (90 CRI)		2,840	2,990	1,960	1,790		3000 L	3000 L	2000 L	2000 L
	57K (70 CRI)		4,180	4,400	2,880	2,640		4000 L	4000 L	3000 L	3000 L
Q3/X3	30K (70 CRI)	23	3,710	3,900	2,550	2,340	20	4000 L	4000 L	3000 L	2000 L
	40K (70 CRI)		3,870	4,070	2,660	2,440		4000 L	4000 L	3000 L	2000 L
	50K (90 CRI)		2,630	2,770	1,810	1,660		3000 L	3000 L	2000 L	2000 L
	57K (70 CRI)		3,870	4,070	2,660	2,440		4000 L	4000 L	3000 L	2000 L
Q2/X2	30K (70 CRI)	20	3,340	3,510	2,300	2,100	20	3000 L	4000 L	2000 L	2000 L
	40K (70 CRI)		3,480	3,660	2,390	2,190		3000 L	4000 L	2000 L	2000 L
	50K (90 CRI)		2,370	2,490	1,630	1,490		2000 L	2000 L	2000 L	1000 L
	57K (70 CRI)		3,480	3,660	2,390	2,190		3000 L	4000 L	2000 L	2000 L
Q1/X1	30K (70 CRI)	18	2,950	3,100	2,030	1,860	20	3000 L	3000 L	2000 L	2000 L
	40K (70 CRI)		3,070	3,230	2,110	1,930		3000 L	3000 L	2000 L	2000 L
	50K (90 CRI)		2,090	2,200	1,440	1,320		2000 L	2000 L	1000 L	1000 L
	57K (70 CRI)		3,070	3,230	2,110	1,930		3000 L	3000 L	2000 L	2000 L

Field Adjustable Output (Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:

The Field Adjustable Output option enables the OSQ area luminaires to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected Q setting and will be fully adjustable between the nine settings. When ordered with the N option, the luminaire will include an ANSI C136.15-2020 utility label that indicates the wattage (rounded to nearest 10W), the lumen output (rounded to nearest 1000 lumens), and the CCT of the luminaire at the selected lumen output. Additional dimming functionality is available when a dimming control (by others) is used in the 7-Pin receptacle.

Locked Lumen Output (X8/X7/X6/X5/X4/X3/X2/X1) Option Description:

The Locked Lumen Output option on this page permanently locks the lumen output on the OSQ area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected and will only be able to be adjusted down in the field through a dimming control (by others). When ordered with the N option, the luminaire will include a utility label that indicates the wattage, lumen output, and CCT of the setting selected.

Q & X Option Power & Lumen Data – 9L Lumen Package

Q/X Option Setting	CCT/CRI	System Watts 120-480V	Lumen Values				Utility Label Wattage	Utility Label Lumens			
			Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS		Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS
Q9 (Full Power)	30K (70 CRI)	55	8,225	8,650	5,650	5,175	60	8000 L	9000 L	6000 L	5000 L
	40K (70 CRI)		8,550	9,000	5,875	5,400		9000 L	9000 L	6000 L	5000 L
	50K (90 CRI)		5,825	6,125	4,000	3,670		6000 L	6000 L	4000 L	4000 L
	57K (70 CRI)		8,550	9,000	5,875	5,400		9000 L	9000 L	6000 L	5000 L
Q8/X8	30K (70 CRI)	53	7,850	8,250	5,400	4,940	50	8000 L	8000 L	5000 L	5000 L
	40K (70 CRI)		8,150	8,575	5,600	5,125		8000 L	9000 L	6000 L	5000 L
	50K (90 CRI)		5,550	5,850	3,830	3,500		6000 L	6000 L	4000 L	4000 L
	57K (70 CRI)		8,150	8,575	5,600	5,125		8000 L	9000 L	6000 L	5000 L
Q7/X7	30K (70 CRI)	50	7,500	7,900	5,175	4,730	50	8000 L	8000 L	5000 L	5000 L
	40K (70 CRI)		7,825	8,225	5,375	4,930		8000 L	8000 L	5000 L	5000 L
	50K (90 CRI)		5,325	5,600	3,660	3,350		5000 L	6000 L	4000 L	3000 L
	57K (70 CRI)		7,825	8,225	5,375	4,930		8000 L	8000 L	5000 L	5000 L
Q6/X6	30K (70 CRI)	48	7,275	7,650	5,000	4,580	50	7000 L	8000 L	5000 L	5000 L
	40K (70 CRI)		7,550	7,950	5,200	4,760		8000 L	8000 L	5000 L	5000 L
	50K (90 CRI)		5,150	5,425	3,550	3,250		5000 L	5000 L	4000 L	3000 L
	57K (70 CRI)		7,550	7,950	5,200	4,760		8000 L	8000 L	5000 L	5000 L
Q5/X5	30K (70 CRI)	43	6,650	7,000	4,580	4,190	40	7000 L	7000 L	5000 L	4000 L
	40K (70 CRI)		6,925	7,275	4,760	4,360		7000 L	7000 L	5000 L	4000 L
	50K (90 CRI)		4,710	4,950	3,240	2,960		5000 L	5000 L	3000 L	3000 L
	57K (70 CRI)		6,925	7,275	4,760	4,360		7000 L	7000 L	5000 L	4000 L
Q4/X4	30K (70 CRI)	40	6,025	6,350	4,150	3,800	40	6000 L	6000 L	4000 L	4000 L
	40K (70 CRI)		6,275	6,600	4,320	3,950		6000 L	7000 L	4000 L	4000 L
	50K (90 CRI)		4,280	4,500	2,940	2,700		4000 L	5000 L	3000 L	3000 L
	57K (70 CRI)		6,275	6,600	4,320	3,950		6000 L	7000 L	4000 L	4000 L
Q3/X3	30K (70 CRI)	36	5,575	5,875	3,840	3,520	40	6000 L	6000 L	4000 L	4000 L
	40K (70 CRI)		5,800	6,100	3,990	3,650		6000 L	6000 L	4000 L	4000 L
	50K (90 CRI)		3,940	4,150	2,710	2,490		4000 L	4000 L	3000 L	2000 L
	57K (70 CRI)		5,800	6,100	3,990	3,650		6000 L	6000 L	4000 L	4000 L
Q2/X2*	30K (70 CRI)	32	5,025	5,275	3,450	3,160	30	5000 L	5000 L	3000 L	3000 L
	40K (70 CRI)		5,225	5,500	3,600	3,290		5000 L	6000 L	4000 L	3000 L
	50K (90 CRI)		3,560	3,740	2,450	2,240		4000 L	4000 L	2000 L	2000 L
	57K (70 CRI)		5,225	5,500	3,600	3,290		5000 L	6000 L	4000 L	3000 L
Q1/X1*	30K (70 CRI)	29	4,430	4,660	3,050	2,790	30	4000 L	5000 L	3000 L	3000 L
	40K (70 CRI)		4,610	4,850	3,170	2,900		5000 L	5000 L	3000 L	3000 L
	50K (90 CRI)		3,140	3,300	2,160	1,980		3000 L	3000 L	2000 L	2000 L
	57K (70 CRI)		4,610	4,850	3,170	2,900		5000 L	5000 L	3000 L	3000 L

* X2 and X1 options not available with 9L lumen package with UL voltage.

Field Adjustable Output (Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:

The Field Adjustable Output option enables the OSQ area luminaires to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected Q setting and will be fully adjustable between the nine settings. When ordered with the N option, the luminaire will include an ANSI C136.15-2020 utility label that indicates the wattage (rounded to nearest 10W), the lumen output (rounded to nearest 1000 lumens), and the CCT of the luminaire at the selected lumen output. Additional dimming functionality is available when a dimming control (by others) is used in the 7-Pin receptacle.

Locked Lumen Output (X8/X7/X6/X5/X4/X3/X2/X1) Option Description:

The Locked Lumen Output option on this page permanently locks the lumen output on the OSQ area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected and will only be able to be adjusted down in the field through a dimming control (by others). When ordered with the N option, the luminaire will include a utility label that indicates the wattage, lumen output, and CCT of the setting selected.

Q & X Option Power & Lumen Data – 11L Lumen Package

Q/X Option Setting	CCT/CRI	System Watts 120-480V	Lumen Values				Utility Label Wattage	Utility Label Lumens			
			Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS		Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS
Q9 (Full Power)	30K (70 CRI)	68	10,025	10,550	6,900	6,325	70	10000 L	11000 L	7000 L	6000 L
	40K (70 CRI)		10,450	11,000	7,200	6,600		10000 L	11000 L	7000 L	7000 L
	50K (90 CRI)		7,100	7,475	4,890	4,480		7000 L	7000 L	5000 L	4000 L
	57K (70 CRI)		10,450	11,000	7,200	6,600		10000 L	11000 L	7000 L	7000 L
Q8/X8	30K (70 CRI)	65	9,575	10,075	6,600	6,025	70	10000 L	10000 L	7000 L	6000 L
	40K (70 CRI)		9,975	10,500	6,875	6,300		10000 L	11000 L	7000 L	6000 L
	50K (90 CRI)		6,775	7,125	4,660	4,270		7000 L	7000 L	5000 L	4000 L
	57K (70 CRI)		9,975	10,500	6,875	6,300		10000 L	11000 L	7000 L	6000 L
Q7/X7	30K (70 CRI)	62	9,175	9,650	6,300	5,775	60	9000 L	10000 L	6000 L	6000 L
	40K (70 CRI)		9,550	10,050	6,575	6,025		10000 L	10000 L	7000 L	6000 L
	50K (90 CRI)		6,500	6,825	4,460	4,090		7000 L	7000 L	4000 L	4000 L
	57K (70 CRI)		9,550	10,050	6,575	6,025		10000 L	10000 L	7000 L	6000 L
Q6/X6	30K (70 CRI)	59	8,875	9,325	6,100	5,575	60	9000 L	9000 L	6000 L	6000 L
	40K (70 CRI)		9,250	9,725	6,350	5,825		9000 L	10000 L	6000 L	6000 L
	50K (90 CRI)		6,275	6,600	4,320	3,950		6000 L	7000 L	4000 L	4000 L
	57K (70 CRI)		9,250	9,725	6,350	5,825		9000 L	10000 L	6000 L	6000 L
Q5/X5	30K (70 CRI)	53	8,100	8,525	5,575	5,100	50	8000 L	9000 L	6000 L	5000 L
	40K (70 CRI)		8,450	8,900	5,825	5,325		8000 L	9000 L	6000 L	5000 L
	50K (90 CRI)		5,750	6,050	3,960	3,620		6000 L	6000 L	4000 L	4000 L
	57K (70 CRI)		8,450	8,900	5,825	5,325		8000 L	9000 L	6000 L	5000 L
Q4/X4	30K (70 CRI)	49	7,375	7,750	5,075	4,640	50	7000 L	8000 L	5000 L	5000 L
	40K (70 CRI)		7,675	8,075	5,275	4,840		8000 L	8000 L	5000 L	5000 L
	50K (90 CRI)		5,200	5,475	3,580	3,280		5000 L	5000 L	4000 L	3000 L
	57K (70 CRI)		7,675	8,075	5,275	4,840		8000 L	8000 L	5000 L	5000 L
Q3/X3	30K (70 CRI)	44	6,800	7,150	4,680	4,280	40	7000 L	7000 L	5000 L	4000 L
	40K (70 CRI)		7,075	7,450	4,870	4,460		7000 L	7000 L	5000 L	4000 L
	50K (90 CRI)		4,820	5,075	3,320	3,040		5000 L	5000 L	3000 L	3000 L
	57K (70 CRI)		7,075	7,450	4,870	4,460		7000 L	7000 L	5000 L	4000 L
Q2/X2	30K (70 CRI)	39	6,100	6,425	4,200	3,850	40	6000 L	6000 L	4000 L	4000 L
	40K (70 CRI)		6,375	6,700	4,380	4,010		6000 L	7000 L	4000 L	4000 L
	50K (90 CRI)		4,330	4,560	2,980	2,730		4000 L	5000 L	3000 L	3000 L
	57K (70 CRI)		6,375	6,700	4,380	4,010		6000 L	7000 L	4000 L	4000 L
Q1/X1	30K (70 CRI)	35	5,400	5,675	3,710	3,400	40	5000 L	6000 L	4000 L	3000 L
	40K (70 CRI)		5,625	5,925	3,870	3,550		6000 L	6000 L	4000 L	4000 L
	50K (90 CRI)		3,830	4,030	2,640	2,410		4000 L	4000 L	3000 L	2000 L
	57K (70 CRI)		5,625	5,925	3,870	3,550		6000 L	6000 L	4000 L	4000 L

Field Adjustable Output (Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:

The Field Adjustable Output option enables the OSQ area luminaires to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected Q setting and will be fully adjustable between the nine settings. When ordered with the N option, the luminaire will include an ANSI C136.15-2020 utility label that indicates the wattage (rounded to nearest 10W), the lumen output (rounded to nearest 1000 lumens), and the CCT of the luminaire at the selected lumen output. Additional dimming functionality is available when a dimming control (by others) is used in the 7-Pin receptacle.

Locked Lumen Output (X8/X7/X6/X5/X4/X3/X2/X1) Option Description:

The Locked Lumen Output option on this page permanently locks the lumen output on the OSQ area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected and will only be able to be adjusted down in the field through a dimming control (by others). When ordered with the N option, the luminaire will include a utility label that indicates the wattage, lumen output, and CCT of the setting selected.

Q & X Option Power & Lumen Data – 16L Lumen Package

Q/X Option Setting	CCT/CRI	System Watts 120-480V	Lumen Values				Utility Label Wattage	Utility Label Lumens			
			Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS		Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS
Q9 (Full Power)	30K (70 CRI)	97	14,650	15,400	10,075	9,225	100	15000 L	15000 L	10000 L	9000 L
	40K (70 CRI)		15,200	16,000	10,450	9,575		15000 L	16000 L	10000 L	10000 L
	50K (90 CRI)		10,325	10,875	7,100	6,525		10000 L	11000 L	7000 L	7000 L
	57K (70 CRI)		15,200	16,000	10,450	9,575		15000 L	16000 L	10000 L	10000 L
Q8/X8	30K (70 CRI)	93	13,975	14,700	9,600	8,800	90	14000 L	15000 L	10000 L	9000 L
	40K (70 CRI)		14,550	15,300	10,000	9,175		15000 L	15000 L	10000 L	9000 L
	50K (90 CRI)		9,850	10,375	6,775	6,225		10000 L	10000 L	7000 L	6000 L
	57K (70 CRI)		14,550	15,300	10,000	9,175		15000 L	15000 L	10000 L	9000 L
Q7/X7	30K (70 CRI)	87	13,375	14,075	9,200	8,425	90	13000 L	14000 L	9000 L	8000 L
	40K (70 CRI)		13,900	14,625	9,575	8,750		14000 L	15000 L	10000 L	9000 L
	50K (90 CRI)		9,450	9,950	6,500	5,950		9000 L	10000 L	7000 L	6000 L
	57K (70 CRI)		13,900	14,625	9,575	8,750		14000 L	15000 L	10000 L	9000 L
Q6/X6	30K (70 CRI)	84	12,950	13,625	8,900	8,150	80	13000 L	14000 L	9000 L	8000 L
	40K (70 CRI)		13,450	14,150	9,250	8,475		13000 L	14000 L	9000 L	8000 L
	50K (90 CRI)		9,150	9,625	6,300	5,775		9000 L	10000 L	6000 L	6000 L
	57K (70 CRI)		13,450	14,150	9,250	8,475		13000 L	14000 L	9000 L	8000 L
Q5/X5	30K (70 CRI)	76	11,825	12,450	8,150	7,450	80	12000 L	12000 L	8000 L	7000 L
	40K (70 CRI)		12,275	12,925	8,450	7,750		12000 L	13000 L	8000 L	8000 L
	50K (90 CRI)		8,350	8,775	5,750	5,250		8000 L	9000 L	6000 L	5000 L
	57K (70 CRI)		12,275	12,925	8,450	7,750		12000 L	13000 L	8000 L	8000 L
Q4/X4	30K (70 CRI)	70	10,750	11,300	7,400	6,775	70	11000 L	11000 L	7000 L	7000 L
	40K (70 CRI)		11,175	11,750	7,675	7,025		11000 L	12000 L	8000 L	7000 L
	50K (90 CRI)		7,575	7,975	5,225	4,780		8000 L	8000 L	5000 L	5000 L
	57K (70 CRI)		11,175	11,750	7,675	7,025		11000 L	12000 L	8000 L	7000 L
Q3/X3	30K (70 CRI)	62	9,925	10,450	6,825	6,250	60	10000 L	10000 L	7000 L	6000 L
	40K (70 CRI)		10,325	10,850	7,100	6,500		10000 L	11000 L	7000 L	7000 L
	50K (90 CRI)		7,000	7,375	4,820	4,420		7000 L	7000 L	5000 L	4000 L
	57K (70 CRI)		10,325	10,850	7,100	6,500		10000 L	11000 L	7000 L	7000 L
Q2/X2	30K (70 CRI)	55	8,925	9,400	6,150	5,625	60	9000 L	9000 L	6000 L	6000 L
	40K (70 CRI)		9,275	9,750	6,375	5,850		9000 L	10000 L	6000 L	6000 L
	50K (90 CRI)		6,300	6,625	4,330	3,970		6000 L	7000 L	4000 L	4000 L
	57K (70 CRI)		9,275	9,750	6,375	5,850		9000 L	10000 L	6000 L	6000 L
Q1*	30K (70 CRI)	50	7,900	8,300	5,425	4,970	50	8000 L	8000 L	5000 L	5000 L
	40K (70 CRI)		8,200	8,625	5,650	5,175		8000 L	9000 L	6000 L	5000 L
	50K (90 CRI)		5,550	5,850	3,830	3,500		6000 L	6000 L	4000 L	4000 L
	57K (70 CRI)		8,200	8,625	5,650	5,175		8000 L	9000 L	6000 L	5000 L

* X1 option not available with 16L lumen package.

Field Adjustable Output (Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:

The Field Adjustable Output option enables the OSQ area luminaires to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected Q setting and will be fully adjustable between the nine settings. When ordered with the N option, the luminaire will include an ANSI C136.15-2020 utility label that indicates the wattage (rounded to nearest 10W), the lumen output (rounded to nearest 1000 lumens), and the CCT of the luminaire at the selected lumen output. Additional dimming functionality is available when a dimming control (by others) is used in the 7-Pin receptacle.

Locked Lumen Output (X8/X7/X6/X5/X4/X3/X2/X1) Option Description:

The Locked Lumen Output option on this page permanently locks the lumen output on the OSQ area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected and will only be able to be adjusted down in the field through a dimming control (by others). When ordered with the N option, the luminaire will include a utility label that indicates the wattage, lumen output, and CCT of the setting selected.

Q & X Option Power & Lumen Data – 22L Lumen Package

Q/X Option Setting	CCT/CRI	System Watts 120-480V	Lumen Values				Utility Label Wattage	Utility Label Lumens			
			Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS		Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS
Q9 (Full Power)	30K (70 CRI)	131	20,100	21,100	13,800	12,625	130	20000 L	21000 L	14000 L	13000 L
	40K (70 CRI)		20,900	22,000	14,375	13,175		21000 L	22000 L	14000 L	13000 L
	50K (90 CRI)		14,200	14,950	9,775	8,950		14000 L	15000 L	10000 L	9000 L
	57K (70 CRI)		20,900	22,000	14,375	13,175		21000 L	22000 L	14000 L	13000 L
Q8/X8	30K (70 CRI)	126	19,100	20,100	13,150	12,050	130	19000 L	20000 L	13000 L	12000 L
	40K (70 CRI)		20,000	21,000	13,725	12,575		20000 L	21000 L	14000 L	13000 L
	50K (90 CRI)		13,550	14,250	9,325	8,525		14000 L	14000 L	9000 L	9000 L
	57K (70 CRI)		20,000	21,000	13,725	12,575		20000 L	21000 L	14000 L	13000 L
Q7/X7	30K (70 CRI)	119	18,300	19,300	12,625	11,550	120	18000 L	19000 L	13000 L	12000 L
	40K (70 CRI)		19,100	20,100	13,150	12,050		19000 L	20000 L	13000 L	12000 L
	50K (90 CRI)		13,000	13,675	8,950	8,200		13000 L	14000 L	9000 L	8000 L
	57K (70 CRI)		19,100	20,100	13,150	12,050		19000 L	20000 L	13000 L	12000 L
Q6/X6	30K (70 CRI)	114	17,800	18,700	12,225	11,200	110	18000 L	19000 L	12000 L	11000 L
	40K (70 CRI)		18,400	19,400	12,675	11,625		18000 L	19000 L	13000 L	12000 L
	50K (90 CRI)		12,575	13,225	8,650	7,925		13000 L	13000 L	9000 L	8000 L
	57K (70 CRI)		18,400	19,400	12,675	11,625		18000 L	19000 L	13000 L	12000 L
Q5/X5	30K (70 CRI)	103	16,200	17,000	11,125	10,175	100	16000 L	17000 L	11000 L	10000 L
	40K (70 CRI)		16,900	17,800	11,650	10,650		17000 L	18000 L	12000 L	11000 L
	50K (90 CRI)		11,475	12,075	7,900	7,225		11000 L	12000 L	8000 L	7000 L
	57K (70 CRI)		16,900	17,800	11,650	10,650		17000 L	18000 L	12000 L	11000 L
Q4/X4	30K (70 CRI)	95	14,725	15,500	10,125	9,275	100	15000 L	16000 L	10000 L	9000 L
	40K (70 CRI)		15,300	16,100	10,525	9,650		15000 L	16000 L	11000 L	10000 L
	50K (90 CRI)		10,425	10,975	7,175	6,575		10000 L	11000 L	7000 L	7000 L
	57K (70 CRI)		15,300	16,100	10,525	9,650		15000 L	16000 L	11000 L	10000 L
Q3/X3	30K (70 CRI)	84	13,600	14,300	9,350	8,575	80	14000 L	14000 L	9000 L	9000 L
	40K (70 CRI)		14,175	14,925	9,750	8,950		14000 L	15000 L	10000 L	9000 L
	50K (90 CRI)		9,625	10,125	6,625	6,075		10000 L	10000 L	7000 L	6000 L
	57K (70 CRI)		14,175	14,925	9,750	8,950		14000 L	15000 L	10000 L	9000 L
Q2/X2	30K (70 CRI)	75	12,250	12,875	8,425	7,700	80	12000 L	13000 L	8000 L	8000 L
	40K (70 CRI)		12,750	13,425	8,775	8,050		13000 L	13000 L	9000 L	8000 L
	50K (90 CRI)		8,675	9,125	5,975	5,475		9000 L	9000 L	6000 L	5000 L
	57K (70 CRI)		12,750	13,425	8,775	8,050		13000 L	13000 L	9000 L	8000 L
Q1/X1	30K (70 CRI)	68	10,825	11,375	7,450	6,825	70	11000 L	11000 L	7000 L	7000 L
	40K (70 CRI)		11,275	11,850	7,750	7,100		11000 L	12000 L	8000 L	7000 L
	50K (90 CRI)		7,650	8,050	5,275	4,820		8000 L	8000 L	5000 L	5000 L
	57K (70 CRI)		11,275	11,850	7,750	7,100		11000 L	12000 L	8000 L	7000 L

Field Adjustable Output (Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:

The Field Adjustable Output option enables the OSQ area luminaires to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected Q setting and will be fully adjustable between the nine settings. When ordered with the N option, the luminaire will include an ANSI C136.15-2020 utility label that indicates the wattage (rounded to nearest 10W), the lumen output (<= 24,000 lumens rounded to nearest 1000 lumens, > 24,001 lumens rounded to the nearest 2000 lumens), and the CCT of the luminaire at the selected lumen output. Additional dimming functionality is available when a dimming control (by others) is used in the 7-Pin receptacle.

Locked Lumen Output (X8/X7/X6/X5/X4/X3/X2/X1) Option Description:

The Locked Lumen Output option on this page permanently locks the lumen output on the OSQ area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected and will only be able to be adjusted down in the field through a dimming control (by others). When ordered with the N option, the luminaire will include a utility label that indicates the wattage, lumen output, and CCT of the setting selected.

Q & X Option Power & Lumen Data – 30L Lumen Package

Q/X Option Setting	CCT/CRI	System Watts 120-480V	Lumen Values				Utility Label Wattage	Utility Label Lumens			
			Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS		Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS
Q9 (Full Power)	30K (70 CRI)	175	27,400	28,800	18,800	17,200	130	28000 L	28000 L	19000 L	17000 L
	40K (70 CRI)		28,500	30,000	19,600	18,000		28000 L	30000 L	20000 L	18000 L
	50K (90 CRI)		19,400	20,400	13,350	12,225		19000 L	20000 L	13000 L	12000 L
	57K (70 CRI)		28,500	30,000	19,600	18,000		28000 L	30000 L	20000 L	18000 L
Q8/X8	30K (70 CRI)	168	26,100	27,500	18,000	16,500	170	26000 L	28000 L	18000 L	17000 L
	40K (70 CRI)		27,200	28,600	18,700	17,100		28000 L	28000 L	19000 L	17000 L
	50K (90 CRI)		18,500	19,500	12,750	11,675		19000 L	20000 L	13000 L	12000 L
	57K (70 CRI)		27,200	28,600	18,700	17,100		28000 L	28000 L	19000 L	17000 L
Q7/X7	30K (70 CRI)	158	25,000	26,300	17,200	15,800	160	26000 L	26000 L	17000 L	16000 L
	40K (70 CRI)		26,000	27,400	17,900	16,400		26000 L	28000 L	18000 L	16000 L
	50K (90 CRI)		17,700	18,600	12,150	11,150		18000 L	19000 L	12000 L	11000 L
	57K (70 CRI)		26,000	27,400	17,900	16,400		26000 L	28000 L	18000 L	16000 L
Q6/X6	30K (70 CRI)	152	24,200	25,500	16,700	15,300	150	24000 L	26000 L	17000 L	15000 L
	40K (70 CRI)		25,200	26,500	17,300	15,900		26000 L	26000 L	17000 L	16000 L
	50K (90 CRI)		17,100	18,000	11,775	10,775		17000 L	18000 L	12000 L	11000 L
	57K (70 CRI)		25,200	26,500	17,300	15,900		26000 L	26000 L	17000 L	16000 L
Q5/X5	30K (70 CRI)	137	22,100	23,300	15,200	13,950	140	22000 L	23000 L	15000 L	14000 L
	40K (70 CRI)		23,000	24,200	15,800	14,500		23000 L	24000 L	16000 L	15000 L
	50K (90 CRI)		15,700	16,500	10,800	9,875		16000 L	17000 L	11000 L	10000 L
	57K (70 CRI)		23,000	24,200	15,800	14,500		23000 L	24000 L	16000 L	15000 L
Q4/X4	30K (70 CRI)	126	20,100	21,100	13,800	12,625	130	20000 L	21000 L	14000 L	13000 L
	40K (70 CRI)		20,900	22,000	14,375	13,175		21000 L	22000 L	14000 L	13000 L
	50K (90 CRI)		14,225	14,975	9,800	8,975		14000 L	15000 L	10000 L	9000 L
	57K (70 CRI)		20,900	22,000	14,375	13,175		21000 L	22000 L	14000 L	13000 L
Q3/X3	30K (70 CRI)	113	18,500	19,500	12,750	11,675	110	19000 L	20000 L	13000 L	12000 L
	40K (70 CRI)		19,300	20,300	13,275	12,150		19000 L	20000 L	13000 L	12000 L
	50K (90 CRI)		13,150	13,825	9,050	8,275		13000 L	14000 L	9000 L	8000 L
	57K (70 CRI)		19,300	20,300	13,275	12,150		19000 L	20000 L	13000 L	12000 L
Q2/X2	30K (70 CRI)	100	16,700	17,600	11,500	10,550	100	17000 L	18000 L	12000 L	11000 L
	40K (70 CRI)		17,400	18,300	11,975	10,950		17000 L	18000 L	12000 L	11000 L
	50K (90 CRI)		11,825	12,450	8,150	7,450		12000 L	12000 L	8000 L	7000 L
	57K (70 CRI)		17,400	18,300	11,975	10,950		17000 L	18000 L	12000 L	11000 L
Q1*	30K (70 CRI)	90	14,725	15,500	10,125	9,275	90	15000 L	16000 L	10000 L	9000 L
	40K (70 CRI)		15,400	16,200	10,600	9,700		15000 L	16000 L	11000 L	10000 L
	50K (90 CRI)		10,450	11,000	7,200	6,600		10000 L	11000 L	7000 L	7000 L
	57K (70 CRI)		15,400	16,200	10,600	9,700		15000 L	16000 L	11000 L	10000 L

* X1 option not available with 30L lumen package.

Field Adjustable Output (Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:

The Field Adjustable Output option enables the OSQ area luminaires to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected Q setting and will be fully adjustable between the nine settings. When ordered with the N option, the luminaire will include an ANSI C136.15-2020 utility label that indicates the wattage (rounded to nearest 10W), the lumen output (<= 24,000 lumens rounded to nearest 1000 lumens, > 24,001 lumens rounded to the nearest 2000 lumens), and the CCT of the luminaire at the selected lumen output. Additional dimming functionality is available when a dimming control (by others) is used in the 7-Pin receptacle.

Locked Lumen Output (X8/X7/X6/X5/X4/X3/X2/X1) Option Description:

The Locked Lumen Output option on this page permanently locks the lumen output on the OSQ area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected and will only be able to be adjusted down in the field through a dimming control (by others). When ordered with the N option, the luminaire will include a utility label that indicates the wattage, lumen output, and CCT of the setting selected.

Q & X Option Power & Lumen Data – 40L Lumen Package

Q/X Option Setting	CCT/CRI	System Watts 120-480V	Lumen Values				Utility Label Wattage	Utility Label Lumens			
			Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS		Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS
Q9 (Full Power)	30K (70 CRI)	236	36,500	38,400	25,100	23,000	130	36000 L	38000 L	26000 L	23000 L
	40K (70 CRI)		38,000	40,000	26,200	24,000		38000 L	40000 L	26000 L	24000 L
	50K (90 CRI)		25,900	27,200	17,800	16,300		26000 L	28000 L	18000 L	16000 L
	57K (70 CRI)		38,000	40,000	26,200	24,000		38000 L	40000 L	26000 L	24000 L
Q8/X8	30K (70 CRI)	212	34,800	36,600	23,900	21,900	210	34000 L	36000 L	24000 L	22000 L
	40K (70 CRI)		36,300	38,200	25,000	22,900		36000 L	38000 L	26000 L	23000 L
	50K (90 CRI)		24,600	25,900	16,900	15,500		24000 L	26000 L	17000 L	16000 L
	57K (70 CRI)		36,300	38,200	25,000	22,900		36000 L	38000 L	26000 L	23000 L
Q7/X7	30K (70 CRI)	203	33,400	35,100	23,000	21,000	200	34000 L	36000 L	23000 L	21000 L
	40K (70 CRI)		34,800	36,600	23,900	21,900		34000 L	36000 L	24000 L	22000 L
	50K (90 CRI)		23,700	24,900	16,300	14,925		24000 L	24000 L	16000 L	15000 L
	57K (70 CRI)		34,800	36,600	23,900	21,900		34000 L	36000 L	24000 L	22000 L
Q6/X6	30K (70 CRI)	195	32,200	33,900	22,200	20,300	200	32000 L	34000 L	22000 L	20000 L
	40K (70 CRI)		33,600	35,400	23,100	21,200		34000 L	36000 L	23000 L	21000 L
	50K (90 CRI)		22,800	24,000	15,700	14,375		23000 L	24000 L	16000 L	14000 L
	57K (70 CRI)		33,600	35,400	23,100	21,200		34000 L	36000 L	23000 L	21000 L
Q5/X5	30K (70 CRI)	176	29,500	31,000	20,300	18,600	180	30000 L	32000 L	20000 L	19000 L
	40K (70 CRI)		30,700	32,300	21,100	19,300		30000 L	32000 L	21000 L	19000 L
	50K (90 CRI)		20,900	22,000	14,375	13,175		21000 L	22000 L	14000 L	13000 L
	57K (70 CRI)		30,700	32,300	21,100	19,300		30000 L	32000 L	21000 L	19000 L
Q4/X4	30K (70 CRI)	160	26,800	28,200	18,400	16,900	160	26000 L	28000 L	18000 L	17000 L
	40K (70 CRI)		27,900	29,400	19,200	17,600		28000 L	30000 L	19000 L	18000 L
	50K (90 CRI)		19,000	20,000	13,075	11,975		19000 L	20000 L	13000 L	12000 L
	57K (70 CRI)		27,900	29,400	19,200	17,600		28000 L	30000 L	19000 L	18000 L
Q3/X3	30K (70 CRI)	144	24,700	26,000	17,000	15,600	140	24000 L	26000 L	17000 L	16000 L
	40K (70 CRI)		25,800	27,100	17,700	16,200		26000 L	28000 L	18000 L	16000 L
	50K (90 CRI)		17,500	18,400	12,025	11,025		18000 L	18000 L	12000 L	11000 L
	57K (70 CRI)		25,800	27,100	17,700	16,200		26000 L	28000 L	18000 L	16000 L
Q2/X2	30K (70 CRI)	129	22,200	23,400	15,300	14,025	130	22000 L	23000 L	15000 L	14000 L
	40K (70 CRI)		23,200	24,400	16,000	14,625		23000 L	24000 L	16000 L	15000 L
	50K (90 CRI)		15,800	16,600	10,850	9,950		16000 L	17000 L	11000 L	10000 L
	57K (70 CRI)		23,200	24,400	16,000	14,625		23000 L	24000 L	16000 L	15000 L
Q1/X1	30K (70 CRI)	111	19,700	20,700	13,525	12,400	110	20000 L	21000 L	14000 L	12000 L
	40K (70 CRI)		20,500	21,600	14,125	12,925		21000 L	22000 L	14000 L	13000 L
	50K (90 CRI)		13,925	14,650	9,575	8,775		14000 L	15000 L	10000 L	9000 L
	57K (70 CRI)		20,500	21,600	14,125	12,925		21000 L	22000 L	14000 L	13000 L

Field Adjustable Output (Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:

The Field Adjustable Output option enables the OSQ area luminaires to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected Q setting and will be fully adjustable between the nine settings.

Locked Lumen Output (X8/X7/X6/X5/X4/X3/X2/X1) Option Description:

The Locked Lumen Output option on this page permanently locks the lumen output on the OSQ area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected and will only be able to be adjusted down in the field through a dimming control [by others].

Q & X Option Power & Lumen Data – 50L Lumen Package

Q/X Option Setting	CCT/CRI	System Watts 120-480V	Lumen Values			
			Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS
Q9 (Full Power)	30K (70 CRI)	297	45,600	48,000	31,400	28,700
	40K (70 CRI)		47,500	50,000	32,700	29,900
	50K (90 CRI)		32,300	34,000	22,200	20,400
	57K (70 CRI)		47,500	50,000	32,700	29,900
Q8/X8	30K (70 CRI)	285	43,500	45,800	29,900	27,400
	40K (70 CRI)		45,300	47,700	31,200	28,600
	50K (90 CRI)		30,800	32,400	21,200	19,400
	57K (70 CRI)		45,300	47,700	31,200	28,600
Q7/X7	30K (70 CRI)	269	41,700	43,900	28,700	26,300
	40K (70 CRI)		43,400	45,700	29,900	27,400
	50K (90 CRI)		29,600	31,100	20,300	18,600
	57K (70 CRI)		43,400	45,700	29,900	27,400
Q6/X6	30K (70 CRI)	258	40,300	42,400	27,700	25,400
	40K (70 CRI)		42,000	44,200	28,900	26,500
	50K (90 CRI)		28,600	30,100	19,700	18,000
	57K (70 CRI)		42,000	44,200	28,900	26,500
Q5/X5	30K (70 CRI)	233	36,900	38,800	25,400	23,200
	40K (70 CRI)		38,400	40,400	26,400	24,200
	50K (90 CRI)		26,100	27,500	18,000	16,500
	57K (70 CRI)		38,400	40,400	26,400	24,200
Q4/X4	30K (70 CRI)	215	33,500	35,200	23,000	21,100
	40K (70 CRI)		34,900	36,700	24,000	22,000
	50K (90 CRI)		23,800	25,000	16,300	14,975
	57K (70 CRI)		34,900	36,700	24,000	22,000
Q3/X3	30K (70 CRI)	191	30,900	32,500	21,300	19,500
	40K (70 CRI)		32,200	33,900	22,200	20,300
	50K (90 CRI)		22,000	23,100	15,100	13,825
	57K (70 CRI)		32,200	33,900	22,200	20,300
Q2/X2	30K (70 CRI)	170	27,900	29,300	19,200	17,500
	40K (70 CRI)		29,000	30,500	19,900	18,300
	50K (90 CRI)		19,700	20,700	13,525	12,400
	57K (70 CRI)		29,000	30,500	19,900	18,300
Q1/X1	30K (70 CRI)	153	24,600	25,900	16,900	15,500
	40K (70 CRI)		25,700	27,000	17,700	16,200
	50K (90 CRI)		17,400	18,300	11,975	10,950
	57K (70 CRI)		25,700	27,000	17,700	16,200

Field Adjustable Output (Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:

The Field Adjustable Output option enables the OSQ area luminaires to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected Q setting and will be fully adjustable between the nine settings.

Locked Lumen Output (X8/X7/X6/X5/X4/X3/X2/X1) Option Description:

The Locked Lumen Output option on this page permanently locks the lumen output on the OSQ area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected and will only be able to be adjusted down in the field through a dimming control [by others].

Q & X Option Power & Lumen Data – 65L Lumen Package

Q/X Option Setting	CCT/CRI	System Watts 120-480V	Lumen Values			
			Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS
Q9 (Full Power)	30K (70 CRI)	384	59,300	62,400	40,800	37,400
	40K (70 CRI)		61,800	65,000	42,500	38,900
	50K (90 CRI)		42,000	44,200	28,900	26,500
	57K (70 CRI)		61,800	65,000	42,500	38,900
Q8/X8	30K (70 CRI)	365	56,600	59,500	38,900	35,600
	40K (70 CRI)		58,900	62,000	40,500	37,100
	50K (90 CRI)		40,100	42,200	27,600	25,300
	57K (70 CRI)		58,900	62,000	40,500	37,100
Q7/X7	30K (70 CRI)	347	54,200	57,000	37,300	34,100
	40K (70 CRI)		56,500	59,400	38,800	35,600
	50K (90 CRI)		38,400	40,400	26,400	24,200
	57K (70 CRI)		56,500	59,400	38,800	35,600
Q6/X6	30K (70 CRI)	332	52,500	55,200	36,100	33,100
	40K (70 CRI)		54,700	57,500	37,600	34,400
	50K (90 CRI)		37,200	39,100	25,600	23,400
	57K (70 CRI)		54,700	57,500	37,600	34,400
Q5/X5	30K (70 CRI)	301	47,900	50,400	33,000	30,200
	40K (70 CRI)		49,900	52,500	34,300	31,400
	50K (90 CRI)		33,900	35,700	23,300	21,400
	57K (70 CRI)		49,900	52,500	34,300	31,400
Q4/X4	30K (70 CRI)	276	43,500	45,800	29,900	27,400
	40K (70 CRI)		45,300	47,700	31,200	28,600
	50K (90 CRI)		30,800	32,400	21,200	19,400
	57K (70 CRI)		45,300	47,700	31,200	28,600
Q3/X3	30K (70 CRI)	247	40,200	42,300	27,700	25,300
	40K (70 CRI)		41,900	44,100	28,800	26,400
	50K (90 CRI)		28,500	30,000	19,600	18,000
	57K (70 CRI)		41,900	44,100	28,800	26,400
Q2/X2	30K (70 CRI)	220	36,200	38,100	24,900	22,800
	40K (70 CRI)		37,700	39,700	26,000	23,800
	50K (90 CRI)		25,700	27,000	17,700	16,200
	57K (70 CRI)		37,700	39,700	26,000	23,800
Q1*	30K (70 CRI)	195	31,900	33,600	22,000	20,100
	40K (70 CRI)		33,300	35,000	22,900	21,000
	50K (90 CRI)		22,600	23,800	15,600	14,250
	57K (70 CRI)		33,300	35,000	22,900	21,000

* X1 option not available with 65L lumen package.

Field Adjustable Output (Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:

The Field Adjustable Output option enables the OSQ area luminaires to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected Q setting and will be fully adjustable between the nine settings.

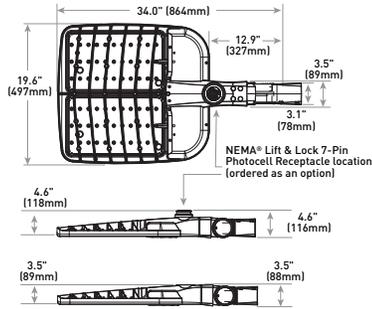
Locked Lumen Output (X8/X7/X6/X5/X4/X3/X2/X1) Option Description:

The Locked Lumen Output option on this page permanently locks the lumen output on the OSQ area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected and will only be able to be adjusted down in the field through a dimming control [by others].

Q & X Option Power & Lumen Data – 75L Lumen Package

Q/X Option Setting	CCT/CRI	System Watts 120-480V	Lumen Values			
			Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS
Q9 (Full Power)	30K (70 CRI)	447	68,400	72,000	47,100	43,100
	40K (70 CRI)		71,300	75,000	49,000	44,900
	50K (90 CRI)		48,500	51,000	33,300	30,500
	57K (70 CRI)		71,300	75,000	49,000	44,900
Q8/X8	30K (70 CRI)	426	65,300	68,700	44,900	41,100
	40K (70 CRI)		68,100	71,600	46,800	42,900
	50K (90 CRI)		46,300	48,700	31,800	29,200
	57K (70 CRI)		68,100	71,600	46,800	42,900
Q7/X7	30K (70 CRI)	404	62,500	65,800	43,000	39,400
	40K (70 CRI)		65,200	68,600	44,900	41,100
	50K (90 CRI)		44,300	46,600	30,500	27,900
	57K (70 CRI)		65,200	68,600	44,900	41,100
Q6/X6	30K (70 CRI)	387	60,500	63,600	41,600	38,100
	40K (70 CRI)		63,000	66,300	43,400	39,700
	50K (90 CRI)		42,900	45,100	29,500	27,000
	57K (70 CRI)		63,000	66,300	43,400	39,700
Q5/X5	30K (70 CRI)	350	55,300	58,200	38,100	34,900
	40K (70 CRI)		57,600	60,600	39,600	36,300
	50K (90 CRI)		39,200	41,200	26,900	24,700
	57K (70 CRI)		57,600	60,600	39,600	36,300
Q4/X4	30K (70 CRI)	321	50,200	52,800	34,500	31,600
	40K (70 CRI)		52,400	55,100	36,000	33,000
	50K (90 CRI)		35,600	37,400	24,500	22,400
	57K (70 CRI)		52,400	55,100	36,000	33,000
Q3/X3	30K (70 CRI)	287	46,400	48,800	31,900	29,200
	40K (70 CRI)		48,400	50,900	33,300	30,500
	50K (90 CRI)		32,900	34,600	22,600	20,700
	57K (70 CRI)		48,400	50,900	33,300	30,500
Q2/X2	30K (70 CRI)	256	41,700	43,900	28,700	26,300
	40K (70 CRI)		43,500	45,800	29,900	27,400
	50K (90 CRI)		29,600	31,100	20,300	18,600
	57K (70 CRI)		43,500	45,800	29,900	27,400
Q1/X1	30K (70 CRI)	227	36,900	38,800	25,400	23,200
	40K (70 CRI)		38,400	40,400	26,400	24,200
	50K (90 CRI)		26,100	27,500	18,000	16,500
	57K (70 CRI)		38,400	40,400	26,400	24,200

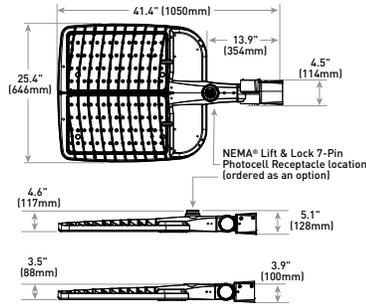
OSQL - AA Mount



Luminaire	Weight
OSQL	28.4 lbs. [12.9kg]

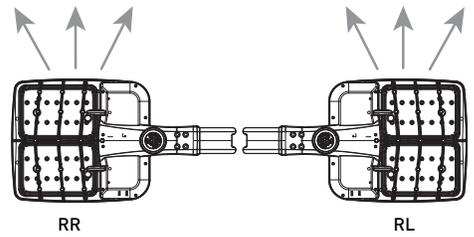
Note: For OSQM w/AA mount, refer to drawing on page 1.

OSQX - AA Mount

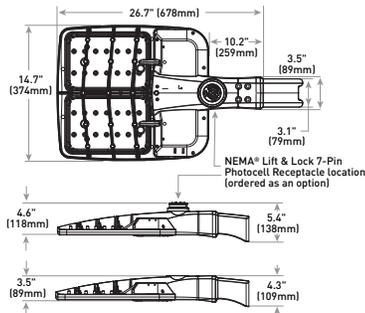


Luminaire	Weight
OSQX	48.6 lbs. [22.0kg]

RR/RL Configuration



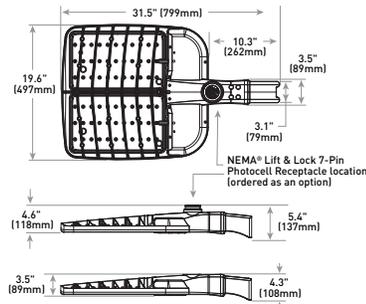
OSQM - DA Mount



Luminaire	Weight
OSQM	19.7 lbs. [8.9kg]

Note: Refer to page 14 for fixture mounting drill pattern.

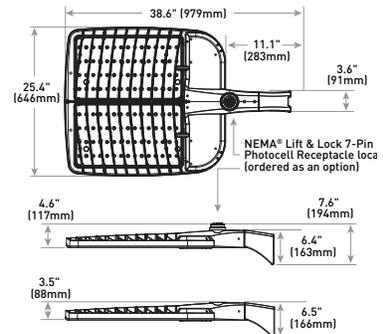
OSQL - DA Mount



Luminaire	Weight
OSQL	28.8 lbs. [13.1kg]

Note: Refer to page 14 for fixture mounting drill pattern.

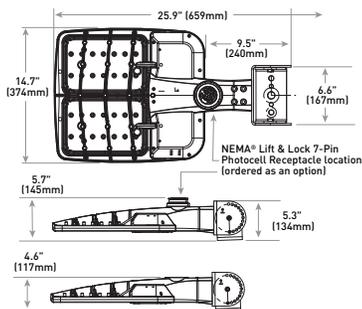
OSQX-DA Mount



Luminaire	Weight
OSQX	45.8 lbs. [20.8kg]

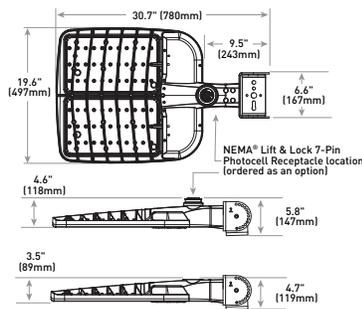
Note: Refer to page 14 for fixture mounting drill pattern.

OSQM - Trunnion Mount



Luminaire	Weight
OSQM	23.2 lbs. [10.5kg]

OSQL - Trunnion Mount



Luminaire	Weight
OSQL	32.3 lbs. [14.7kg]

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Catalog Number
Notes
Type

FEATURES & SPECIFICATIONS

INTENDED USE

Provides years of maintenance-free illumination for outdoor use in residential & commercial applications. Ideal for applications such as lighting walkways and stairways for safety and security.

CONSTRUCTION

Cast-aluminum housing with corrosion-resistant paint in either dark bronze or white finish.

ADA compliant.

OPTICS

4000K CCT LEDs.

Polycarbonate lens protects the LED from moisture, dirt and other contaminants.

LUMEN MAINTENANCE: The LED will deliver 70% of its initial lumens at 50,000 hour average LED life. See Lighting Facts label on page 2 for performance details.

ELECTRICAL

MVOLT driver operates on any line voltage from 120-277V

Operating temperature -30°C to 40°C.

1KV surge protection standard.

INSTALLATION

Surface mounts to universal junction box (provided by others).

LISTINGS

UL Listed to U.S. and Canadian safety standards for wet locations.

Tested in accordance with IESNA LM-79 and LM-80 standards.

WARRANTY — 5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at:

www.acuitybrands.com/support/customer-support/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application.

All values are design or typical values, measured under laboratory conditions at 25 °C.

Specifications subject to change without notice.

Outdoor General Purpose

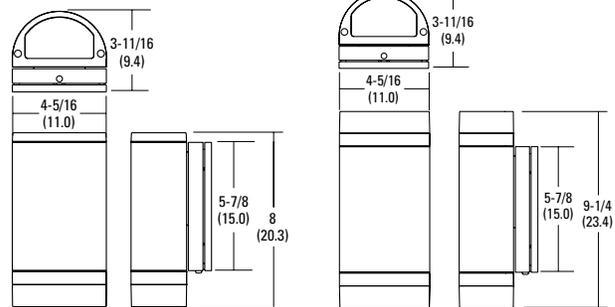
OLLWD & OLLWU

LED WALL CYLINDER LIGHT



Specifications

All dimensions are inches (centimeters)



CONTRACTOR TO VERIFY THAT FIXTURES CAN BE MOUNTED PER PLAN AND ALL NECESSARY HARDWARE IS SPECIFIED FOR INSTALLATION PRIOR TO PURCHASING

ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: OLLWD LED P1 40K MVOLT DDB

Series	Performance Package	Color temperature (CCT)	Voltage	Finish
OLLWD LED Downlight	P1	40K 4000K	MVOLT 120V-277V	DDB Dark bronze
OLLWU LED Up & downlight			120 120V ¹	WH White ²

Notes

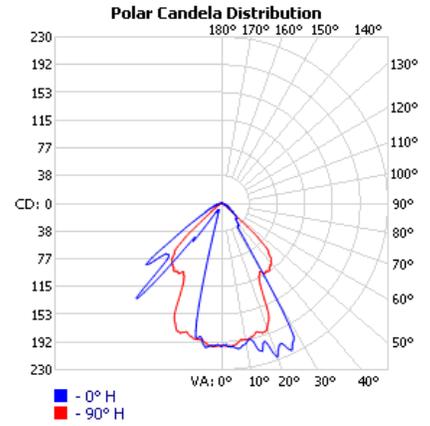
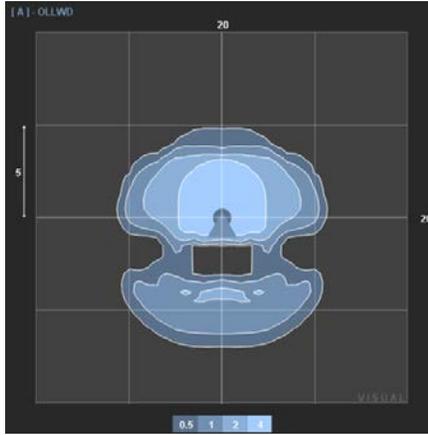
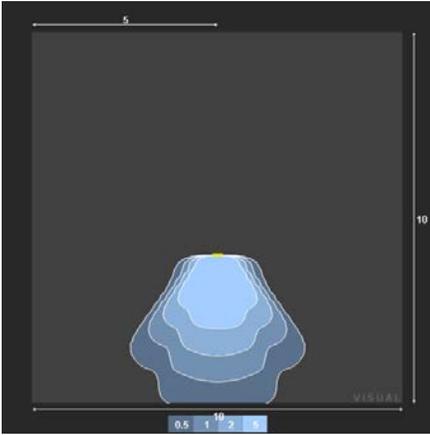
1. Only available with OLLWU and in DDB.
2. Only available with OLLWU.

OLLWD & OLLWU LED Wall Cylinder Light

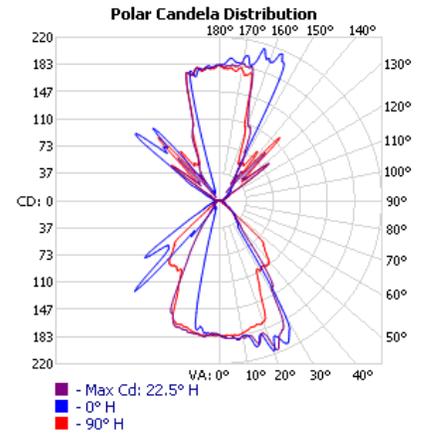
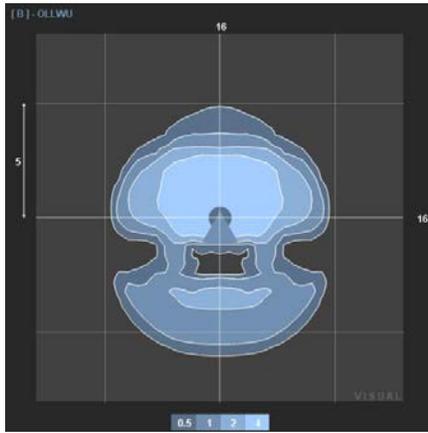
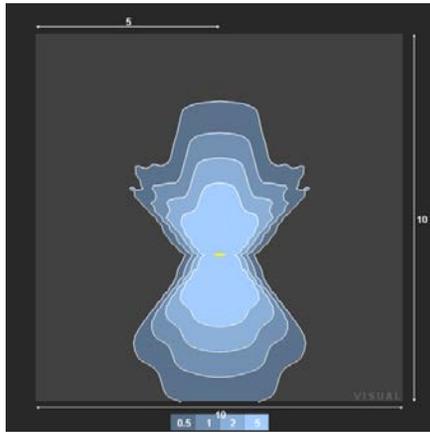
PHOTOMETRICS

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's Outdoor LED homepage
 Tested in accordance with IESNA LM-79 and LM-80 standards.

OLLWD



OLLWU



OLLWD

Lithonia Lighting

LED lighting facts®

A Program of the U.S. DOE

Light Output (Lumens) 533

Watts 9.1

Lumens per Watt (Efficacy) 58.63

Color Accuracy 70

Color Rendering Index (CRI)

Light Color 4000 (Bright White)

Correlated Color Temperature (CCT)

2700K 3000K 4500K 6500K

All results are according to IESNA LM-79-2008. Approved Method for the Electrical and Photometric Testing of Solid State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit www.lightingfacts.com for the Label Reference Guide.

Registration Number: NJSM-W81YMF (7/22/2018)
 Model Number: OLLWD LED P1 40K XXXXX XXX
 Type: Luminaire - Other

OLLWU

Lithonia Lighting

LED lighting facts®

A Program of the U.S. DOE

Light Output (Lumens) 947

Watts 14

Lumens per Watt (Efficacy) 67.64

Color Accuracy 70

Color Rendering Index (CRI)

Light Color 4000 (Bright White)

Correlated Color Temperature (CCT)

2700K 3000K 4500K 6500K

All results are according to IESNA LM-79-2008. Approved Method for the Electrical and Photometric Testing of Solid State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit www.lightingfacts.com for the Label Reference Guide.

Registration Number: NJSM-Y79W8B (7/22/2018)
 Model Number: OLLWU LED P1 40K XXXXX XXX
 Type: Luminaire - Other



DEVELOPMENT APPLICATION

City of Rockwall
Planning and Zoning Department
385 S. Goliad Street
Rockwall, Texas 75087

STAFF USE ONLY
PLANNING & ZONING CASE NO.

SP2023-037

NOTE: THE APPLICATION IS NOT CONSIDERED ACCEPTED BY THE CITY UNTIL THE PLANNING DIRECTOR AND CITY ENGINEER HAVE SIGNED BELOW.

DIRECTOR OF PLANNING:

CITY ENGINEER:

PLEASE CHECK THE APPROPRIATE BOX BELOW TO INDICATE THE TYPE OF DEVELOPMENT REQUEST (SELECT ONLY ONE BOX):

PLATTING APPLICATION FEES:

- MASTER PLAT (\$100.00 + \$15.00 ACRE)¹
- PRELIMINARY PLAT (\$200.00 + \$15.00 ACRE)¹
- FINAL PLAT (\$300.00 + \$20.00 ACRE)¹
- REPLAT (\$300.00 + \$20.00 ACRE)¹
- AMENDING OR MINOR PLAT (\$150.00)
- PLAT REINSTATEMENT REQUEST (\$100.00)

SITE PLAN APPLICATION FEES:

- SITE PLAN (\$250.00 + \$20.00 ACRE)¹
- AMENDED SITE PLAN/ELEVATIONS/LANDSCAPING PLAN (\$100.00)

ZONING APPLICATION FEES:

- ZONING CHANGE (\$200.00 + \$15.00 ACRE)¹
- SPECIFIC USE PERMIT (\$200.00 + \$15.00 ACRE)^{1&2}
- PD DEVELOPMENT PLANS (\$200.00 + \$15.00 ACRE)¹

OTHER APPLICATION FEES:

- TREE REMOVAL (\$75.00)
- VARIANCE REQUEST/SPECIAL EXCEPTIONS (\$100.00)²

NOTES:

¹: IN DETERMINING THE FEE, PLEASE USE THE EXACT ACREAGE WHEN MULTIPLYING BY THE PER ACRE AMOUNT. FOR REQUESTS ON LESS THAN ONE ACRE, ROUND UP TO ONE (1) ACRE.
²: A \$1,000.00 FEE WILL BE ADDED TO THE APPLICATION FEE FOR ANY REQUEST THAT INVOLVES CONSTRUCTION WITHOUT OR NOT IN COMPLIANCE TO AN APPROVED BUILDING PERMIT.

PROPERTY INFORMATION [PLEASE PRINT]

ADDRESS 1601 WINTERSTATE 30, ROCKWALL, TEXAS 75087

SUBDIVISION J LOCKHART

LOT A0134 BLOCK 3-2

GENERAL LOCATION JOHN KING 1/4 1-30 (NW CORNER)

ZONING, SITE PLAN AND PLATTING INFORMATION [PLEASE PRINT]

CURRENT ZONING C2

CURRENT USE VACANT

PROPOSED ZONING C2

PROPOSED USE

ACREAGE 6.5

LOTS [CURRENT] 5

LOTS [PROPOSED]

SITE PLANS AND PLATS: BY CHECKING THIS BOX YOU ACKNOWLEDGE THAT DUE TO THE PASSAGE OF HB3167 THE CITY NO LONGER HAS FLEXIBILITY WITH REGARD TO ITS APPROVAL PROCESS, AND FAILURE TO ADDRESS ANY OF STAFF'S COMMENTS BY THE DATE PROVIDED ON THE DEVELOPMENT CALENDAR WILL RESULT IN THE DENIAL OF YOUR CASE.

OWNER/APPLICANT/AGENT INFORMATION [PLEASE PRINT/CHECK THE PRIMARY CONTACT/ORIGINAL SIGNATURES ARE REQUIRED]

OWNER C2LA, LLC

APPLICANT GARDNER CONSTRUCTION

CONTACT PERSON CORBY FLECK

CONTACT PERSON BART GARDNER/JAMES BELT

ADDRESS 382 RANCH TRAIL

ADDRESS 15950 STATE HIGHWAY 205

CITY, STATE & ZIP ROCKWALL TX 75032

CITY, STATE & ZIP TERNELL TX 75160

PHONE 469-338-0262

PHONE 214-675-4435

E-MAIL CORY@ARASOFAMERICA.COM

E-MAIL BART@GARDNER-CONSTRUCTION.COM

NOTARY VERIFICATION [REQUIRED]

BEFORE ME, THE UNDERSIGNED AUTHORITY, ON THIS DAY PERSONALLY APPEARED James Belt [OWNER] THE UNDERSIGNED, WHO STATED THE INFORMATION ON THIS APPLICATION TO BE TRUE AND CERTIFIED THE FOLLOWING:

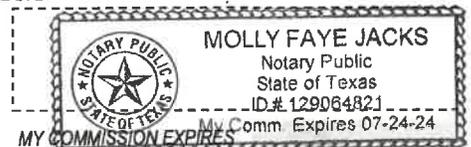
"I HEREBY CERTIFY THAT I AM THE OWNER FOR THE PURPOSE OF THIS APPLICATION; ALL INFORMATION SUBMITTED HEREIN IS TRUE AND CORRECT; AND THE APPLICATION FEE OF \$ 26 TO COVER THE COST OF THIS APPLICATION, HAS BEEN PAID TO THE CITY OF ROCKWALL ON THIS THE 26 DAY OF Sept, 2023 BY SIGNING THIS APPLICATION, I AGREE THAT THE CITY OF ROCKWALL (I.E. "CITY") IS AUTHORIZED AND PERMITTED TO PROVIDE INFORMATION CONTAINED WITHIN THIS APPLICATION TO THE PUBLIC. THE CITY IS ALSO AUTHORIZED AND PERMITTED TO REPRODUCE ANY COPYRIGHTED INFORMATION SUBMITTED IN CONJUNCTION WITH THIS APPLICATION, IF SUCH REPRODUCTION IS ASSOCIATED OR IN RESPONSE TO A REQUEST FOR PUBLIC INFORMATION."

GIVEN UNDER MY HAND AND SEAL OF OFFICE ON THIS THE 26 DAY OF Sept, 2023

OWNER'S SIGNATURE

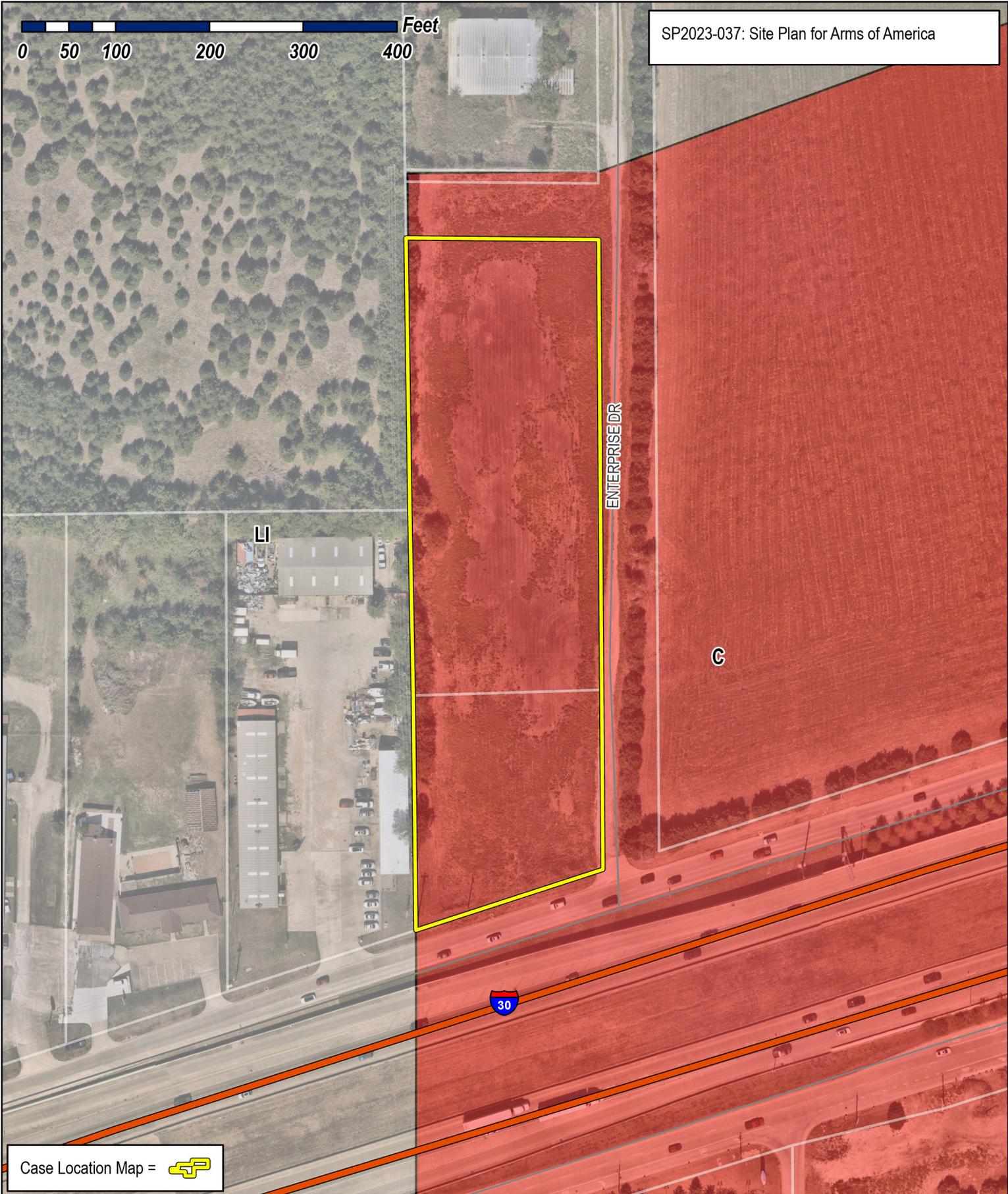
NOTARY PUBLIC IN AND FOR THE STATE OF TEXAS

[Signature]
Molly Faye Jacks



0 50 100 200 300 400 Feet

SP2023-037: Site Plan for Arms of America



Case Location Map = 

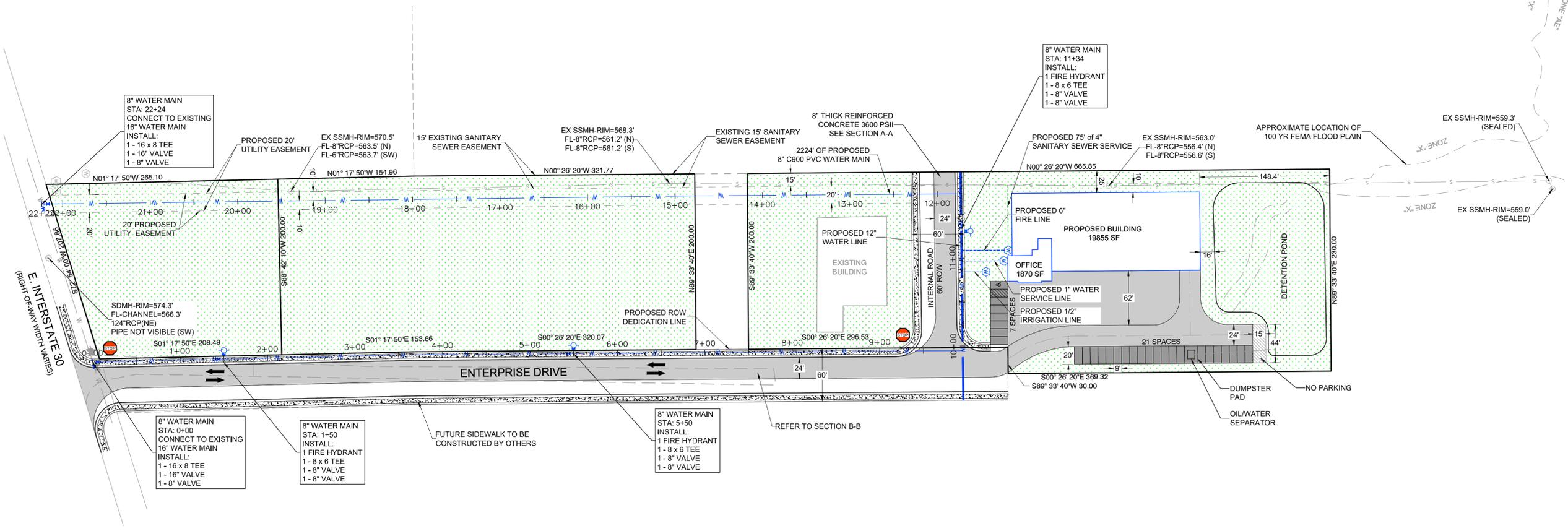
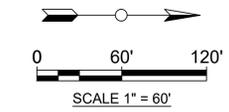


City of Rockwall

Planning & Zoning Department
 385 S. Goliad Street
 Rockwall, Texas 75087
 (P): (972) 771-7745
 (W): www.rockwall.com

The City of Rockwall GIS maps are continually under development and therefore subject to change without notice. While we endeavor to provide timely and accurate information, we make no guarantees. The City of Rockwall makes no warranty, express or implied, including warranties of merchantability and fitness for a particular purpose. Use of the information is the sole responsibility of the user.





- NOTES:**
- CONTRACTOR SHALL FIELD LOCATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.
 - ONLY VISUALLY APPARENT UTILITIES SHOWN ON THE PLANS. CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH ANY UNDERGROUND UTILITY PROVIDERS THAT EXISTS IN THE AREA.
 - WATER AND SANITARY SEWER LINES SHALL MAINTAIN A MINIMUM OF 10' SEPARATION.
 - CONTRACTOR TO COORDINATE WITH THE PROPERTY OWNER WHEN REPLACING THE CONCRETE DRIVE TO NOT TO INTERRUPT TRAFFIC FLOW TO/FROM THE LOT.
- PRIVATE UTILITY NOTE:**
- "ALL WASTEWATER WORK DESIGNATED AS "PRIVATE" IN THIS SET OF PLANS SHALL BE INSTALLED IN ACCORDANCE WITH THE INTERNATIONAL PLUMBING CODE, PERMITTED AND INSPECTED BY THE CITY BUILDING INSPECTION DEPARTMENT AND INSTALLED BY A LICENSED PLUMBER."

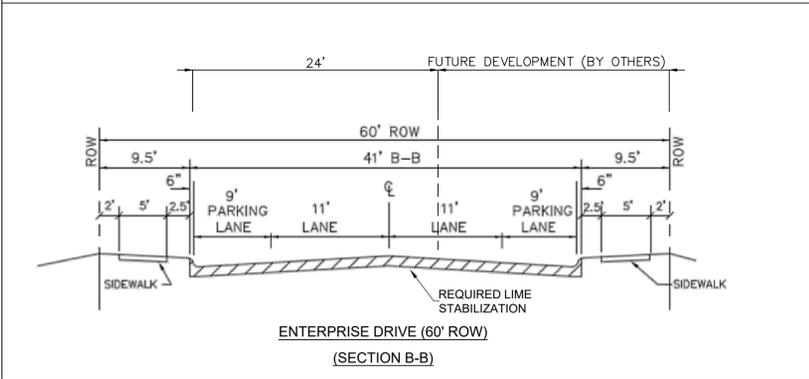
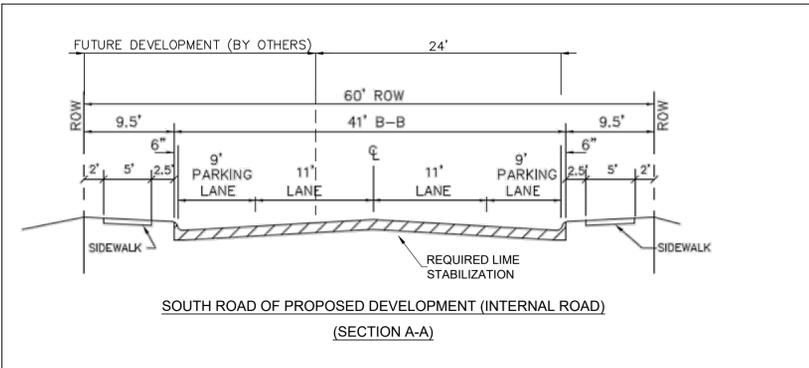
SITE DATA:

TOTAL SITE AREA = 6.58 AC
 TOTAL GREEN SPACE / LANDSCAPE AREA = 5.14 AC
 NO. OF PROPOSED BUILDINGS = 1
 PARKING DIMENSIONS = 9' X 20'

WAREHOUSE AND OFFICE PARKING CALCULAITONS					
No. OF BUILDING	TOTAL FLOOR AREA (SF)	BUILDING TYPE	PARKING CRITERIA	PARKING REQUIRED	PARKING PROVIDED
1	17985	WAREHOUSE WITH INSIDE STORAGE	1\1000 SF	18	20
1	1870	OFFICES	1\300 SF	6	7
HANDICAPPED PARKING SPACES			1/25 SPACES		1
TOTAL PARKING SPACES				24	28

NOTE:

PAVING THICKNESS SHOWN IN PLANS IS FOR INFORMATION PURPOSE ONLY. THE OWNER IS RESPONSIBLE FOR CONTACTING A GEOTECH ENGINEER FOR ALL SOIL RELATED WORKS SUCH AS PAVING, FOUNDATION, EARTHWORK, AND RETAINING WALLS.



SITE PLAN.dwg

SITE PLAN

NOT FOR CONSTRUCTION

No.	Revision/Issue	Date

Firm Name and Address

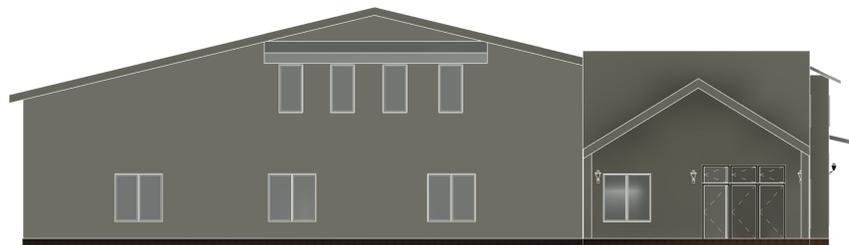
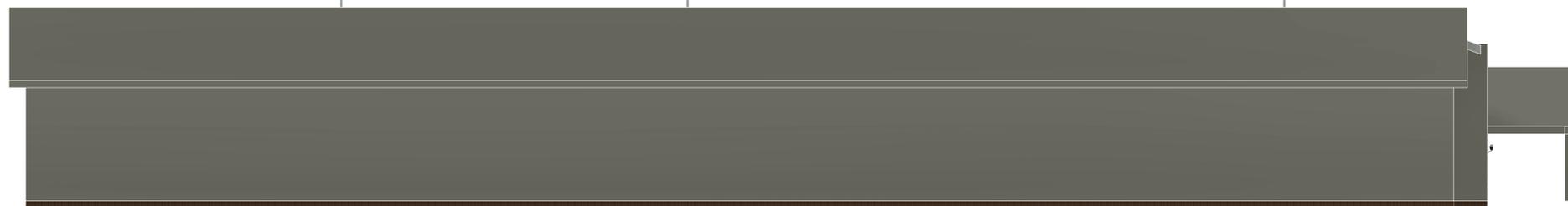
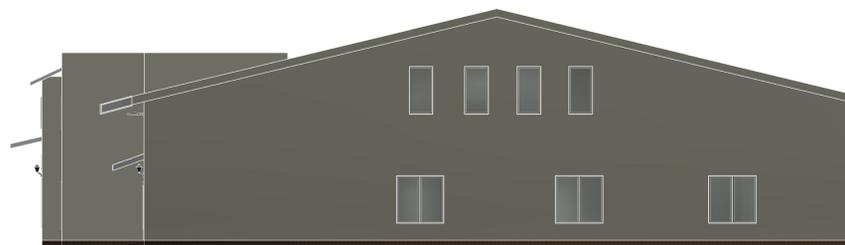
TURNKEY TRACT
 2770 MAIN ST #171
 FRISCO, TX 75033
 F-22283
 nkcivilengineer4@gmail.com
 214-483-1599

Project Name and Address

1601 E INTERSTATE 30
 ROCKWALL, TEXAS 75087

Project	Sheet
Date 08/18/2023	01
Scale	01





GMR Protection Resources
TX Registered Engineering Firm F-13803

V1 231016

REVISION NO.	DESCRIPTION	REVISED BY



Rockwall - 1601 E I30
1601 E I30,
Rockwall, TX 75087

ELEVATIONS

DESIGNED BY:	CAS	DRAWN BY:	CAS
REVIEWED BY:	AWD	APPROVED BY:	KRM

SHEET NO.
LU-6

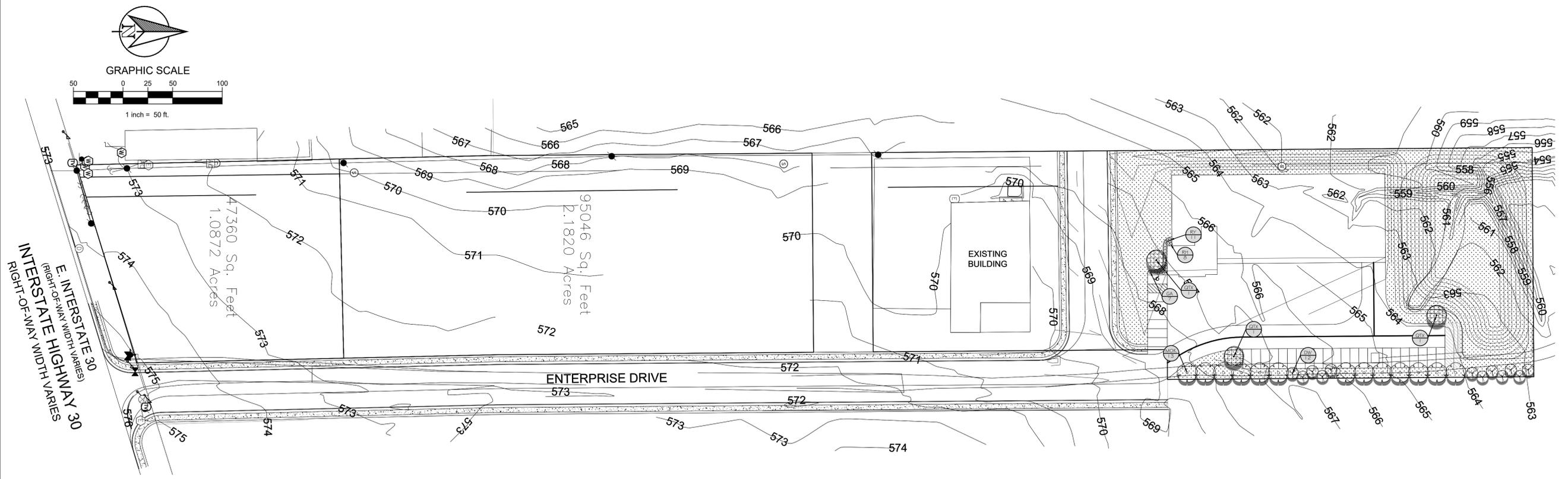


AVA
ARMS OF AMERICA
MILITARY SPORTS









PLANT SCHEDULE

TREES	CODE	COMMON / BOTANICAL NAME	SIZE	CONTAINER	QTY
	DW	Desert Willow / <i>Chilopsis linearis</i> min. 12' ht; street tree	3" Cal.	Cont.	12
	MOK	Monterey Oak / <i>Quercus polymorpha</i> 'Monterey' min. 12' ht; street tree	3" Cal.	Cont.	13
	QTX	Shumard Oak / <i>Quercus shumardii</i> min. 12' ht; parking lot tree	3" Cal.	Cont.	3
SHRUBS	CODE	COMMON / BOTANICAL NAME	SIZE	QTY	
	GA	Glossy Abelia / <i>Abelia grandiflora</i> 36" o.c.	5 gal	7	
	RY	Red Yucca / <i>Hesperaloe parviflora</i> 30" o.c.	3 gal	11	
	RH	Indian Hawthorn / <i>Raphiolepis Indica</i> 'Snow' 36" o.c.	5 gal	8	
GROUND COVERS	CODE	COMMON / BOTANICAL NAME	SIZE	QTY	
	CD	Bermuda Grass / <i>Cynodon dactylon</i> 'tif 419'	sod	47,240 sf	

LANDSCAPE STANDARDS

05.01 LANDSCAPE BUFFERS - NON-RESIDENTIAL	
ENTERPRISE DR.: ±365' STREET FRONTAGE	20' WIDE BUFFER REQ. W/ 3 CANOPY + 4 ACCENT TREE PER 100 LIN. FT. OF FRONTAGE; GROUND COVER, BUILT-UP BERM AND SHRUBBERY ALONG ENTIRE FRONTAGE, 30" HIGH, MIN. 13 CANOPY TREES; 12 ACCENT TREES, W/ SHRUBS 13 NEW CANOPY TREES; 12 ACCENT TREES
REQUIRED PLANTING: PROVIDED 30' BUFFER:	
WEST PROPERTY LINE BUFFER:	NOT REQUIRED. PROPERTY ZONED COMMERCIAL (C)
05.02 LANDSCAPE SCREENING	
REQ. HEADLIGHT SCREENING	HEAD-IN PARKING ADJ. TO STREET SHALL INCORP. MIN. 2' BERM W/ MATURE EVERGREEN SHRUBS ALONG ENTIRE PARKING AREAS N/A N/A
PROVIDED SCREENING SCREENING FROM RESIDENTIAL	N/A N/A
05.03 LANDSCAPE REQUIREMENTS - COMMERCIAL (C) DISTRICT	
TOTAL SITE AREA:	144,251 SF
LANDSCAPE AREA REQUIRED TOTAL SITE:	28,850 SF (20%)
LANDSCAPE PROVIDED, TOTAL SITE:	±29,121 SF
LOCATION OF LANDSCAPING:	MIN. 50% OF REQ. LANDSCAPING SHALL BE LOCATED IN THE FRONT OF & ALONG THE SIDE OF BUILDINGS W/ STREET FRONTAGE.
LANDSCAPE AREAS IN FRONT & SIDES OF BUILDINGS:	102,608 SF (17.4%)
MIN. SIZE OF AREAS:	ALL REQ. LANDSCAPING SHALL BE NO LESS THAN 5' WIDE AND A MIN. OF 25 SF IN AREA
PARKING LOT LANDSCAPING	MIN. 5% OR 200 SF OF LANDSCAPING, WHICHEVER IS GREATER, IN THE INTERIOR OF PARKING LOT AREA. ±6,400 SF
PROPOSED PARKING AREA: REQ. PARKING LOT LANDSCAPING:	±320 SF (6,400 x 5%) AND (1) LG. CANOPY TREE FOR EVERY 10 PARKING SPACES INTERNAL TO PARKING AREAS (PARKING AREA OVER 20,000 SF) REQ. PARKING SPACES MUST BE WITHIN 80' OF A CANOPY TREE TRUNK
PROPOSED PARKING LOT LANDSCAPING:	±1,200 SF 28 PARKING SPACES / 10 = 28 (3) TREES
TREES PROVIDED:	3 CANOPY TREES

GENERAL GRADING AND PLANTING NOTES

- BY SUBMITTING A PROPOSAL FOR THE LANDSCAPE PLANTING SCOPE OF WORK, THE CONTRACTOR CONFIRMS THAT HE HAS READ, AND WILL COMPLY WITH, THE ASSOCIATED NOTES, SPECIFICATIONS, AND DETAILS WITH THIS PROJECT.
- THE GENERAL CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL EXISTING VEGETATION (EXCEPT WHERE NOTED TO REMAIN).
- IN THE CONTEXT OF THESE PLANS, NOTES, AND SPECIFICATIONS, "FINISH GRADE" REFERS TO THE FINAL ELEVATION OF THE SOIL SURFACE (NOT TOP OF MULCH) AS INDICATED ON THE GRADING PLANS.
 - BEFORE STARTING WORK, THE LANDSCAPE CONTRACTOR SHALL VERIFY THAT THE ROUGH GRADES OF ALL LANDSCAPE AREAS ARE WITHIN +/-0.1' OF FINISH GRADE. SEE SPECIFICATIONS FOR MORE DETAILED INSTRUCTION ON TURF AREA AND PLANTING BED PREPARATION.
 - CONSTRUCT AND MAINTAIN FINISH GRADES AS SHOWN ON GRADING PLANS, AND CONSTRUCT AND MAINTAIN SLOPES AS RECOMMENDED BY THE GEOTECHNICAL REPORT. ALL LANDSCAPE AREAS SHALL HAVE POSITIVE DRAINAGE AWAY FROM STRUCTURES AT THE MINIMUM SLOPE SPECIFIED IN THE REPORT AND ON THE GRADING PLANS, AND AREAS OF POTENTIAL PONDING SHALL BE REGRADED TO BLEND IN WITH THE SURROUNDING GRADES AND ELIMINATE PONDING POTENTIAL.
 - THE LANDSCAPE CONTRACTOR SHALL DETERMINE WHETHER OR NOT THE EXPORT OF ANY SOIL WILL BE NEEDED, TAKING INTO ACCOUNT THE ROUGH GRADE PROVIDED, THE AMOUNT OF SOIL AMENDMENTS TO BE ADDED (BASED ON A SOIL TEST, PER SPECIFICATIONS), AND THE FINISH GRADES TO BE ESTABLISHED.
 - AFTER INSTALLING SOIL AMENDMENTS IN SHRUB AREAS, AND IN ORDER TO ALLOW FOR PROPER MULCH DEPTH, ENSURE THAT THE FINISH GRADE IMMEDIATELY ADJACENT TO WALKS AND OTHER WALKING SURFACES IS 3" BELOW FINISH GRADE, TAPERING TO MEET FINISH GRADE AT APPROXIMATELY 18" AWAY FROM THE SURFACE.
 - AFTER INSTALLING SOIL AMENDMENTS IN TURF AREAS, ENSURE THAT THE FINISH GRADE IN TURF AREAS IMMEDIATELY ADJACENT TO WALKS AND OTHER WALKING SURFACES IS 1" BELOW FINISH GRADE, TAPERING TO MEET FINISH GRADE AT APPROXIMATELY 18" AWAY FROM THE SURFACE.
 - SHOULD ANY CONFLICTS AND/OR DISCREPANCIES ARISE BETWEEN THE GRADING PLANS, GEOTECHNICAL REPORT, THESE NOTES AND PLANS, AND ACTUAL CONDITIONS, THE CONTRACTOR SHALL IMMEDIATELY BRING SUCH ITEMS TO THE ATTENTION OF THE LANDSCAPE ARCHITECT, GENERAL CONTRACTOR, AND OWNER.
- ALL PLANT LOCATIONS ARE DIAGRAMMATIC. ACTUAL LOCATIONS SHALL BE VERIFIED WITH THE LANDSCAPE ARCHITECT OR DESIGNER PRIOR TO PLANTING. THE LANDSCAPE CONTRACTOR SHALL ENSURE THAT ALL REQUIREMENTS OF THE PERMITTING AUTHORITY ARE MET (I.E., MINIMUM PLANT QUANTITIES, PLANTING METHODS, TREE PROTECTION METHODS, ETC.).
 - THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR DETERMINING PLANT QUANTITIES; PLANT QUANTITIES SHOWN ON LEGENDS AND CALLOUTS ARE FOR GENERAL INFORMATION ONLY. IN THE EVENT OF A DISCREPANCY BETWEEN THE PLAN AND THE PLANT LEGEND, THE PLANT QUANTITY AS SHOWN ON THE PLAN (FOR INDIVIDUAL SYMBOLS) OR CALLOUT (FOR GROUNDCOVER PATTERNS) SHALL TAKE PRECEDENCE.
 - NO SUBSTITUTIONS OF PLANT MATERIALS SHALL BE ALLOWED WITHOUT THE WRITTEN PERMISSION OF THE LANDSCAPE ARCHITECT.** IF SOME OF THE PLANTS ARE NOT AVAILABLE, THE LANDSCAPE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT IN WRITING (VIA PROPER CHANNELS).
 - THE CONTRACTOR SHALL, AT A MINIMUM, PROVIDE REPRESENTATIVE PHOTOS OF ALL PLANTS PROPOSED FOR THE PROJECT. THE CONTRACTOR SHALL ALLOW THE LANDSCAPE ARCHITECT AND THE OWNER/OWNER'S REPRESENTATIVE TO INSPECT, AND APPROVE OR REJECT, ALL PLANTS DELIVERED TO THE JOBSITE. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS FOR SUBMITTALS.
- THE CONTRACTOR SHALL MAINTAIN THE LANDSCAPE IN A HEALTHY CONDITION FOR 90 DAYS AFTER ACCEPTANCE BY THE OWNER. REFER TO SPECIFICATIONS FOR CONDITIONS OF ACCEPTANCE FOR THE START OF THE MAINTENANCE PERIOD, AND FOR FINAL ACCEPTANCE AT THE END OF THE MAINTENANCE PERIOD.
- PROVIDE HYDROMULCH FOR ALL DISTURBED LANDSCAPE AREAS OUTSIDE PROPERTY LIMITS.
- SEE SPECIFICATIONS AND DETAILS FOR FURTHER REQUIREMENTS.

PLANTING AND IRRIGATION GUARANTEE

THE LANDSCAPE CONTRACTOR SHALL GUARANTEE THAT ALL NEWLY INSTALLED AND EXISTING PLANTS SHALL SURVIVE FOR ONE YEAR AFTER FINAL OWNER ACCEPTANCE OF THE INSTALLATION WORK. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR APPROPRIATE WATERING OF THE LANDSCAPE THROUGH INSTALLATION OF A PROPERLY DESIGNED IRRIGATION SYSTEM. THE OWNER SHALL APPROVE THE SYSTEM DESIGN BEFORE INSTALLATION OF PLANTS OR IRRIGATION.

MULCHES

AFTER ALL PLANTING IS COMPLETE, CONTRACTOR SHALL INSTALL 3" THICK LAYER OF 1-1/2" SHREDDED WOOD MULCH, NATURAL (UNDYED), IN ALL PLANTING AREAS (EXCEPT FOR TURF AND SEEDING AREAS). CONTRACTOR SHALL SUBMIT SAMPLES OF ALL MULCHES TO LANDSCAPE ARCHITECT AND OWNER FOR APPROVAL PRIOR TO CONSTRUCTION. ABSOLUTELY NO EXPOSED GROUND SHALL BE LEFT SHOWING ANYWHERE ON THE PROJECT AFTER MULCH HAS BEEN INSTALLED (SUBJECT TO THE CONDITIONS AND REQUIREMENTS OF THE "GENERAL GRADING AND PLANTING NOTES" AND SPECIFICATIONS).

ROOT BARRIERS

THE CONTRACTOR SHALL INSTALL ROOT BARRIERS NEAR ALL NEWLY-PLANTED TREES THAT ARE LOCATED WITHIN FIVE (5) FEET OF PAVING OR CURBS. ROOT BARRIERS SHALL BE "CENTURY" OR "DEEP-ROOT" 24" DEEP PANELS (OR EQUAL). BARRIERS SHALL BE LOCATED IMMEDIATELY ADJACENT TO HARDSCAPE. INSTALL PANELS PER MANUFACTURER'S RECOMMENDATIONS. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR USE ROOT BARRIERS OF A TYPE THAT COMPLETELY ENCIRCLE THE ROOTBALL.

PLANTING SPECIFICATIONS

GENERAL

- A. QUALIFICATIONS OF LANDSCAPE CONTRACTOR**
- ALL LANDSCAPE WORK SHOWN ON THESE PLANS SHALL BE PERFORMED BY A SINGLE FIRM SPECIALIZING IN LANDSCAPE PLANTING.
 - A LIST OF SUCCESSFULLY COMPLETED PROJECTS OF THIS TYPE, SIZE AND NATURE MAY BE REQUESTED BY THE OWNER FOR FURTHER QUALIFICATION MEASURES.
 - THE LANDSCAPE CONTRACTOR MUST HOLD A VALID NURSERY AND FLORAL CERTIFICATE ISSUED BY THE TEXAS DEPARTMENT OF AGRICULTURE, AS WELL AS OPERATE UNDER A COMMERCIAL PESTICIDE APPLICATOR LICENSE ISSUED BY EITHER THE TEXAS DEPARTMENT OF AGRICULTURE OR THE TEXAS STRUCTURAL PEST CONTROL BOARD.
- B. SCOPE OF WORK**
- WORK COVERED BY THESE SECTIONS INCLUDES THE FURNISHING AND PAYMENT OF ALL MATERIALS, LABOR, SERVICES, EQUIPMENT, LICENSES, TAXES AND ANY OTHER ITEMS THAT ARE NECESSARY FOR THE EXECUTION, INSTALLATION AND COMPLETION OF ALL WORK, SPECIFIED HEREIN AND / OR SHOWN ON THE LANDSCAPE PLANS, NOTES, AND DETAILS.
 - ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE LAWS, CODES AND REGULATIONS REQUIRED BY AUTHORITIES HAVING JURISDICTION OVER SUCH WORK, INCLUDING ALL INSPECTIONS AND PERMITS REQUIRED BY FEDERAL, STATE AND LOCAL AUTHORITIES IN SUPPLY, TRANSPORTATION AND INSTALLATION OF MATERIALS.
 - THE LANDSCAPE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UNDERGROUND UTILITY LINES (WATER, SEWER, ELECTRICAL, TELEPHONE, GAS, CABLE, TELEVISION, ETC.) PRIOR TO THE START OF ANY WORK.

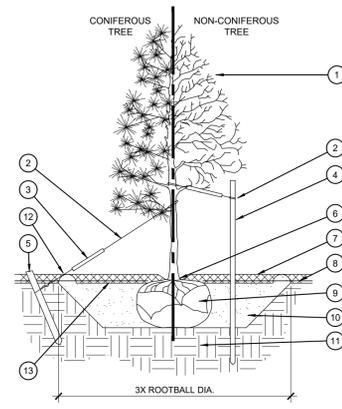
PRODUCTS

- A. ALL MANUFACTURED PRODUCTS SHALL BE NEW.**
- B. CONTAINER AND BALLED-AND-BURLAPPED PLANTS:**
- FURNISH NURSERY-GROWN PLANTS COMPLYING WITH ANSI Z60.1-2004. PROVIDE WELL-SHAPED, FULLY BRANCHED, HEALTHY, VIGOROUS STOCK FREE OF DISEASE, INSECTS, EGGS, LARVAE, AND DEFECTS SUCH AS KNOTS, SUN SCALD, INJURIES, ABRASIONS, AND DISFIGUREMENT. ALL PLANTS WITHIN A SPECIES SHALL HAVE SIMILAR SIZE, AND SHALL BE OF A FORM TYPICAL FOR THE SPECIES. ALL TREES SHALL BE OBTAINED FROM SOURCES WITHIN 200 MILES OF THE PROJECT SITE, AND WITH SIMILAR CLIMATIC CONDITIONS.
 - ROOT SYSTEMS SHALL BE HEALTHY, DENSELY BRANCHED, FIBROUS ROOT SYSTEMS, NON-POT-BOUND, FREE FROM ENCIRCLING AND/OR GIRDLING ROOTS, AND FREE FROM ANY OTHER ROOT DEFECTS (SUCH AS "SHARPED ROOTS").
 - ANY PLANT DEEMED UNACCEPTABLE BY THE LANDSCAPE ARCHITECT OR OWNER SHALL BE IMMEDIATELY REMOVED FROM THE SITE AND SHALL BE REPLACED WITH AN ACCEPTABLE PLANT OF LIKE TYPE AND SIZE AT THE CONTRACTOR'S OWN EXPENSE. ANY PLANTS APPEARING TO BE UNHEALTHY, EVEN IF DETERMINED TO STILL BE ALIVE, SHALL NOT BE ACCEPTED. THE LANDSCAPE ARCHITECT AND OWNER SHALL BE THE SOLE JUDGES AS TO THE ACCEPTABILITY OF PLANT MATERIAL.
 - ALL TREES SHALL BE STANDARD IN FORM, UNLESS OTHERWISE SPECIFIED. TREES WITH CENTRAL LEADERS WILL NOT BE ACCEPTED IF LEADER IS DAMAGED OR REMOVED. PRUNE ALL DAMAGED TWIGS AFTER PLANTING.
 - CALIPER MEASUREMENTS FOR STANDARD (SINGLE TRUNK) TREES SHALL BE AS FOLLOWS: SIX INCHES ABOVE THE ROOT FLARE FOR TREES UP TO AND INCLUDING FOUR INCHES IN CALIPER, AND TWELVE INCHES ABOVE THE ROOT FLARE FOR TREES EXCEEDING FOUR INCHES IN CALIPER.
 - MULTI-TRUNK TREES SHALL BE MEASURED BY THEIR OVERALL HEIGHT, MEASURED FROM THE TOP OF THE ROOT BALL.
 - ANY TREE OR SHRUB SHOWN TO HAVE EXCESS SOIL PLACED ON TOP OF THE ROOT BALL, SO THAT THE ROOT FLARE HAS BEEN COMPLETELY COVERED, SHALL BE REJECTED.
- C. SOD:** PROVIDE WELL-ROOTED SOD OF THE VARIETY NOTED ON THE PLANS. SOD SHALL BE CUT FROM HEALTHY, MATURE TURF WITH SOIL THICKNESS OF 3/4" TO 1". EACH Pallet OF SOD SHALL BE ACCOMPANIED BY A CERTIFICATE FROM SUPPLIER STATING THE COMPOSITION OF THE SOD.
- D. SEED:** PROVIDE BLEND OF SPECIES AND VARIETIES AS NOTED ON THE PLANS, WITH MAXIMUM PERCENTAGES OF PURITY, GERMINATION, AND MINIMUM PERCENTAGE OF WEED SEED AS INDICATED ON PLANS. EACH BAG OF SEED SHALL BE ACCOMPANIED BY A TAG FROM THE SUPPLIER INDICATING THE COMPOSITION OF THE SEED.
- E. TOPSOIL:** SANDY TO CLAY LOAM TOPSOIL, FREE OF STONES LARGER THAN 1/2 INCH, FOREIGN MATTER, PLANTS, ROOTS, AND SEEDS.
- F. COMPOST:** WELL-COMPOSTED, STABLE, AND WEED-FREE ORGANIC MATTER, pH RANGE OF 5.5 TO 8; MOISTURE CONTENT 35 TO 55 PERCENT BY WEIGHT; 100 PERCENT PASSING THROUGH 3/4-INCH SIEVE; SOLUBLE SALT CONTENT OF 5 TO 10 DECISEMENS/M; NOT EXCEEDING 0.5 PERCENT INERT CONTAMINANTS AND FREE OF SUBSTANCES TOXIC TO PLANTINGS. NO MANURE OR ANIMAL-BASED PRODUCTS SHALL BE USED.
- G. PLANTING MIX:** AN EQUAL PART MIXTURE OF TOPSOIL, SAND AND COMPOST.
- H. FERTILIZER:** GRANULAR FERTILIZER CONSISTING OF NITROGEN, PHOSPHORUS, POTASSIUM, AND OTHER NUTRIENTS IN PROPORTIONS, AMOUNTS, AND RELEASE RATES RECOMMENDED IN A SOIL REPORT FROM A QUALIFIED SOIL-TESTING AGENCY (SEE BELOW).
- I. MULCH:** SIZE AND TYPE AS INDICATED ON PLANS, FREE FROM DELETERIOUS MATERIALS AND SUITABLE AS A TOP DRESSING OF TREES AND SHRUBS.
- J. WEED FABRIC:** 5 OUNCE, WOVEN, NEEDLE-PUNCHED FABRIC, SUCH AS DEWITT PRO5 LANDSCAPE FABRIC (OR APPROVED EQUAL).
- K. TREE STAKING AND GUYING**
- STAKES: 6" LONG GREEN METAL T-POSTS.
 - GUY AND TIE WIRE: ASTM A 641, CLASS 1, GALVANIZED-STEEL WIRE, 2-STRAND, TWISTED, 0.108 INCH DIAMETER.
 - STRAP CHAFING GUARD: REINFORCED NYLON OR CANVAS AT LEAST 1-1/2 INCH WIDE, WITH GROMMETS TO PROTECT TREE TRUNKS FROM DAMAGE.
- L. STEEL EDGING:** PROFESSIONAL STEEL EDGING, 14 GAUGE THICK X 4 INCHES WIDE, FACTORY PAINTED DARK GREEN. ACCEPTABLE MANUFACTURERS INCLUDE COL-MET OR APPROVED EQUAL.
- M. PRE-EMERGENT HERBICIDES:** ANY GRANULAR, NON-STAINING PRE-EMERGENT HERBICIDE THAT IS LABELED FOR THE SPECIFIC ORNAMENTALS OR TURF ON WHICH IT WILL BE UTILIZED. PRE-EMERGENT HERBICIDES SHALL BE APPLIED PER THE MANUFACTURER'S LABELED RATES.

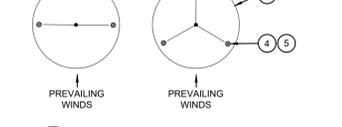
METHODS

- A. SOIL PREPARATION**
- BEFORE STARTING WORK, THE LANDSCAPE CONTRACTOR SHALL VERIFY THAT THE GRADE OF ALL LANDSCAPE AREAS ARE WITHIN +/-0.1' OF FINISH GRADE. THE CONTRACTOR SHALL NOTIFY THE OWNER IMMEDIATELY SHOULD ANY DISCREPANCIES EXIST.
 - SOIL TESTING:
 - AFTER FINISH GRADES HAVE BEEN ESTABLISHED, CONTRACTOR SHALL HAVE SOIL SAMPLES TESTED BY AN ESTABLISHED SOIL TESTING LABORATORY FOR THE FOLLOWING: SOIL TEXTURAL CLASS, GENERAL SOIL FERTILITY, pH, ORGANIC MATTER CONTENT, SALT (CEC), LIME, SODIUM ADSORPTION RATIO (SAR) AND BORON CONTENT. EACH SAMPLE SUBMITTED SHALL CONTAIN NO LESS THAN ONE QUART OF SOIL.
 - CONTRACTOR SHALL ALSO SUBMIT THE PROJECTS PLANT LIST TO THE LABORATORY ALONG WITH THE SOIL SAMPLES.
 - THE SOIL REPORT PRODUCED BY THE LABORATORY SHALL CONTAIN RECOMMENDATIONS FOR THE FOLLOWING (AS APPROPRIATE): GENERAL SOIL PREPARATION AND BACKFILL MIXES, PRE-PLANT FERTILIZER APPLICATIONS, AND ANY OTHER SOIL RELATED ISSUES. THE REPORT SHALL ALSO PROVIDE A FERTILIZER PROGRAM FOR THE ESTABLISHMENT PERIOD AND FOR LONG-TERM MAINTENANCE.
 - THE CONTRACTOR SHALL INSTALL SOIL AMENDMENTS AND FERTILIZERS PER THE SOILS REPORT RECOMMENDATIONS. ANY CHANGE IN COST DUE TO THE SOIL REPORT RECOMMENDATIONS, EITHER INCREASE OR DECREASE, SHALL BE SUBMITTED TO THE OWNER WITH THE REPORT.
 - FOR BIDDING PURPOSES ONLY, THE SOIL PREPARATION SHALL CONSIST OF THE FOLLOWING:
 - TURF: INCORPORATE THE FOLLOWING AMENDMENTS INTO THE TOP 8" OF SOIL BY MEANS OF ROTOTILLING AFTER CROSS-RIPPING:
 - NITROGEN STABILIZED ORGANIC AMENDMENT - 4 CU. YDS. PER 1,000 S.F.
 - AMMONIUM PHOSPHATE 16-20-0 - 15 LBS PER 1,000 S.F.
 - AGRICULTURAL GYPSUM - 100 LBS PER 1,000 S.F.
 - TREES, SHRUBS, AND PERENNIALS: INCORPORATE THE FOLLOWING AMENDMENTS INTO THE TOP 8" OF SOIL BY MEANS OF ROTOTILLING AFTER CROSS-RIPPING:
 - NITROGEN STABILIZED ORGANIC AMENDMENT - 4 CU. YDS. PER 1,000 S.F.
 - 12-12-12 FERTILIZER - 10 LBS. PER CU. YD.
 - AGRICULTURAL GYPSUM - 10 LBS. PER CU. YD.
 - IRON SULPHATE - 2 LBS. PER CU. YD.
 - CONTRACTOR SHALL ENSURE THAT THE GRADE IN SOD AREAS SHALL BE 1" BELOW FINISH GRADE AFTER INSTALLING SOIL AMENDMENTS, AND 2" BELOW FINISH GRADE IN SHRUB AREAS AFTER INSTALLING SOIL AMENDMENTS. MULCH COVER WITHIN 6" OF CONCRETE WALKS AND CURBS SHALL NOT PROTRUDE ABOVE THE FINISH SURFACE OF THE WALKS AND CURBS. MULCH COVER WITHIN 12" OF WALLS SHALL BE AT LEAST 3" LOWER THAN THE TOP OF WALL.
 - ONCE SOIL PREPARATION IS COMPLETE, THE LANDSCAPE CONTRACTOR SHALL ENSURE THAT THERE ARE NO DEBRIS, TRASH, OR STONES LARGER THAN 1" REMAINING IN THE TOP 6" OF SOIL.

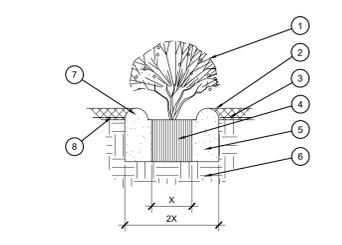
- B. GENERAL PLANTING**
- REMOVE ALL NURSERY TAGS AND STAKES FROM PLANTS.
 - EXCEPT IN AREAS TO BE PLANTED WITH ORNAMENTAL GRASSES, APPLY PRE-EMERGENT HERBICIDES AT THE MANUFACTURER'S RECOMMENDED RATE.
 - TRENCHING NEAR EXISTING TREES:
 - CONTRACTOR SHALL NOT DISTURB ROOTS 1-1/2" AND LARGER IN DIAMETER WITHIN THE CRITICAL ROOT ZONE (CRZ) OF EXISTING TREES, AND SHALL EXERCISE ALL POSSIBLE CARE AND PRECAUTIONS TO AVOID INJURY TO TREE ROOTS, TRUNKS, AND BRANCHES. THE CRZ IS DEFINED AS A CIRCULAR AREA EXTENDING OUTWARD FROM THE TREE TRUNK, WITH A RADIUS EQUAL TO 1" FOR EVERY 1" OF TRUNK DIAMETER-AT-BREAST-HEIGHT (4.5' ABOVE THE GRADE AT THE TRUNK).
 - ALL EXCAVATION WITHIN THE CRZ SHALL BE PERFORMED USING HAND TOOLS. NO MACHINE EXCAVATION OR TRENCHING OF ANY KIND SHALL BE ALLOWED WITHIN THE CRZ.
 - ALTER ALIGNMENT OF PIPE TO AVOID TREE ROOTS 1-1/2" AND LARGER IN DIAMETER. WHERE TREE ROOTS 1-1/2" AND LARGER IN DIAMETER ARE ENCOUNTERED IN THE FIELD, TUNNEL UNDER SUCH ROOTS. WRAP EXPOSED ROOTS WITH SEVERAL LAYERS OF BURLAP AND KEEP MOIST. CLOSE ALL TRENCHES WITHIN THE CANOPY DRIP LINES WITHIN 24 HOURS.
 - ALL SEVERED ROOTS SHALL BE HAND PRUNED WITH SHARP TOOLS AND ALLOWED TO AIR-DRY. DO NOT USE ANY SORT OF SEALERS OR WOUND PAINTS.
- C. TREE PLANTING**
- TREE PLANTING HOLES SHALL BE EXCAVATED TO MINIMUM WIDTH OF TWO TIMES THE WIDTH OF THE ROOTBALL, AND TO A DEPTH EQUAL TO THE DEPTH OF THE ROOTBALL, LESS TWO INCHES. SCARIFY THE SIDES AND BOTTOM OF THE PLANTING HOLE PRIOR TO THE PLACEMENT OF THE TREE. REMOVE ANY GLAZING THAT MAY HAVE BEEN CAUSED DURING THE EXCAVATION OF THE HOLE.
 - FOR CONTAINER TREES, TO REMOVE ANY POTENTIALLY GIRDLING ROOTS AND OTHER ROOT DEFECTS, THE CONTRACTOR SHALL SHAVE A 1" LAYER OFF OF THE SIDES AND BOTTOM OF THE ROOTBALL OF ALL TREES JUST BEFORE PLACING INTO THE PLANTING PIT. DO NOT "TEASE" ROOTS OUT FROM THE ROOTBALL.
 - INSTALL THE TREE ON UNDISTURBED SUBGRADE SO THAT THE TOP OF THE ROOTBALL IS TWO TO THREE INCHES ABOVE THE SURROUNDING GRADE.
 - BACKFILL THE TREE HOLE UTILIZING THE EXISTING TOPSOIL FROM ON-SITE. ROCKS LARGER THAN 1" DIA. AND ALL OTHER DEBRIS SHALL BE REMOVED FROM THE SOIL PRIOR TO THE BACKFILL. SHOULD ADDITIONAL SOIL BE REQUIRED TO ACCOMPLISH THIS TASK, IMPORT ADDITIONAL TOPSOIL FROM OFF-SITE AT NO ADDITIONAL COST TO THE OWNER.
 - THE TOTAL NUMBER OF TREE STAKES (BEYOND THE MINIMUMS LISTED BELOW) WILL BE LEFT TO THE LANDSCAPE CONTRACTOR'S DISCRETION. SHOULD ANY TREES FALL OR LEAN, THE LANDSCAPE CONTRACTOR SHALL STRAIGHTEN THE TREE OR REPLACE IT SHOULD IT BECOME DAMAGED. TREE STAKING SHALL ADHERE TO THE FOLLOWING GUIDELINES:
 - 15 - 30 GAL TREES TWO STAKES PER TREE
 - 45 - 100 GAL TREES THREE STAKES PER TREE
 - MULTI-TRUNK TREES THREE STAKES PER TREE MINIMUM, POSITIONED AS NEEDED TO STABILIZE THE TREE
 - UPON COMPLETION OF PLANTING, CONSTRUCT AN EARTH WATERING BASIN AROUND THE TREE. COVER THE INTERIOR OF THE TREE RING WITH THE WEED BARRIER CLOTH AND TOPDRESS WITH MULCH (TYPE AND DEPTH PER PLANS).
- D. SHRUB, PERENNIAL AND GROUND-COVER PLANTING**
- DIG THE PLANTING HOLES TWICE AS WIDE AND 2" LESS DEEP THAN EACH PLANT'S ROOTBALL. INSTALL THE PLANT IN THE HOLE. BACKFILL AROUND THE PLANT WITH SOIL AMENDED PER SOIL TEST RECOMMENDATIONS.
 - INSTALL THE WEED BARRIER CLOTH, OVERLAPPING IT AT THE ENDS. UTILIZE STEEL STAPLES TO KEEP THE WEED BARRIER CLOTH IN PLACE.
 - WHEN PLANTING IS COMPLETE, INSTALL MULCH (TYPE AND DEPTH PER PLANS) OVER ALL PLANTING BEDS, COVERING THE ENTIRE PLANTING AREA.
- E. SODDING**
- SOD VARIETY TO BE AS SPECIFIED ON THE LANDSCAPE PLAN.
 - LAY SOD WITHIN 24 HOURS FROM THE TIME OF STRIPPING. DO NOT LAY IF THE GROUND IS FROZEN.
 - LAY THE SOD TO FORM A SOLID MASS WITH TIGHTLY FITTED JOINTS. BUTT ENDS AND SIDES OF SOD STRIPS - DO NOT OVERLAP. STAGGER STRIPS TO OFFSET JOINTS IN ADJACENT COURSES.
 - ROLL THE SOD TO ENSURE GOOD CONTACT OF THE SOD'S ROOT SYSTEM WITH THE SOIL UNDERNEATH.
 - WATER THE SOD THOROUGHLY WITH A FINE SPRAY IMMEDIATELY AFTER PLANTING TO OBTAIN AT LEAST SIX INCHES OF PENETRATION INTO THE SOIL BELOW THE SOD.
- F. HYDROMULCHING**
- THE HYDROMULCH MIX (PER 1,000 SF) SHALL BE AS FOLLOWS:
 - WINTER MIX (OCTOBER 1 - MARCH 31)
 - 50# CELLULOSE FIBER MULCH
 - 2# UNHULLED BERMUDA SEED
 - 2# ANNUAL RYE SEED
 - 15# 15-15-15 WATER SOLUBLE FERTILIZER
 - SUMMER MIX (APRIL 1 - SEPTEMBER 30)
 - 50# CELLULOSE FIBER MULCH
 - 2# HULLED BERMUDA SEED
 - 15# 15-15-15 WATER SOLUBLE FERTILIZER
- G. CLEAN UP**
- DURING LANDSCAPE PREPARATION AND PLANTING, KEEP ALL PAVEMENT CLEAN AND ALL WORK AREAS IN A NEAT, ORDERLY CONDITION.
 - DISPOSED LEGALLY OF ALL EXCAVATED MATERIALS OFF THE PROJECT SITE.
- H. INSPECTION AND ACCEPTANCE**
- UPON COMPLETION OF THE WORK, THE LANDSCAPE CONTRACTOR SHALL PROVIDE THE SITE CLEAN, FREE OF DEBRIS AND TRASH, AND SUITABLE FOR USE AS INTENDED. THE LANDSCAPE CONTRACTOR SHALL THEN REQUEST AN INSPECTION BY THE OWNER TO DETERMINE FINAL ACCEPTABILITY.
 - WHEN THE INSPECTED PLANTING WORK DOES NOT COMPLY WITH THE CONTRACT DOCUMENTS, THE LANDSCAPE CONTRACTOR SHALL REPLACE AND/OR REPAIR THE REJECTED WORK TO THE OWNER'S SATISFACTION WITHIN 24 HOURS.
 - THE LANDSCAPE MAINTENANCE PERIOD WILL NOT COMMENCE UNTIL THE LANDSCAPE WORK HAS BEEN RE-INSPECTED BY THE OWNER AND FOUND TO BE ACCEPTABLE. AT THAT TIME, A WRITTEN NOTICE OF FINAL ACCEPTANCE WILL BE ISSUED BY THE OWNER, AND THE MAINTENANCE AND GUARANTEE PERIODS WILL COMMENCE.
- I. LANDSCAPE MAINTENANCE**
- THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF ALL WORK SHOWN ON THESE PLANS FOR 90 DAYS BEYOND FINAL ACCEPTANCE OF ALL LANDSCAPE WORK BY THE OWNER. LANDSCAPE MAINTENANCE SHALL INCLUDE WEEKLY SITE VISITS FOR THE FOLLOWING ACTIONS (AS APPROPRIATE): PROPER PRUNING, RESTAKING OF TREES, RESETTling OF PLANTS THAT HAVE SETTLED, MOWING AND AERATION OF LAWNS, WEEDING, RESEEDING AREAS WHICH HAVE NOT GERMINATED WELL, TREATING FOR INSECTS AND DISEASES, REPLACEMENT OF MULCH, REMOVAL OF LITTER, REPAIRS TO THE IRRIGATION SYSTEM DUE TO FAULTY PARTS AND/OR WORKMANSHIP, AND THE APPROPRIATE WATERING OF ALL PLANTINGS. THE LANDSCAPE CONTRACTOR SHALL MAINTAIN THE IRRIGATION SYSTEM IN PROPER WORKING ORDER, WITH SCHEDULING ADJUSTMENTS BY SEASON TO MAXIMIZE WATER CONSERVATION.
 - SHOULD SEEDED AND/OR SODDED AREAS NOT BE COVERED BY AN AUTOMATIC IRRIGATION SYSTEM, THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR WATERING THESE AREAS AND OBTAINING A FULL, HEALTHY STAND OF GRASS AT NO ADDITIONAL COST TO THE OWNER.
 - TO ACHIEVE FINAL ACCEPTANCE AT THE END OF THE MAINTENANCE PERIOD, ALL OF THE FOLLOWING CONDITIONS MUST OCCUR:
 - THE LANDSCAPE SHALL SHOW ACTIVE, HEALTHY GROWTH (WITH EXCEPTIONS MADE FOR SEASONAL DORMANCY). ALL PLANTS NOT MEETING THIS CONDITION SHALL BE REJECTED AND REPLACED BY HEALTHY PLANT MATERIAL PRIOR TO FINAL ACCEPTANCE.
 - ALL HARDWARE SHALL BE CLEANED PRIOR TO FINAL ACCEPTANCE.
 - SODDED AREAS MUST BE ACTIVELY GROWING AND MUST REACH A MINIMUM HEIGHT OF 1 1/2 INCHES BEFORE FIRST MOWING. HYDROMULCHED AREAS SHALL SHOW ACTIVE, HEALTHY GROWTH. BARE AREAS LARGER THAN TWELVE SQUARE INCHES MUST BE RESEDED OR RESEEDED (AS APPROPRIATE) PRIOR TO FINAL ACCEPTANCE. ALL SODDED TURF SHALL BE NEATLY MOWED.
- J. WARRANTY PERIOD, PLANT GUARANTEE AND REPLACEMENTS**
- THE LANDSCAPE CONTRACTOR SHALL GUARANTEE ALL TREES, SHRUBS, PERENNIALS, SOD, SEEDED/HYDROMULCHED AREAS, AND IRRIGATION SYSTEMS FOR A PERIOD OF ONE YEAR FROM THE DATE OF THE OWNER'S FINAL ACCEPTANCE (90 DAYS FOR ANNUAL PLANTS). THE CONTRACTOR SHALL REPLACE, AT HIS OWN EXPENSE AND TO THE SATISFACTION OF THE OWNER, ANY PLANTS WHICH DIE IN THAT TIME, OR REPAIR ANY PORTIONS OF THE IRRIGATION SYSTEM WHICH OPERATE IMPROPERLY.
 - AFTER THE INITIAL MAINTENANCE PERIOD AND DURING THE GUARANTEE PERIOD, THE LANDSCAPE CONTRACTOR SHALL ONLY BE RESPONSIBLE FOR REPLACEMENT OF PLANTS WHEN PLANT DEATH CANNOT BE ATTRIBUTED DIRECTLY TO OVERWATERING OR OTHER DAMAGE BY HUMAN ACTIONS.
- K. PROVIDE A MINIMUM OF (2) COPIES OF RECORD DRAWINGS TO THE OWNER UPON COMPLETION OF WORK. A RECORD DRAWING IS A RECORD OF ALL CHANGES THAT OCCURRED IN THE FIELD AND THAT ARE DOCUMENTED THROUGH CHANGE ORDERS, ADDENDA, OR CONTRACTOR/CONSULTANT DRAWING MARKUPS.**



A TREE PLANTING
SCALE: NOT TO SCALE



B SHRUB AND PERENNIAL PLANTING
SCALE: NTS

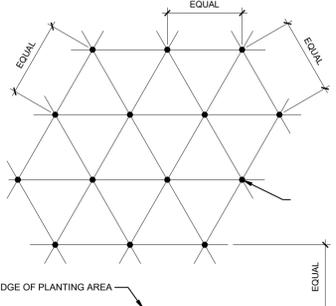


C HEDGE PLANTING AT PARKING AREA
SCALE: NOT TO SCALE

- TREE CANOPY.
- GINCH-TIES (24" BOX TREES AND SMALLER) OR 12 GAUGE GALVANIZED WIRE WITH NYLON TREE STRAPS AT TREE AND STAKE (36" BOX TREES AND LARGER). SECURE TIES OR STRAPS TO TRUNK JUST ABOVE LOWEST MAJOR BRANCHES.
- 24" X 3/4" P.V.C. MARKERS OVER WIRES.
- GREEN STEEL T-POSTS. EXTEND POSTS 12" MIN. INTO UNDISTURBED SOIL.
- PRESSURE-TREATED WOOD DEADMAN, TWO PER TREE (MIN.). BURY OUTSIDE OF PLANTING PIT AND 18" MIN. INTO UNDISTURBED SOIL.
- TRUNK FLARE.
- MULCH, TYPE AND DEPTH PER PLANS. DO NOT PLACE MULCH WITHIN 6" OF TRUNK.
- WEED FABRIC UNDER MULCH.
- ROOT BALL.
- BACKFILL. AMEND AND FERTILIZE ONLY AS RECOMMENDED IN SOIL FERTILITY ANALYSIS.
- UNDISTURBED NATIVE SOIL.
- 4" HIGH EARTHEN WATERING BASIN.
- FINISH GRADE.

- NOTES:**
- SCARIFY SIDES OF PLANTING PIT PRIOR TO SETTING TREE.
 - REMOVE EXCESS SOIL APPLIED ON TOP OF THE ROOTBALL THAT COVERS THE ROOT FLARE. THE PLANTING HOLE DEPTH SHALL BE SUCH THAT THE ROOTBALL RESTS ON UNDISTURBED SOIL, AND THE ROOT FLARE IS 2"-3" ABOVE FINISH GRADE.
 - FOR BALLED-AND-BURLAPPED TREES, REMOVE WIRE BASKET AND BURLAP BEFORE BACKFILLING.
 - REMOVE ALL NURSERY STAKES AFTER PLANTING.
 - FOR TREES OVER 3" CALIPER AND TREES 36" BOX AND LARGER, USE THREE STAKES OR DEADMEN (AS APPROPRIATE), SPACED EVENLY AROUND TREE.
 - STAKING SHALL BE TIGHT ENOUGH TO PREVENT TRUNK FROM BENDING, BUT LOOSE ENOUGH TO ALLOW SOME TRUNK MOVEMENT IN WIND.

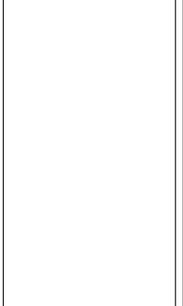
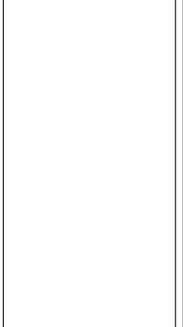
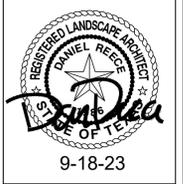
- SHRUB, PERENNIAL, OR ORNAMENTAL GRASS.
- MULCH, TYPE AND DEPTH PER PLANS. PLACE NO MORE THAN 1" OF MULCH WITHIN 6" OF PLANT CENTER.
- FINISH GRADE.
- ROOT BALL.
- BACKFILL. AMEND AND FERTILIZE ONLY AS RECOMMENDED IN SOIL FERTILITY ANALYSIS.
- UNDISTURBED NATIVE SOIL.
- 3" HIGH EARTHEN WATERING BASIN.
- WEED FABRIC UNDER MULCH.



D PLANT SPACING
SCALE: NTS

PLANT SPACING	AREA DIVIDER TO DETERMINE NO. OF PLANTS
6"	0.25
8"	0.45
10"	0.69
12"	1.00
15"	1.56
18"	2.25
24"	4.00
30"	6.25
36"	9

EXAMPLE: PLANTS AT 18" O.C. IN 100 SF OF PLANTING AREA = 100/2.25 = 44 PLANTS



PLANT SCHEDULE

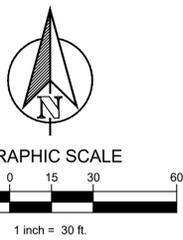
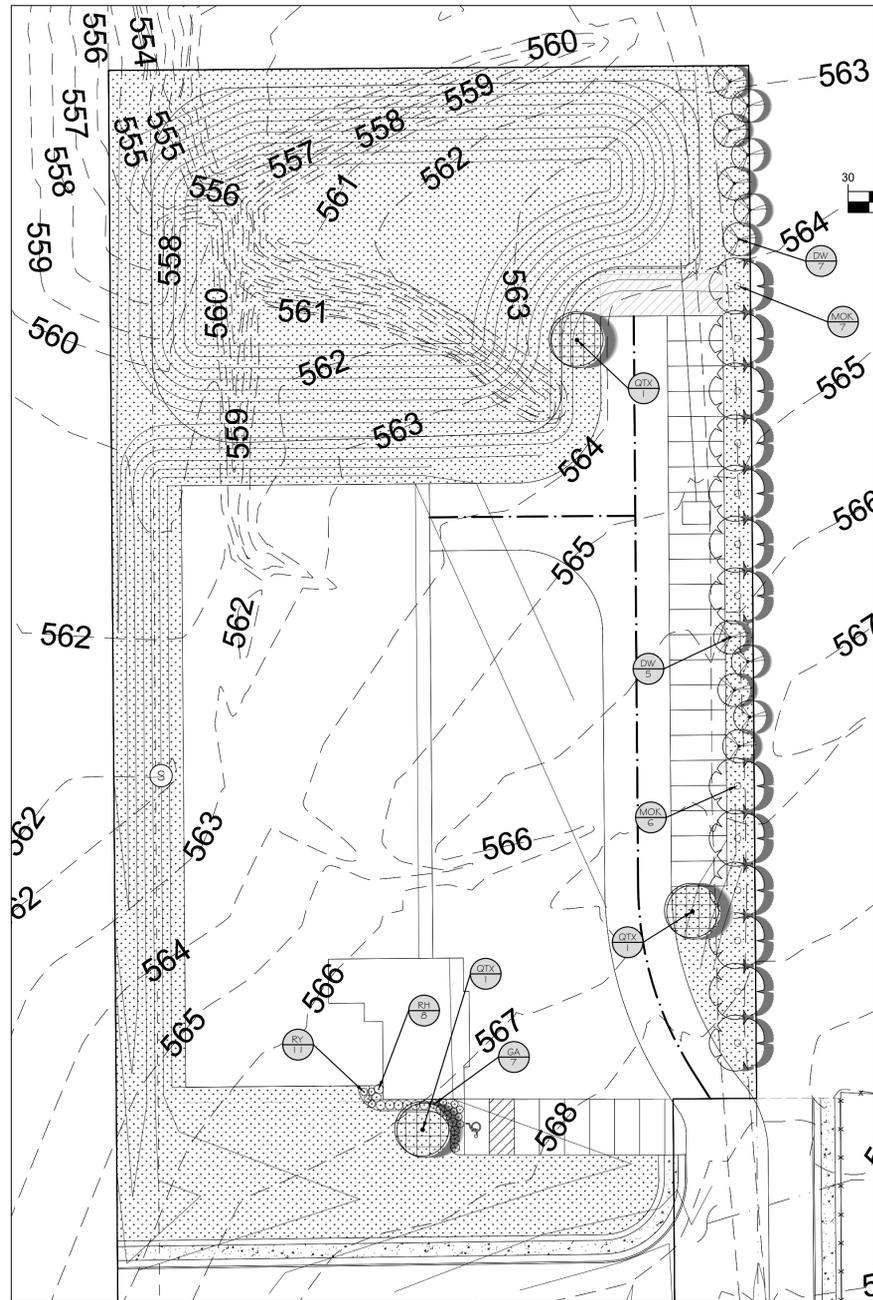
TREES	CODE	COMMON / BOTANICAL NAME	SIZE	CONTAINER	QTY
	DW	Desert Willow / <i>Chilopsis linearis</i> min. 12' ht; street tree	3" Cal.	Cont.	12
	MOK	Monterey Oak / <i>Quercus polymorpha</i> "Monterey" min. 12' ht; street tree	3" Cal.	Cont.	13
	QTX	Shumard Oak / <i>Quercus shumardii</i> min. 12' ht; parking lot tree	3" Cal.	Cont.	3
SHRUBS	CODE	COMMON / BOTANICAL NAME	SIZE	QTY	
	GA	Glossy Abelia / <i>Abelia grandiflora</i> 36" o.c.	5 gal	7	
	RY	Red Yucca / <i>Hesperaloe parviflora</i> 30" o.c.	3 gal	11	
	RH	Indian Hawthorn / <i>Raphiolepis Indica</i> "Snow" 36" o.c.	5 gal	8	
GROUND COVERS	CODE	COMMON / BOTANICAL NAME	SIZE	QTY	
	CD	Bermuda Grass / <i>Cynodon dactylon</i> "tif 419"	sod	75,040 sf	

LANDSCAPE STANDARDS

05.01 LANDSCAPE BUFFERS - NON-RESIDENTIAL	
ENTERPRISE DR.: #365' STREET FRONTAGE	20' WIDE BUFFER REQ. W/ 3 CANOPY + 4 ACCENT TREE PER 100 LIN. FT. OF FRONTAGE; GROUND COVER, BUILT UP BERM AND SHRUBBERY ALONG ENTIRE FRONTAGE, 30" HIGH, MIN.
REQUIRED PLANTING: PROVIDED 30' BUFFER:	13 CANOPY TREES, 12 ACCENT TREES, W/ SHRUBS 13 NEW CANOPY TREES; 12 ACCENT TREES
WEST PROPERTY LINE BUFFER:	NOT REQUIRED. PROPERTY ZONED COMMERCIAL (C)
05.02 LANDSCAPE SCREENING	
REQ. HEADLIGHT SCREENING	HEAD-IN PARKING ADJ. TO STREET SHALL INCORP. MIN. 2' BERM W/ MATURE EVERGREEN SHRUBS ALONG ENTIRE PARKING AREAS
PROVIDED SCREENING SCREENING FROM RESIDENTIAL	N/A N/A
05.03 LANDSCAPE REQUIREMENTS - COMMERCIAL (C) DISTRICT	
TOTAL SITE AREA:	144,251 SF
LANDSCAPE AREA REQUIRED TOTAL SITE:	28,850 SF (20%)
LANDSCAPE PROVIDED, TOTAL SITE:	±29,121 SF
LOCATION OF LANDSCAPING:	MIN. 50% OF REQ. LANDSCAPING SHALL BE LOCATED IN THE FRONT OF & ALONG THE SIDE OF BUILDINGS W/ STREET FRONTAGE.
LANDSCAPE AREAS IN FRONT & SIDES OF BUILDINGS:	102,608 SF (17.4%)
MIN. SIZE OF AREAS:	ALL REQ. LANDSCAPING SHALL BE NO LESS THAN 5' WIDE AND A MIN. OF 25 SF IN AREA
PARKING LOT LANDSCAPING	MIN. 5% OR 200 SF OF LANDSCAPING, WHICHEVER IS GREATER, IN THE INTERIOR OF PARKING LOT AREA. ±6,400 SF
PROPOSED PARKING AREA: REQ. PARKING LOT LANDSCAPING:	±320 SF (6,400 x 5%) AND (1) LG. CANOPY TREE FOR EVERY 10 PARKING SPACES INTERNAL TO PARKING AREAS (PARKING AREA OVER 20,000 SF) REQ. PARKING SPACES MUST BE WITHIN 80' OF A CANOPY TREE TRUNK
PROPOSED PARKING LOT LANDSCAPING:	±1,200 SF 28 PARKING SPACES / 10 = 28 (3) TREES 3 CANOPY TREES
TREES PROVIDED:	3 CANOPY TREES

GENERAL GRADING AND PLANTING NOTES

- BY SUBMITTING A PROPOSAL FOR THE LANDSCAPE PLANTING SCOPE OF WORK, THE CONTRACTOR CONFIRMS THAT HE HAS READ, AND WILL COMPLY WITH, THE ASSOCIATED NOTES, SPECIFICATIONS, AND DETAILS WITH THIS PROJECT.
- THE GENERAL CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL EXISTING VEGETATION (EXCEPT WHERE NOTED TO REMAIN).
- IN THE CONTEXT OF THESE PLANS, NOTES, AND SPECIFICATIONS, "FINISH GRADE" REFERS TO THE FINAL ELEVATION OF THE SOIL SURFACE (NOT TOP OF MULCH) AS INDICATED ON THE GRADING PLANS.
 - BEFORE STARTING WORK, THE LANDSCAPE CONTRACTOR SHALL VERIFY THAT THE ROUGH GRADES OF ALL LANDSCAPE AREAS ARE WITHIN ±0.1' OF FINISH GRADE. SEE SPECIFICATIONS FOR MORE DETAILED INSTRUCTION ON TURF AREA AND PLANTING BED PREPARATION.
 - CONSTRUCT AND MAINTAIN FINISH GRADES AS SHOWN ON GRADING PLANS, AND CONSTRUCT AND MAINTAIN SLOPES AS RECOMMENDED BY THE GEOTECHNICAL REPORT. ALL LANDSCAPE AREAS SHALL HAVE POSITIVE DRAINAGE AWAY FROM STRUCTURES AT THE MINIMUM SLOPE SPECIFIED IN THE REPORT AND ON THE GRADING PLANS, AND AREAS OF POTENTIAL PONDING SHALL BE REGRADED TO BLEND IN WITH THE SURROUNDING GRADES AND ELIMINATE PONDING POTENTIAL.
 - THE LANDSCAPE CONTRACTOR SHALL DETERMINE WHETHER OR NOT THE EXPORT OF ANY SOIL WILL BE NEEDED, TAKING INTO ACCOUNT THE ROUGH GRADE PROVIDED, THE AMOUNT OF SOIL AMENDMENTS TO BE ADDED (BASED ON A SOIL TEST PER SPECIFICATIONS), AND THE FINISH GRADES TO BE ESTABLISHED.
 - AFTER INSTALLING SOIL AMENDMENTS IN SHRUB AREAS, AND IN ORDER TO ALLOW FOR PROPER MULCH DEPTH, ENSURE THAT THE FINISH GRADE IMMEDIATELY ADJACENT TO WALKS AND OTHER WALKING SURFACES IS 3" BELOW FINISH GRADE, TAPERING TO MEET FINISH GRADE AT APPROXIMATELY 18" AWAY FROM THE SURFACE.
 - AFTER INSTALLING SOIL AMENDMENTS IN TURF AREAS, ENSURE THAT THE FINISH GRADE IN TURF AREAS IMMEDIATELY ADJACENT TO WALKS AND OTHER WALKING SURFACES IS 1" BELOW FINISH GRADE, TAPERING TO MEET FINISH GRADE AT APPROXIMATELY 18" AWAY FROM THE SURFACE.
 - SHOULD ANY CONFLICTS AND/OR DISCREPANCIES ARISE BETWEEN THE GRADING PLANS, GEOTECHNICAL REPORT, THESE NOTES AND PLANS, AND ACTUAL CONDITIONS, THE CONTRACTOR SHALL IMMEDIATELY BRING SUCH ITEMS TO THE ATTENTION OF THE LANDSCAPE ARCHITECT, GENERAL CONTRACTOR, AND OWNER.
- ALL PLANT LOCATIONS ARE DIAGRAMMATIC. ACTUAL LOCATIONS SHALL BE VERIFIED WITH THE LANDSCAPE ARCHITECT OR DESIGNER PRIOR TO PLANTING. THE LANDSCAPE CONTRACTOR SHALL ENSURE THAT ALL REQUIREMENTS OF THE PERMITTING AUTHORITY ARE MET (I.E., MINIMUM PLANT QUANTITIES, PLANTING METHODS, TREE PROTECTION METHODS, ETC.).
 - THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR DETERMINING PLANT QUANTITIES; PLANT QUANTITIES SHOWN ON LEGENDS AND CALLOUTS ARE FOR GENERAL INFORMATION ONLY. IN THE EVENT OF A DISCREPANCY BETWEEN THE PLAN AND THE PLANT LEGEND, THE PLANT QUANTITY AS SHOWN ON THE PLAN (FOR INDIVIDUAL SYMBOLS) OR CALLOUT (FOR GROUNDCOVER PATTERNS) SHALL TAKE PRECEDENCE.
 - NO SUBSTITUTIONS OF PLANT MATERIALS SHALL BE ALLOWED WITHOUT THE WRITTEN PERMISSION OF THE LANDSCAPE ARCHITECT.** IF SOME OF THE PLANTS ARE NOT AVAILABLE, THE LANDSCAPE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT IN WRITING (VIA PROPER CHANNELS).
 - THE CONTRACTOR SHALL, AT A MINIMUM, PROVIDE REPRESENTATIVE PHOTOS OF ALL PLANTS PROPOSED FOR THE PROJECT. THE CONTRACTOR SHALL ALLOW THE LANDSCAPE ARCHITECT AND THE OWNER/OWNER'S REPRESENTATIVE TO INSPECT, AND APPROVE OR REJECT, ALL PLANTS DELIVERED TO THE JOBSITE. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS FOR SUBMITTALS.
- THE CONTRACTOR SHALL MAINTAIN THE LANDSCAPE IN A HEALTHY CONDITION FOR 90 DAYS AFTER ACCEPTANCE BY THE OWNER. REFER TO SPECIFICATIONS FOR CONDITIONS OF ACCEPTANCE FOR THE START OF THE MAINTENANCE PERIOD, AND FOR FINAL ACCEPTANCE AT THE END OF THE MAINTENANCE PERIOD.
- PROVIDE HYDROMULCH FOR ALL DISTURBED LANDSCAPE AREAS OUTSIDE PROPERTY LIMITS.
- SEE SPECIFICATIONS AND DETAILS FOR FURTHER REQUIREMENTS.



PLANTING AND IRRIGATION GUARANTEE

THE LANDSCAPE CONTRACTOR SHALL GUARANTEE THAT ALL NEWLY INSTALLED AND EXISTING PLANTS SHALL SURVIVE FOR ONE YEAR AFTER FINAL OWNER ACCEPTANCE OF THE INSTALLATION WORK. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR APPROPRIATE WATERING OF THE LANDSCAPE THROUGH INSTALLATION OF A PROPERLY DESIGNED IRRIGATION SYSTEM. THE OWNER SHALL APPROVE THE SYSTEM DESIGN BEFORE INSTALLATION OF PLANTS OR IRRIGATION.

MULCHES

AFTER ALL PLANTING IS COMPLETE, CONTRACTOR SHALL INSTALL 3" THICK LAYER OF 1-1/2" SHREDDED WOOD MULCH, NATURAL (UNDYED), IN ALL PLANTING AREAS (EXCEPT FOR TURF AND SEEDING AREAS). CONTRACTOR SHALL SUBMIT SAMPLES OF ALL MULCHES TO LANDSCAPE ARCHITECT AND OWNER FOR APPROVAL PRIOR TO CONSTRUCTION. ABSOLUTELY NO EXPOSED GROUND SHALL BE LEFT SHOWING ANYWHERE ON THE PROJECT AFTER MULCH HAS BEEN INSTALLED (SUBJECT TO THE CONDITIONS AND REQUIREMENTS OF THE "GENERAL GRADING AND PLANTING NOTES" AND SPECIFICATIONS).

ROOT BARRIERS

THE CONTRACTOR SHALL INSTALL ROOT BARRIERS NEAR ALL NEWLY-PLANTED TREES THAT ARE LOCATED WITHIN FIVE (5) FEET OF PAVING OR CURBS. ROOT BARRIERS SHALL BE "CENTURY" OR "DEEP-ROOT" 24" DEEP PANELS (OR EQUAL). BARRIERS SHALL BE LOCATED IMMEDIATELY ADJACENT TO HARDSCAPE. INSTALL PANELS PER MANUFACTURER'S RECOMMENDATIONS. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR USE ROOT BARRIERS OF A TYPE THAT COMPLETELY ENIRCLE THE ROOTBALL.



9-18-23

Project Name
Arms of America
Rockwall, TX

LANDSCAPE PLANTING

Date Comment

Project Number

Date XX/XX/2018

Drawn By LML

Checked By LML/RM

LP-1



EXTERIOR LIGHTING DESIGN

Rockwall - 1601 E I30
1601 E I30,
Rockwall, TX 75087

DRAWING INDEX:

- COVER SHEET
- LU-1 GENERAL NOTES
- LU-2 LUMINAIRE SCHEDULE
- LU-3 OVERALL SITE PLAN
- LU-4 FULL SITE PHOTOMETRICS PLAN AT GRADE
- LU-5 DIMENSIONING PLAN
- LU-6 ELEVATIONS



VICINITY MAP

SCOPE OF WORK

FIXTURE COUNT	NEW POLE COUNT	NOTES
6	6	ADD NEW POLE AND FIXTURE
10		ADD NEW FIXTURE



GMR Protection Resources
 TX Registered Engineering Firm F-13803

V1 231016



Office: (972) 771-6038
 1629 Smirl Drive, Suite 200, Heath, Texas 75032
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CONTRACTOR RESPONSIBILITIES:

1. CONTRACTOR SHALL BE RESPONSIBLE FOR PERMITTING, INCLUDING COORDINATION WITH THE LOCAL JURISDICTION AND ANY ASSOCIATED PERMIT FEES OR PROCESSING.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMITTING DOCUMENTS THAT ARE NOT INCLUDED IN THE LIGHTING DESIGN PACKAGE.
3. CONTRACTOR IS REQUIRED TO RECYCLE ALL LAMPS AND BALLASTS WHEN SUCH REPLACEMENT IS REQUIRED.
4. CONTRACTOR SHALL VERIFY VOLTAGE REQUIREMENTS FOR FIXTURES PRIOR TO PLACEMENT OF FIXTURE ORDERS.
5. CONTRACTOR TO VERIFY LIGHTING CONTROLS PRIOR TO BEGINNING CONSTRUCTION. SEE LIGHTING CONTROL NOTES.
6. CONTRACTOR SHALL RECEIVE FORMAL APPROVAL FROM GMR ON ANY FIXTURE MODIFICATIONS OR VARIATIONS FROM THE LUMINAIRE SCHEDULE.
7. CONTRACTOR SHALL VERIFY EXISTING AND PROPOSED FIXTURE MOUNTING CONDITIONS IN FIELD. ANY SPECIAL MOUNTING HARDWARE NEEDED FOR PROPOSED FIXTURES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
8. CONTRACTOR SHALL SUPPLY ALL NEW LIGHT POLES. NEW LIGHT POLES SHALL MATCH EXISTING CONDITIONS ON SITE FOR POLE TYPE AND PAINT COLOR.
9. CONTRACTOR SHALL PERFORM ALL NECESSARY PATCHING OR REPAINTING FOR ADDED, REMOVED, OR REPLACED FIXTURES.
10. CONTRACTOR SHALL REPAIR ANY DISTURBED AREAS BACK TO EXISTING CONDITION INCLUDING PAVED AREAS, LANDSCAPED AREAS, ETC.
11. EXPOSED CONDUIT (ONLY WHERE IT CANNOT BE CONCEALED) SHALL BE PAINTED TO MATCH THE BACKGROUND SURFACE COLOR.
12. CONTRACTOR SHALL VERIFY AND DOCUMENT COMPLETED WORK DURING NIGHT HOURS. ALL FIXTURES (INCLUDING OUT OF SCOPE FIXTURES) MUST BE FUNCTIONAL DURING NIGHT HOURS PRIOR TO SCHEDULING A FINAL SURVEY WITH GMR.
13. CONTRACTOR SHALL RECEIVE A PUNCHLIST FROM GMR UPON FINAL SURVEY FOR ANY REMAINING ITEMS TO BE COMPLETED.
14. NEW LIGHT FIXTURES IN NEW LOCATIONS ARE TO BE MOUNTED IN THE INSTALL RANGE SET BY GMR ON THE DESIGN DOCUMENTS.
ALL FIXTURES MOUNTED TO COLUMNS OR WALLS LESS THAN 5 FEET WIDE ARE TO BE CENTERED. ALL FIXTURE COLORS AND STYLE AND LUMEN OUTPUT ARE TO BE AS REQUIRED BY GMR WITH NO SUBSTITUTIONS WITHOUT GMR APPROVAL.
CONDUIT AND BOXES ARE TO BE FULLY CONCEALED IN ALL WALLS, SOFFITS AND COLUMNS THAT ARE NOT A PART OF THE BUILDING STRUCTURE OR OF MASONRY THICKER THAN 6 INCHES.
ALL EXPOSED CONDUIT AND BOXES LOCATED IN AREAS WHERE VISIBLE TO THE PUBLIC SHALL BE PAINTED TO MATCH THE COLOR OF ITS SURROUNDING SURFACES.
15. ALL FIXTURE REPLACEMENT FOR EXISTING FIXTURE LOCATIONS SHALL FULLY COVER ALL OF THE MOUNTING SURFACE EXPOSED BY THE REMOVAL OF THE EXISTING FIXTURE, SHOULD THE NEW FIXTURE NOT ENTIRELY COVER THE EXPOSED SURFACE THEN A BEAUTY PLATE IS TO BE INSTALLED BEHIND THE NEW FIXTURE.
16. ALL REMOVED FIXTURES SHALL HAVE LAMPS AND BALLASTS RECYCLED.
17. ALL DEBRIS CAUSED BY THE REQUIRED SCOPE OF WORK SHALL BE REMOVED FROM THE SITE DAILY AT THE END OF THE WORKDAY.
18. NO MATERIALS OR EQUIPMENT ARE TO BE STORED ON SITE OVERNIGHT OR WEEKENDS.
19. WORK DURING BUSINESS HOURS AND AFTER-HOURS MUST BE APPROVED BY THE PPM.
20. ACCESS INTO THE BUILDING AND TO ELECTRICAL EQUIPMENT WILL BE AT THE DIRECTION OF THE STORE MANAGER.

SITE ABBREVIATIONS:

- PL = PROPERTY LINE
- AFG = ABOVE FINISHED GRADE
- FC = FOOTCANDLE
- CBO = CONTROLLED BY OTHERS

GENERAL NOTES:

1. EXISTING CONDITIONS SHOWN ON THE DRAWINGS ARE BASED ON A LIMITED AMOUNT OF INFORMATION AVAILABLE TO THE ENGINEER. ALL SUCH CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO SUBMITTING THE BID AND ADJUSTED IF NECESSARY. NO ADDITIONAL COMPENSATION SHALL BE GRANTED AFTER AWARDED A BID FOR ANY EQUIPMENT, MATERIAL OR LABOR REQUIRED TO REWORK OR OTHERWISE MODIFY EXISTING CONDITIONS.
2. THIS LIGHTING DESIGN IS BASED ON A COMBINATION OF STATE STANDARDS AND THE CUSTOMER'S CURRENT SECURITY POLICY.
3. TRIM ALL TREES/LANDSCAPING TO MINIMIZE IMPEDING LIGHT FROM ANY LIGHT FIXTURES. CONSIDERATION MUST BE GIVEN TO TREES/LANDSCAPING IN A STATE OF FULL FOLIAGE/BLOOM AND FUTURE GROWTH. ALL LANDSCAPING WORK WILL BE PERFORMED BY OTHERS WITH A SEPARATE PERMIT (IF REQUIRED).
4. ALL MOUNTING HEIGHTS ARE INTENDED TO THE BOTTOM OF THE FIXTURE.
5. CONTRACTOR TO FIELD VERIFY FIXTURE PLACEMENT DIMENSIONS PRIOR TO CONSTRUCTION.
6. DIMENSIONING PROVIDED IS FOR PROPOSED FIXTURE LOCATIONS ONLY, UNLESS OTHERWISE NOTED ON THE DRAWING.
7. THE CONTRACTOR SHALL ATTEMPT TO ELIMINATE THE USE OF EXPOSED CONDUIT WHERE POSSIBLE. IF EXPOSED CONDUIT IS NECESSARY, THE CONTRACTOR SHALL VERIFY USE WITH PROJECT MANAGER.
8. THE CONTRACTOR SHALL VERIFY THAT LIGHT POLES FOR PROPOSED OR MODIFIED FIXTURES ARE ADEQUATE FOR THE INTENDED MOUNTING HEIGHT. IF AN EXISTING LIGHT POLE IS BEING USED, THE CONTRACTOR SHALL VERIFY THAT IT IS IN SATISFACTORY CONDITION. A TYPICAL POLE BASE DETAIL (AS PER EACH STATE) WILL BE PROVIDED BY GMR FOR EACH SITE. IF A SITE SPECIFIC POLE BASE DETAIL IS REQUIRED, THIS WILL BE COORDINATED BY THE CONTRACTOR AND WILL FOLLOW ANY APPLICABLE STATE OR LOCAL JURISDICTION STANDARDS.

FIXTURE CLARIFICATION NOTES:

1. GMR MAY COMBINE OR ADD TO NOTES AS NEEDED IN ORDER TO CLARIFY FURTHER.
2. OUT OF SCOPE - EXISTING FIXTURES TO REMAIN ON SITE WITHOUT MODIFICATION. NO ACTION REQUIRED UNLESS NOTED OTHERWISE.
3. REMOVE AND PATCH - EXISTING FIXTURES TO BE FULLY REMOVED AND ANY PAINTING, PATCHING OR ELECTRICAL WORK NEEDED IS TO BE ASSESSED AND PERFORMED BY GC.
4. REPLACE EXISTING FIXTURE - EXISTING FIXTURE TO BE FULLY REMOVED AND REPLACED IN THE SAME LOCATION WITH A NEW FIXTURE. GC TO VERIFY IF POLE AND/OR POLE BASE IS SUFFICIENT FOR THE NEW FIXTURES. ANY PAINTING, PATCHING OR ELECTRICAL WORK NEEDED IS TO BE ASSESSED AND PERFORMED BY GC.
5. ADD NEW FIXTURE - NEW FIXTURES TO BE ADDED. ANY PAINTING, PATCHING OR ELECTRICAL WORK NEEDED TO BE ASSESSED AND PERFORMED BY GC.
6. ADD NEW POLE & FIXTURE - A NEW POLE AND FIXTURE TO BE ADDED. GC TO SPECIFY POLE TO MATCH EXISTING STYLE AND COLOR AND, IF NOT PROVIDED, POLE BASE DATA FOR NEW POLE LOCATIONS. GC TO VERIFY IF POLE AND POLE BASE IS SUFFICIENT FOR THE HEIGHT, LOCATION AND FIXTURE SPECIFIED.
7. GMR DOES NOT SPECIFY MOUNTING HARDWARE FOR ANY SPECIFIED FIXTURES. GC IS TO WORK WITH DISTRIBUTOR AND/OR MANUFACTURER ON A CASE BY CASE BASIS TO IDENTIFY AND ORDER REQUIRED MOUNTING HARDWARE.
8. GC TO VERIFY WHETHER EXISTING WIRING LOCATIONS OR THE ADDITION OF WIRING FOR NEW FIXTURE LOCATIONS IS SUFFICIENT FOR THE DESIGNATED FIXTURE LOCATION.
9. GC TO SPECIFY POLE COLOR AND TYPE PRIOR TO ORDERING.
10. ALL FIXTURES ARE ASSUMED BRONZE IN COLOR UNLESS NOTED OTHERWISE IN THE LUMINAIRE SCHEDULE. GC TO CONFIRM PRIOR TO ORDERING.



GMR Protection Resources
TX Registered Engineering Firm F-13803

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REVISION NO.	DESCRIPTION	REVISED BY



Rockwall - 1601 E I30
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Rockwall, TX 75087

GENERAL NOTES

DESIGNED BY:	CAS	DRAWN BY:	CAS
REVIEWED BY:	AWD	APPROVED BY:	KRM
SHEET NO.	LU-1		

THIS LIGHTING PLAN ILLUSTRATES ILLUMINATE LEVELS CALCULATED FROM LABORATORY DATA UNDER CONTROLLED CONDITIONS IN ACCORDANCE WITH ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICAN (IESNA) APPROVED METHODS. ACTUAL SITE ILLUMINATION LEVELS AND PERFORMANCE OF LUMINAIRES MAY VARY DUE TO VARIATIONS IN WEATHER, ELECTRICAL VOLTAGE, TOLERANCE IN LAMPS AND OTHER RELATED VARIABLE FIELD CONDITIONS.

SEE FIXTURE CLARIFICATION NOTE #9

LUMINAIRE SCHEDULE

CONTRACTOR TO VERIFY MOUNTING ACCESSORIES BEFORE ORDERING

SYMBOL	TOTAL FIXTURE COUNT	TYPE	NEW POLE COUNT	MANUFACTURER	MODEL	MODEL NUMBER	NOTES	MOUNTING HEIGHT	MOUNTING ACCESSORY	BUG RATING	MOUNTING	KILOWATT PER HOUR	TOTAL WATTAGE
■	4	OT1	-	CREE	OSQ	OSQM-C-16L-40K7-3M-UL-NM-SV	ADD NEW FIXTURE	16' AFG	OSQ-ML-C-DA-SV, WM-DM-SV	B3-U0-G3	WALL MOUNT	0.097	388 W
■	6	OV1	6	CREE	OSQ	OSQL-C-30L-40K7-3M-UL-NM-BZ	ADD NEW POLE AND FIXTURE	40' AFG	OSQ-ML-C-DA-BZ	B3-U0-G3	POLE MOUNT	0.175	1050 W
■	3	UU1	-	LITHONIA	OLLWD	OLLWD LED-P1-40K-MVOLT-DDB	ADD NEW FIXTURE	7' AFG	-	B1-U0-G1	WALL MOUNT	0.0091	27 W
■	3	UU2	-	LITHONIA	OLLWD	OLLWD LED-P1-40K-MVOLT-DDB	ADD NEW FIXTURE	8' AFG	-	B1-U0-G1	WALL MOUNT	0.0091	27 W
GRAND TOTAL WATTAGE												1493 W	



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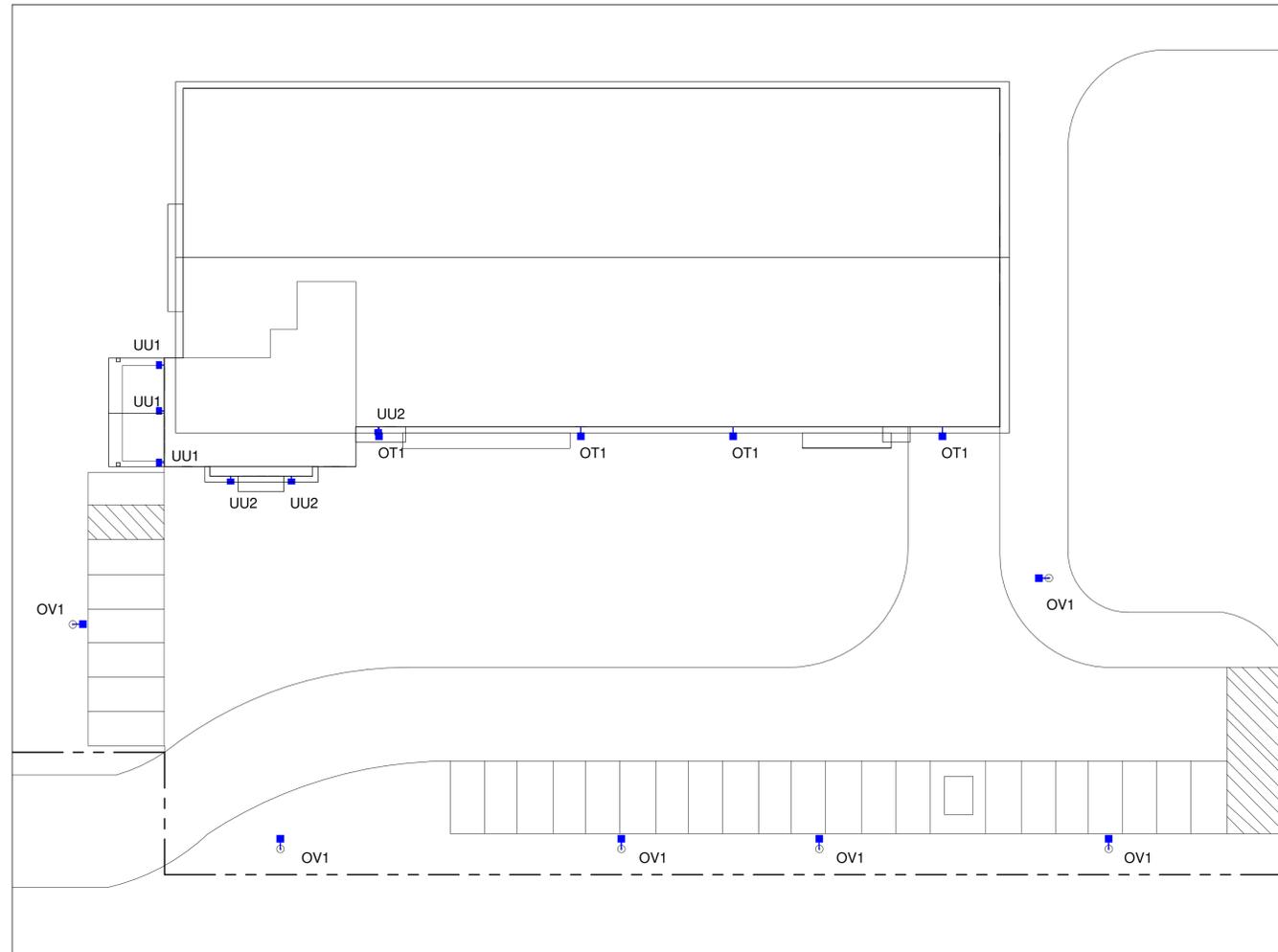
LUMINAIRE SCHEDULE

DESIGNED BY:	CAS	DRAWN BY:	CAS
REVIEWED BY:	AWD	APPROVED BY:	KRM

SHEET NO. LU-2

TOTAL FIXTURE COUNT	TYPE	NOTES	MOUNTING HEIGHT
4	OT1	ADD NEW FIXTURE	16' AFG
6	OV1	ADD NEW POLE AND FIXTURE	40' AFG
3	UU1	ADD NEW FIXTURE	7' AFG
3	UU2	ADD NEW FIXTURE	8' AFG

I-30 Frontage Rd



Enterprise Dr



- BLUE = NEW FIXTURE
- GREEN = EXISTING FIXTURE LOCATION TO BE REPLACED
- ORANGE = EXISTING FIXTURE TO REMAIN
- TURQUOISE = FIXTURE TO BE REMOVED
- PINK = REPLACE WITH NEW POLE AT NEW HEIGHT
- = PROPERTY LINE BASED ON COUNTY APPRAISAL INFORMATION
- = INDICATES NEW SECURITY FENCE
- = BURIED ELECTRICAL CIRCUIT



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TX Registered Engineering Firm F-13803

SCALE: 3/64" = 1'-0"
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OVERALL SITE PLAN

DESIGNED BY:	CAS	DRAWN BY:	CAS
REVIEWED BY:	AWD	APPROVED BY:	KRM
SHEET NO.	LU-3		

THIS LIGHTING PLAN ILLUSTRATES ILLUMINATE LEVELS CALCULATED FROM LABORATORY DATA UNDER CONTROLLED CONDITIONS IN ACCORDANCE WITH ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICAN (IESNA) APPROVED METHODS. ACTUAL SITE ILLUMINATION LEVELS AND PERFORMANCE OF LUMINAIRES MAY VARY DUE TO VARIATIONS IN WEATHER, ELECTRICAL VOLTAGE, TOLERANCE IN LAMPS AND OTHER RELATED VARIABLE FIELD CONDITIONS.

SITE NOTES:	EXISTING SITE CONDITIONS:
	1. EXISTING POLES - N/A 2. EXISTING POLE BASES - N/A 3. EXISTING DRIVE THRU CEILING - N/A



- BLUE = NEW FIXTURE
- GREEN = EXISTING FIXTURE LOCATION TO BE REPLACED
- ORANGE = EXISTING FIXTURE TO REMAIN
- TURQUOISE = FIXTURE TO BE REMOVED
- PINK = REPLACE WITH NEW POLE AT NEW HEIGHT
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- = BURIED ELECTRICAL CIRCUIT



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SCALE: 3/64" = 1'-0"
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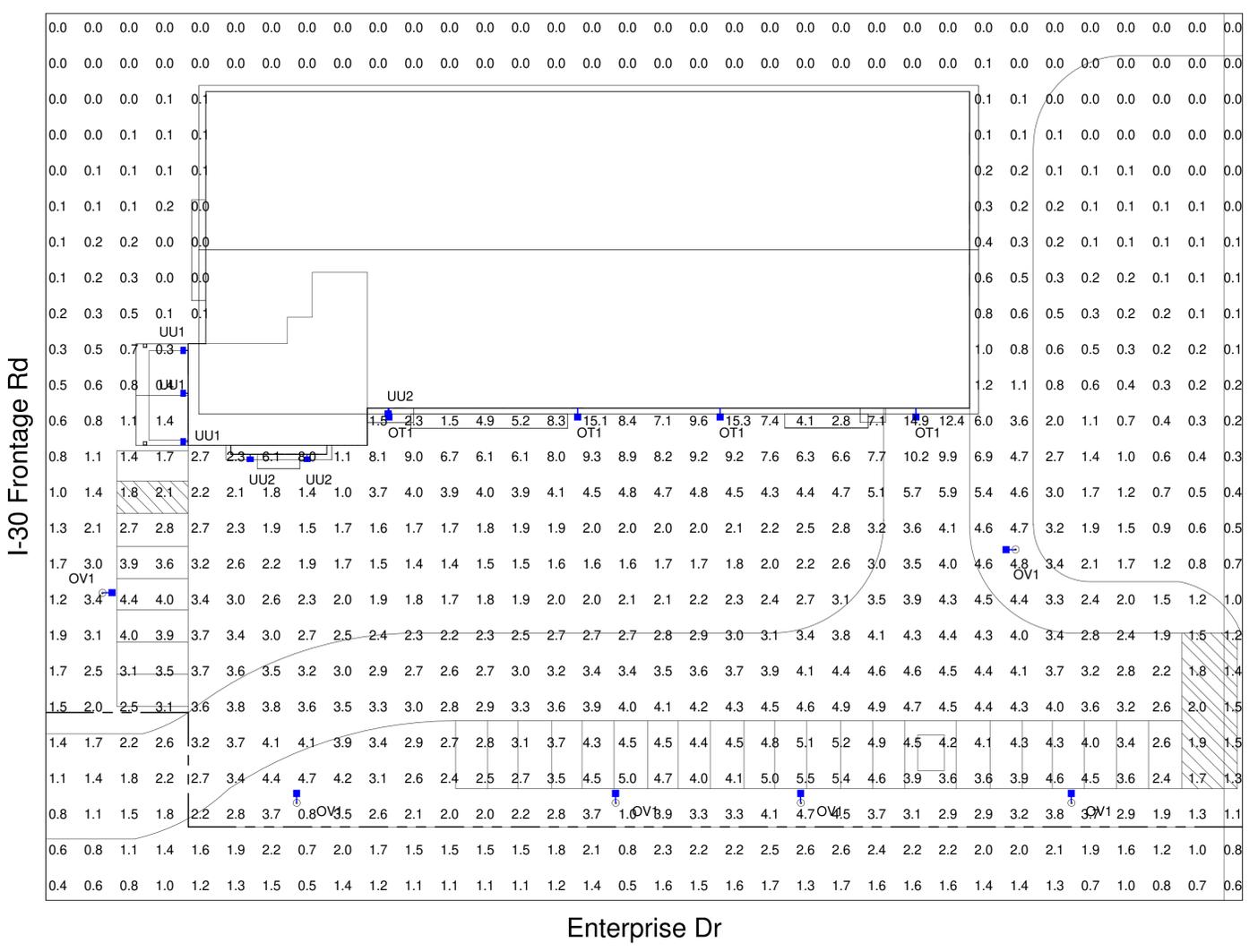


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FULL SITE PHOTOMETRICS PLAN

DESIGNED BY:	CAS	DRAWN BY:	CAS
REVIEWED BY:	AWD	APPROVED BY:	KRM
SHEET NO.			

LU-4



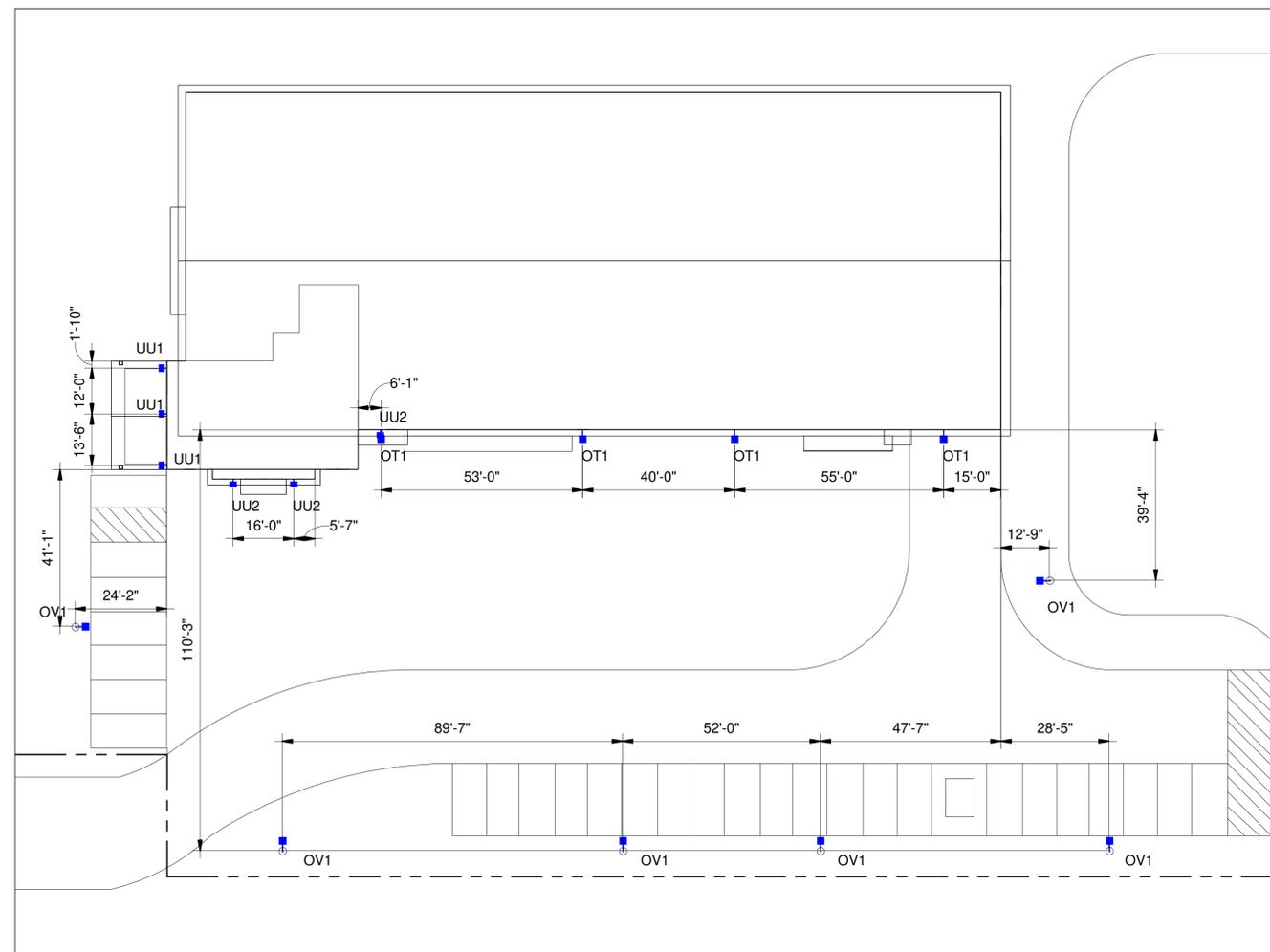
- NOTES:
1. THE SCOPE OF WORK FOR THIS PROJECT IS LIMITED TO EXTERIOR LIGHTING RENOVATIONS AS SHOWN ON THE PLANS.
 2. ALL PROPOSED LIGHTS WILL BE FULL CUTOFF LED LIGHT FIXTURES.
 3. ALL EXISTING LIGHTS WILL BE REPLACED WITH FULL CUT OFF LED LIGHT FIXTURES.
 4. REFERENCE THE LUMINAIRE SCHEDULE (SHEET LU-2) FOR ADDITIONAL LIGHT FIXTURE INFORMATION.

CALCULATION SUMMARY FULL SITE					
Calculation Points Name	Average	Maximum	Minimum	Ave/Min	Max/Min
FULL SITE @ GRADE	2.2 fc	15.3 fc	0.0 fc	0.0 fc	0.0 fc
PARKING LOT @ 60" V	2.3 fc	13.1 fc	0.7 fc	3.1 fc	18.1 fc
PARKING LOT @ GRADE	4.0 fc	16.5 fc	0.7 fc	5.3 fc	22.1 fc

THIS LIGHTING PLAN ILLUSTRATES ILLUMINATE LEVELS CALCULATED FROM LABORATORY DATA UNDER CONTROLLED CONDITIONS IN ACCORDANCE WITH ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICAN (IESNA) APPROVED METHODS. ACTUAL SITE ILLUMINATION LEVELS AND PERFORMANCE OF LUMINAIRES MAY VARY DUE TO VARIATIONS IN WEATHER, ELECTRICAL VOLTAGE, TOLERANCE IN LAMPS AND OTHER RELATED VARIABLE FIELD CONDITIONS.



I-30 Frontage Rd



Enterprise Dr

- BLUE = NEW FIXTURE
- GREEN = EXISTING FIXTURE LOCATION TO BE REPLACED
- ORANGE = EXISTING FIXTURE TO REMAIN
- TURQUOISE = FIXTURE TO BE REMOVED
- PINK = REPLACE WITH NEW POLE AT NEW HEIGHT
- = PROPERTY LINE BASED ON COUNTY APPRAISAL INFORMATION
- = INDICATES NEW SECURITY FENCE
- = BURIED ELECTRICAL CIRCUIT



GMR Protection Resources
TX Registered Engineering Firm F-13803

SCALE: 3/64" = 1'-0"
V1 231016

REVISION NO.	DESCRIPTION	REVISED BY



Rockwall - 1601 E I30
1601 E I30,
Rockwall, TX 75087

DIMENSIONING PLAN

DESIGNED BY:	CAS	DRAWN BY:	CAS
REVIEWED BY:	AWD	APPROVED BY:	KRM

THIS LIGHTING PLAN ILLUSTRATES ILLUMINATE LEVELS CALCULATED FROM LABORATORY DATA UNDER CONTROLLED CONDITIONS IN ACCORDANCE WITH ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICAN (IESNA) APPROVED METHODS. ACTUAL SITE ILLUMINATION LEVELS AND PERFORMANCE OF LUMINAIRES MAY VARY DUE TO VARIATIONS IN WEATHER, ELECTRICAL VOLTAGE, TOLERANCE IN LAMPS AND OTHER RELATED VARIABLE FIELD CONDITIONS.

SHEET NO. LU-5

OSQ Series

OSQ™ LED Area/Flood Luminaire featuring Patented NanoComfort™ Technology – Version C

Rev. Date: V3 04/17/2023

GC TO SEE NOTES BELOW

Product Description

The OSQ™ Area/Flood luminaire blends extreme optical control, advanced thermal management and modern, clean aesthetics. Built to last, the housing is rugged cast aluminum with an integral, weathertight LED driver compartment. Versatile mounting configurations offer simple installation. Its slim, low-profile design minimizes wind load requirements and blends seamlessly into the site providing even, quality illumination. Medium is suitable upgrade for HID applications up to 400 Watts. Large is suitable upgrade for HID applications up to 1000 Watts. Extra Large is suitable upgrade for HID applications up to multiple 1000 Watts.

Applications: Parking lots, walkways, campuses, car dealerships, office complexes, high-mast and internal roadways

Performance Summary

Utilizes Patented NanoComfort™ Technology

Utilizes Cree TrueWhite® Technology on 5000K Luminaires

Assembled in the USA by Cree Lighting from US and imported parts

Initial Delivered Lumens: 4,000 - 75,000

Efficacy: Up to 171 LPW

CRI: Minimum 70 CRI (3000K, 4000K & 5700K); 90 CRI (5000K)

CCT: 3000K, 4000K, 5000K, 5700K

Limited Warranty*: 10 years for luminaire; 10 years for Colorfast DeltaGuard® finish; 5 years for BML sensor; up to 5 years for Synapse® accessories; 1 year for luminaire accessories

*See <http://creelighting.com/warranty> for warranty terms. For Synapse accessories, consult Synapse spec sheets for details on warranty terms.

Ordering Information

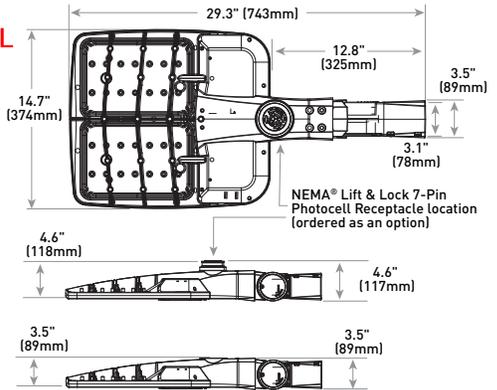
Fully assembled luminaire is composed of two components that must be ordered separately:

Example: **Mount:** OSQ-ML-C-AA-BK + **Luminaire:** OSQM-C-4L-30K7-2M-UL-NM-BK

Mount (Luminaire must be ordered separately)*			
OSQ-			
Medium/Large Mounts	Extra Large Mounts	Color Options:	SV Silver BZ Bronze BK Black WH White
OSQ-ML-C-AA Adjustable Arm	OSQ-X-C-AA Adjustable Arm		
OSQ-ML-C-DA Direct Arm	OSQ-X-C-DA Direct Arm		
OSQ-ML-C-TM Trunnion Mount			

* Reference fixture mounting drill pattern, EPA, and pole configuration suitability data beginning on page 14.

OSQM - AA Mount



Luminaire	Weight
OSQM	19.3 lbs. (8.8kg)

Note: For OSQL, OSQX and additional mounts, refer to drawings beginning on page 26.

GC TO REFERENCE PLANS FOR COLOR DESIGNATION

Luminaire (Mount must be ordered separately)											
OSQ	C										
Family	Size	Series	Lumen Package ¹	CCT/ CRI	Optic	Voltage	Mount	Color Options	Controls*	Options	
OSQ	M Medium L Large X Extra Large	C	Medium	30K7	3000K, 70 CRI	Asymmetric 2M Type II Mid 2B Type II Mid w/ Factory-Installed Backlight Shield 3M Type III Mid 3B Type III Mid w/ Factory-Installed Backlight Shield 4M Type IV Mid	UL Universal 120-277V UH Universal 347-480V - Not available with 4L, 40L or 75L lumen packages UE Universal 277-480V - Available only with 40L and 75L lumen packages	NM No Mount - Must specify mount from table above - Mount ships separately	BK Black BZ Bronze SV Silver WH White	BML Bluetooth® Technology Enabled Multi-Level Sensor - Utilizes a multifunction sensor - Refer to BML spec sheet for details - 20-40° sensor lens installed on luminaire; 8-20° sensor lens and aisle shroud included - Intended for downlight applications at 0° tilt - Not available with Q or X options or Synapse TL7-B2 or TL7-HVG accessories Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1 Field Adjustable Output - Must select Q9, Q8, Q7, Q6, Q5, Q4, Q3, Q2, or Q1 - Offers full range adjustability - Refer to pages 15-25 for power and lumen values - Not available with BML or X options or Synapse TL7-B2 or TL7-HVG accessories X8/X7/X6/X5/X4/X3/X2/X1 Locked Lumen Output - Must select X8, X7, X6, X5, X4, X3, X2, or X1 - Not available with BML or Q options - X1 option not available with the following lumen package/voltage offerings: 9L/UL, 16L/UL, 16L/UH, 30L/UL, 30L/UH, 65L/UL, 65L/UH - X2 option not available 9L/UL lumen package/voltage - Lumen output is permanently locked to the setting selected - Refer to pages 15-25 for power and lumen values	20KV 20kV/10KA Surge Suppression - Replaces standard 10kV/5kA surge protection F Fuse - Compatible with 120V, 277V or 347V (phase to neutral) - Consult factory if fusing is required for 208V, 240V or 480V (phase to phase) N Utility Label and NEMA® Lift & Lock 7-Pin Photocell Receptacle - External utility label per ANSI C136.15-2020 - 7-pin receptacle per ANSI C136.41 - Available only with OSQM & OSQL luminaires - Intended for downlight applications with maximum 45° tilt - Factory connected 0-10V dim leads - Requires photocell or shorting cap by others R NEMA® Lift & Lock 7-Pin Photocell Receptacle - 7-pin receptacle per ANSI C136.41 - Intended for downlight applications with maximum 45° tilt - Factory connected 0-10V dim leads - Requires photocell or shorting cap by others - Refer to page 2 for compatible Synapse control offerings RL Rotate Left - LED and optic are rotated to the left - Refer to RR/RL configuration diagram on page 26 for optic directionality - Not for use with symmetric optics RR Rotate Right - LED and optic are rotated to the right - Refer to RR/RL configuration diagram on page 26 for optic directionality - Not for use with symmetric optics
				4L	4,000 Lumens						
				40K7	4000K, 70 CRI						
				6L	6,000 Lumens						
				9L	9,000 Lumens						
				11L	11,000 Lumens						
	16L	16,000 Lumens									
	Large										
	22L	22,000 Lumens									
	30L	30,000 Lumens									
	40L	40,000 Lumens									
	Extra Large										
50L	50,000 Lumens										
65L	65,000 Lumens										
75L	75,000 Lumens										

GC TO VERIFY AND SPECIFY IF NOT UL

¹ Lumen Package codes identify approximate light output only. Actual lumen output levels vary by CCT and optic selection. Refer to Initial Delivered Lumen tables for specific lumen values

* Luminaire comes standard with 0-10V dimming



US: creelighting.com (800) 236-6800
Canada: creelighting-canada.com (800) 473-1234



Product Specifications

CREE LIGHTING NANOCOMFORT™ TECHNOLOGY

Cree Lighting's NanoComfort™ Technology ends the trade-offs in outdoor lighting by providing superior glare reduction and visual comfort in high-efficiency illumination delivered precisely where it is needed. The basic building block of NanoComfort™ Technology is a compact 4x4 array of LEDs. Each of the 16 LEDs in a module is in contact with its own acrylic polymer lens to capture and precisely direct light. With NanoComfort™ Technology, the acrylic optics are cut and sculpted into facets that relieve the glare and harshness while improving visual comfort – all while retaining superb efficacy and control.

CREE TRUEWHITE® TECHNOLOGY

A revolutionary way to generate high-quality white light, Cree TrueWhite® Technology is a patented approach that delivers an exclusive combination of 90+ CRI, beautiful light characteristics and lifelong color consistency, all while maintaining high luminous efficacy – a true no-compromise solution.

CONSTRUCTION & MATERIALS

- Slim, low profile design minimizes wind load requirements
- Luminaire housing is rugged die cast aluminum with an integral, weathertight LED driver compartment and high-performance heat sink
- Acrylic optic w/clear tempered glass lens
- Convenient interlocking mounting method on direct arm. Mounting adaptor is rugged die cast aluminum and mounts to 3" (76mm) or larger square or round pole, secured by two 5/16-18 UNC bolts spaced on 2" (51mm) centers. Refer to page 14 for fixture mounting drill pattern
- Adjustable arm mount adapters are rugged die cast aluminum
- OSQ-ML-C-AA mounts to a horizontal or vertical 2" (51mm) IP, 2.375" (60mm) O.D. tenon and can be adjusted 180° in 2.5° increments
- OSQ-X-C-AA mounts to a horizontal or vertical 2" (51mm) IP, 2.375-2.50" (60-64mm) O.D. steel tenon and can be adjusted 180° in 5.0° increments. **NOTE: Tenon length must be a minimum of 3.75" (95mm), and tenon must be steel**
- Trunnion mount is constructed of A500 and A1011 steel and is adjustable from 0-180° in 15° degree increments. Trunnion mount secures to surface with (1) 3/4" bolt or (2) 1/2" or 3/8" bolts
- Luminaires include 15" (381mm) 18/5 cord exiting the luminaire
- Designed for uplight and downlight applications. Uplight orientation not suitable for use with N or R options
- Exclusive Colorfast DeltaGuard® finish features an E-Coat epoxy primer with an ultra-durable powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation and abrasion. Silver, bronze, black, and white are available

Weight			
Mount	Housing Size		
	Medium	Large	Extra Large
Direct Arm	19.7 lbs. (8.9kg)	28.8 lbs. (13.1kg)	45.8 lbs. (20.8kg)
Adjustable Arm	19.3 lbs. (8.8kg)	28.4 lbs. (12.9kg)	48.6 lbs. (22.0kg)
Trunnion	23.2 lbs. (10.5kg)	32.3 lbs. (14.7kg)	N/A

For BML sensor add 0.1 lbs. (45g), and for NEMA receptacle, add 0.3 lbs. (136g).

ELECTRICAL SYSTEM

- **Input Voltage:** 120-277V, 277-480V or 347-480V, 50/60Hz, Class 1 drivers
- **Power Factor:** > 0.9 at full load
- **Total Harmonic Distortion:** < 20% at full load
- Integral 10kV/5kA surge suppression protection standard; 20kV/10kA surge suppression protection optional
- When code dictates fusing, a slow blow fuse or type C/D breaker should be used to address inrush current
- Designed with 0-10V dimming capabilities. Controls by others
- Refer to [Dimming spec sheet](#) for details
- **Maximum 10V Source Current:** 1.8mA
- **Operating Temperature Range:** -40°C - +40°C (-40°F - +104°F)

REGULATORY & VOLUNTARY QUALIFICATIONS

- cULus Listed (UL1598)
- Suitable for wet locations
- Meets NEMA C82.77 standards
- Drivers and LEDs are UL certified in accordance with UL8750
- Meets requirements of IP66 per IEC 60529 when ordered without N or R options
- Certified to ANSI C136.31-2018, 3G bridge and overpass vibration standards
- ANSI C136.2 10kV/5kA (standard) and 20kV/10kA (optional) surge suppression protection tested in accordance with IEEE/ANSI C62.41.2
- Meets FCC Part 15, Subpart B, Class A limits for conducted and radiated emissions
- Luminaire and finish endurance tested to withstand 5,000 hours of elevated ambient salt fog conditions as defined in ASTM Standard B 117
- Lens meets IK07 requirements per IEC 60068-2
- Assembled in the USA by Cree Lighting from US and imported parts
- Meets Buy American requirements within ARRA
- RoHS compliant. Consult factory for additional details
- Dark Sky Friendly, IDA Approved when ordered with 30K CCT and direct arm mount only. Please refer to <https://www.darksky.org/our-work/lighting/lighting-for-industry/fsa/fsa-products/> for most current information (Pending)
- **CA RESIDENTS WARNING:** Cancer and Reproductive Harm – www.p65warnings.ca.gov

Product Specifications

SYNAPSE® SIMPLYSNAP INTELLIGENT CONTROL

The Synapse SimplySNAP platform is a highly intuitive connected lighting solution featuring zone dimming, motion sensing, and daylight harvesting with utility-grade power monitoring and support of up to 1000 nodes per gateway. The system features a reliable and robust self-healing mesh network with a browser-based interface that runs on smartphones, tablets, and PCs. The Twist-Lock Lighting Controller (TL7-B2 or TL7-HVG) and Site Controller (SS450-002) take the OSQ Series to a new performance plateau, providing extreme energy productivity, code compliance and a better light experience.

Synapse Wireless Control Accessories	
Twist-Lock Lighting Controller TL7-B2 - Suitable for 120-277V (UL) voltage only - Requires NEMA/ANSI C136.41 7-Pin Dimming Receptacle - Not for use with BML or Q options - Provides On/Off switching, dimming, power metering, digital sensor input, and status monitoring of luminaire - Refer to TL7-B2 spec sheet for details	Synapse Wireless Sensor WSN-DPM - Motion and light sensor - Control multiple zones - Refer to WSN-DPM spec sheet for details
Twist-Lock Lighting Controller TL7-HVG - Suitable for 120-480V (UL, UE and UH) voltages - Requires NEMA/ANSI C136.41 7-Pin Dimming Receptacle - Not for use with BML or Q options - Provides On/Off switching, dimming, power metering, digital sensor input, and status monitoring of luminaire - Refer to TL7-HVG spec sheet for details	SimplySNAP On-Site Controller SS450-002 - Verizon® LTE-enabled - Designed for indoor applications - Refer to SS450-002 spec sheet for details
SimplySNAP Central Base Station CBSSW-450-002 - Includes On-Site Controller (SS450-002) and 5-button switch - Indoor and Outdoor rated - Refer to CBSSW-450-002 spec sheet for details	Building Management System (BMS) Gateway BMS-GW-002 - Required for BACnet integration - Refer to BMS-GW-002 spec sheet for details
	Outdoor Antennas [Optional, for increased range, 8dB gain] KIT-ANT4205M - Kit includes antenna, 20' cable and bracket KIT-ANT360 - Kit includes antenna, 30' cable and bracket KIT-ANT600 - Kit includes antenna, 50' cable and bracket - Refer to Outdoor antenna spec sheet for details

Electrical Data*

Lumen Package	System Watts 120-480V	Utility Label Wattage	Total Current (A)					
			120V	208V	240V	277V	347V	480V
4L**	26	30	0.21	0.12	0.11	0.09	N/A	N/A
6L	37	40	0.31	0.18	0.15	0.13	0.11	0.08
9L	55	60	0.46	0.27	0.23	0.20	0.16	0.12
11L	68	70	0.57	0.33	0.28	0.25	0.20	0.14
16L	97	100	0.81	0.47	0.40	0.35	0.28	0.20
22L	131	130	1.09	0.63	0.55	0.47	0.38	0.27
30L	175	180	1.46	0.84	0.73	0.63	0.50	0.36
40L	236	240	1.96	1.13	0.98	0.85	0.68	0.49
50L	297	N/A	2.48	1.43	1.24	1.07	0.86	0.62
65L	384	N/A	3.20	1.85	1.60	1.39	1.11	0.80
75L	447	N/A	3.73	2.15	1.86	1.61	1.29	0.93

* Electrical data at 25°C (77°F). Actual wattage may differ by +/- 10% when operating between 120-277V, 277-480V or 347-480V +/- 10%.

** Available with UL voltage only.

OSQ-C Series Ambient Adjusted Lumen Maintenance¹

Ambient	Initial LMF	25K hr Reported ² LMF	50K hr Reported ² LMF	75K hr Reported ² LMF	100K hr Reported ² LMF
5°C (41°F)	1.02	0.99	0.93	0.88	0.83
10°C (50°F)	1.02	0.98	0.93	0.87	0.82
15°C (59°F)	1.01	0.98	0.92	0.87	0.82
20°C (68°F)	1.01	0.97	0.92	0.86	0.81
25°C (77°F)	1.00	0.97	0.91	0.86	0.81

¹ Lumen maintenance values at 25°C (77°F) are calculated per IES TM-21 based on IES LM-80 report data for the LED package and in-situ luminaire testing. Luminaire ambient temperature factors (LATF) have been applied to all lumen maintenance factors. Please refer to the [Temperature Zone Reference Document](#) for outdoor average nighttime ambient conditions.

² In accordance with IES TM-21, Reported values represent interpolated values based on time durations that are up to 6x the tested duration in the IES LM-80 report for the LED.

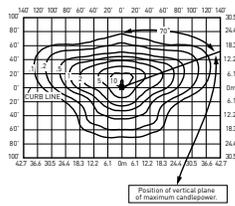
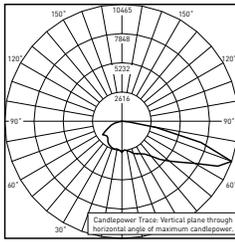
Accessories

Field-Installed	
Backlight Shield OSQ-M-C-BLSF (Medium) OSQ-L-C-BLSF (Large) OSQ-X-C-BLSF (Extra Large) - Not for use with rotated optics	Shorting Cap XA-XSLSHRT
Bird Spikes OSQ-M-C-BRDSPK OSQ-L-C-BRDSPK OSQ-X-C-BRDSPK	

Photometry

All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult: <https://creelighting.com/products/outdoor/area/osq-series>

2M



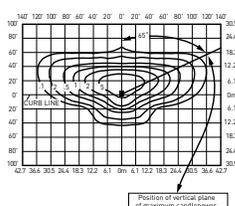
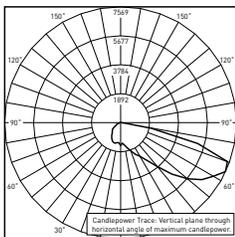
PRELIMINARY RESTL Test Report
OSQ Luminaire w/2M Optic
Initial Delivered Lumens: 15,560

OSQL-C-40L-40K7-2M-UL
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 38,000
Initial FC at grade

Type II Mid Distribution								
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	3,650	B1 U1 G1	3,800	B1 U1 G1	2,590	B1 U1 G1	3,800	B1 U1 G1
6L	5,475	B1 U1 G1	5,700	B1 U1 G1	3,880	B1 U1 G1	5,700	B1 U1 G1
9L	8,225	B2 U1 G2	8,550	B2 U1 G2	5,825	B1 U1 G1	8,550	B2 U1 G2
11L	10,025	B2 U1 G2	10,450	B2 U1 G2	7,100	B2 U1 G2	10,450	B2 U1 G2
16L	14,650	B3 U1 G3	15,200	B3 U1 G3	10,325	B2 U1 G2	15,200	B3 U1 G3
22L	20,100	B3 U1 G3	20,900	B3 U1 G3	14,200	B3 U1 G3	20,900	B3 U1 G3
30L	27,400	B3 U1 G3	28,500	B3 U1 G3	19,400	B3 U1 G3	28,500	B3 U1 G3
40L	36,500	B4 U1 G4	38,000	B4 U1 G4	25,900	B3 U1 G3	38,000	B4 U1 G4
50L	45,600	B4 U1 G5	47,500	B4 U1 G5	32,300	B3 U1 G4	47,500	B4 U1 G5
65L	59,300	B4 U1 G5	61,800	B4 U1 G5	42,000	B4 U1 G4	61,800	B4 U1 G5
75L	68,400	B5 U1 G5	71,300	B5 U1 G5	48,500	B4 U1 G5	71,300	B5 U1 G5

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

2B



PRELIMINARY RESTL Test Report
OSQ Luminaire w/2B Optic
Initial Delivered Lumens: 10,422

OSQL-C-40L-40K7-2B-UL
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 26,200
Initial FC at grade

Type II Mid w/BLS Distribution								
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	2,510	B1 U1 G1	2,620	B1 U1 G1	1,780	B0 U1 G1	2,620	B1 U1 G1
6L	3,760	B1 U1 G1	3,920	B1 U1 G1	2,670	B1 U1 G1	3,920	B1 U1 G1
9L	5,650	B1 U1 G1	5,875	B1 U1 G1	4,000	B1 U1 G1	5,875	B1 U1 G1
11L	6,900	B1 U1 G2	7,200	B1 U1 G2	4,890	B1 U1 G1	7,200	B1 U1 G2
16L	10,075	B2 U1 G2	10,450	B2 U1 G2	7,100	B1 U1 G2	10,450	B2 U1 G2
22L	13,800	B2 U1 G2	14,375	B2 U1 G2	9,775	B1 U1 G2	14,375	B2 U1 G2
30L	18,800	B2 U1 G3	19,600	B2 U1 G3	13,350	B2 U1 G2	19,600	B2 U1 G3
40L	25,100	B3 U1 G3	26,200	B3 U1 G3	17,800	B2 U1 G3	26,200	B3 U1 G3
50L	31,400	B3 U1 G4	32,700	B3 U1 G4	22,200	B3 U1 G3	32,700	B3 U1 G4
65L	40,800	B3 U1 G4	42,500	B3 U1 G4	28,900	B3 U1 G3	42,500	B3 U1 G4
75L	47,100	B3 U1 G4	49,000	B3 U1 G5	33,300	B3 U1 G4	49,000	B3 U1 G5

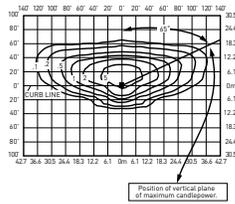
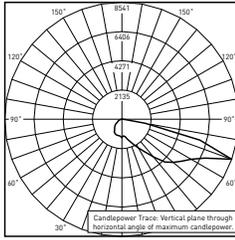
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

Photometry

All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult:

<https://creelighting.com/products/outdoor/area/osq-series>

2M W/OSQ-*-C-BLSF



PRELIMINARY RESTL Test Report
OSQ Luminaire w/2M Optic w/OSQ-M-C-BLSF
Initial Delivered Lumens: 9,579

OSQL-C-40L-40K7-2M-UL w/OSQ-L-C-BLSF
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 26,200
Initial FC at grade

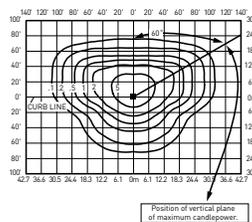
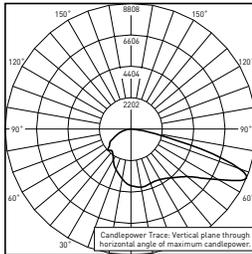
Type II Mid Distribution w/OSQ-*-C-BLSF

Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	2,510	B1 U1 G1	2,620	B1 U1 G1	1,780	B0 U1 G1	2,620	B1 U1 G1
6L	3,760	B1 U1 G1	3,920	B1 U1 G1	2,670	B1 U1 G1	3,920	B1 U1 G1
9L	5,650	B1 U1 G1	5,875	B1 U1 G1	4,000	B1 U1 G1	5,875	B1 U1 G1
11L	6,900	B1 U1 G2	7,200	B1 U1 G2	4,890	B1 U1 G2	7,200	B1 U1 G2
16L	10,075	B1 U1 G2	10,450	B1 U1 G2	7,100	B1 U1 G2	10,450	B1 U1 G2
22L	13,800	B2 U1 G2	14,375	B2 U1 G2	9,775	B1 U1 G2	14,375	B2 U1 G2
30L	18,800	B2 U1 G3	19,600	B2 U1 G3	13,350	B2 U1 G2	19,600	B2 U1 G3
40L	25,100	B3 U1 G3	26,200	B3 U1 G4	17,800	B2 U1 G3	26,200	B3 U1 G4
50L	31,400	B3 U1 G4	32,700	B3 U1 G4	22,200	B3 U1 G3	32,700	B3 U1 G4
65L	40,800	B3 U1 G4	42,500	B3 U1 G5	28,900	B3 U1 G4	42,500	B3 U1 G5
75L	47,100	B3 U1 G5	49,000	B3 U1 G5	33,300	B3 U1 G4	49,000	B3 U1 G5

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

3M



RESTL Test Report #: PL17240-001A
OSQM-C-16L-57K7-3M-UL-NM-WH
Initial Delivered Lumens: 15,444

OSQL-C-40L-40K7-3M-UL
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 38,000
Initial FC at grade

Type III Mid Distribution

Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	3,650	B1 U0 G1	3,800	B1 U0 G1	2,590	B1 U0 G1	3,800	B1 U0 G1
6L	5,475	B1 U0 G1	5,700	B1 U0 G1	3,880	B1 U0 G1	5,700	B1 U0 G1
9L	8,225	B2 U0 G2	8,550	B2 U0 G2	5,825	B1 U0 G1	8,550	B2 U0 G2
11L	10,025	B2 U0 G2	10,450	B2 U0 G2	7,100	B2 U0 G2	10,450	B2 U0 G2
16L	14,650	B3 U0 G3	15,200	B3 U0 G3	10,325	B2 U0 G2	15,200	B3 U0 G3
22L	20,100	B3 U0 G3	20,900	B3 U0 G3	14,200	B3 U0 G3	20,900	B3 U0 G3
30L	27,400	B3 U0 G3	28,500	B3 U0 G3	19,400	B3 U0 G3	28,500	B3 U0 G3
40L	36,500	B4 U0 G4	38,000	B4 U0 G4	25,900	B3 U0 G3	38,000	B4 U0 G4
50L	45,600	B4 U0 G4	47,500	B4 U0 G4	32,300	B3 U0 G4	47,500	B4 U0 G4
65L	59,300	B5 U0 G5	61,800	B5 U0 G5	42,000	B4 U0 G4	61,800	B5 U0 G5
75L	68,400	B5 U0 G5	71,300	B5 U0 G5	48,500	B4 U0 G4	71,300	B5 U0 G5

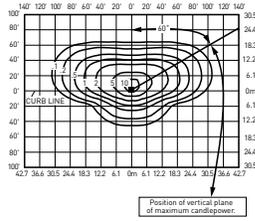
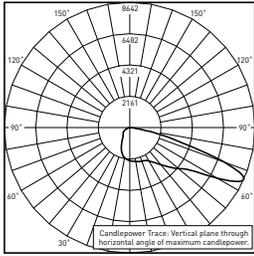
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

Photometry

All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult: <https://creelighting.com/products/outdoor/area/osq-series>

3B



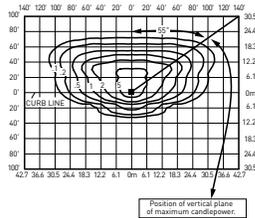
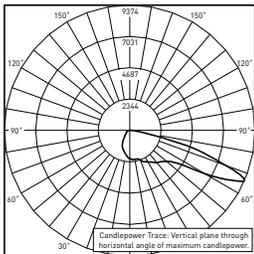
RESSL Test Report #: PL17366-001A
OSQM-C-16L-57K7-3B-UL-NM-WH
Initial Delivered Lumens: 10,081

OSQL-C-40L-40K7-3B-UL
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 26,200
Initial FC at grade

Type III Mid w/BLS Distribution								
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	2,510	B1 U0 G1	2,620	B1 U0 G1	1,780	B0 U0 G1	2,620	B1 U0 G1
6L	3,760	B1 U0 G1	3,920	B1 U0 G1	2,670	B1 U0 G1	3,920	B1 U0 G1
9L	5,650	B1 U0 G1	5,875	B1 U0 G1	4,000	B1 U0 G1	5,875	B1 U0 G1
11L	6,900	B1 U0 G2	7,200	B1 U0 G2	4,890	B1 U0 G1	7,200	B1 U0 G2
16L	10,075	B2 U0 G2	10,450	B2 U0 G2	7,100	B1 U0 G2	10,450	B2 U0 G2
22L	13,800	B2 U0 G2	14,375	B2 U0 G2	9,775	B2 U0 G2	14,375	B2 U0 G2
30L	18,800	B3 U0 G3	19,600	B3 U0 G3	13,350	B2 U0 G2	19,600	B3 U0 G3
40L	25,100	B3 U0 G3	26,200	B3 U0 G3	17,800	B3 U0 G3	26,200	B3 U0 G3
50L	31,400	B3 U0 G4	32,700	B3 U0 G4	22,200	B3 U0 G3	32,700	B3 U0 G4
65L	40,800	B3 U0 G4	42,500	B4 U0 G4	28,900	B3 U0 G4	42,500	B4 U0 G4
75L	47,100	B4 U0 G5	49,000	B4 U0 G5	33,300	B3 U0 G4	49,000	B4 U0 G5

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
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3M W/OSQ-*-C-BLSF



RESSL Test Report#: PL17054-001A
OSQM-C-16L-57K7-3M-UL-NM-WH-R w/
OSQ-M-C-BLSF
Initial Delivered Lumens: 10,227

OSQL-C-40L-40K7-3M-UL w/OSQ-L-C-BLSF
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 26,200
Initial FC at grade

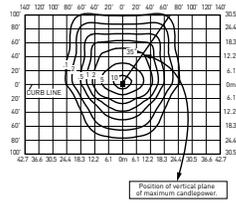
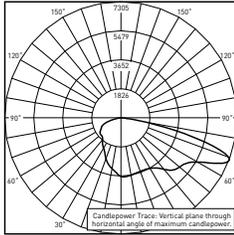
Type III Mid Distribution w/OSQ-*-C-BLSF								
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	2,510	B1 U1 G1	2,620	B1 U1 G1	1,780	B0 U1 G1	2,620	B1 U1 G1
6L	3,760	B1 U1 G1	3,920	B1 U1 G1	2,670	B1 U1 G1	3,920	B1 U1 G1
9L	5,650	B1 U1 G1	5,875	B1 U1 G1	4,000	B1 U1 G1	5,875	B1 U1 G2
11L	6,900	B1 U1 G2	7,200	B1 U1 G2	4,890	B1 U1 G1	7,200	B1 U1 G2
16L	10,075	B2 U1 G2	10,450	B2 U1 G2	7,100	B1 U1 G2	10,450	B2 U1 G2
22L	13,800	B2 U2 G2	14,375	B2 U2 G2	9,775	B2 U1 G2	14,375	B2 U2 G2
30L	18,800	B3 U2 G3	19,600	B3 U2 G3	13,350	B2 U2 G2	19,600	B3 U2 G3
40L	25,100	B3 U2 G4	26,200	B3 U2 G4	17,800	B3 U2 G3	26,200	B3 U2 G4
50L	31,400	B3 U2 G4	32,700	B3 U2 G4	22,200	B3 U2 G3	32,700	B3 U2 G4
65L	40,800	B3 U2 G5	42,500	B3 U2 G5	28,900	B3 U2 G4	42,500	B3 U2 G5
75L	47,100	B4 U2 G5	49,000	B4 U2 G5	33,300	B3 U2 G4	49,000	B4 U2 G5

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

Photometry

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4M



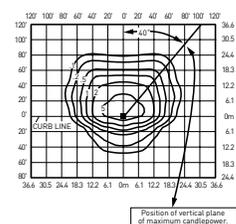
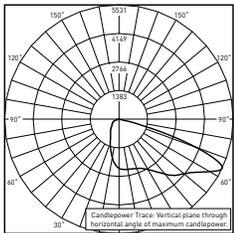
RESTL Test Report #: PL17299-001A
OSQM-C-16L-57K7-4M-UL-NM-WH
Initial Delivered Lumens: 15,584

OSQL-C-40L-40K7-4M-UL
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 38,000
Initial FC at grade

Type IV Mid Distribution								
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	3,650	B1 U0 G1	3,800	B1 U0 G1	2,590	B1 U0 G1	3,800	B1 U0 G1
6L	5,475	B1 U0 G1	5,700	B1 U0 G1	3,880	B1 U0 G1	5,700	B1 U0 G1
9L	8,225	B2 U0 G2	8,550	B2 U0 G2	5,825	B1 U0 G1	8,550	B2 U0 G2
11L	10,025	B2 U0 G2	10,450	B2 U0 G2	7,100	B2 U0 G1	10,450	B2 U0 G2
16L	14,650	B3 U0 G2	15,200	B3 U0 G2	10,325	B2 U0 G2	15,200	B3 U0 G2
22L	20,100	B3 U0 G3	20,900	B3 U0 G3	14,200	B3 U0 G2	20,900	B3 U0 G3
30L	27,400	B3 U0 G3	28,500	B3 U0 G3	19,400	B3 U0 G3	28,500	B3 U0 G3
40L	36,500	B4 U0 G4	38,000	B4 U0 G4	25,900	B3 U0 G3	38,000	B4 U0 G4
50L	45,600	B4 U0 G4	47,500	B4 U0 G4	32,300	B4 U0 G3	47,500	B4 U0 G4
65L	59,300	B5 U0 G5	61,800	B5 U0 G5	42,000	B4 U0 G4	61,800	B5 U0 G5
75L	68,400	B5 U0 G5	71,300	B5 U0 G5	48,500	B4 U0 G4	71,300	B5 U0 G5

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
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4B



RESTL Test Report #: PL17367-001A
OSQM-C-16L-57K7-4B-UL-NM-WH
Initial Delivered Lumens: 9,812

OSQL-C-40L-40K7-4B-UL
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 24,000
Initial FC at grade

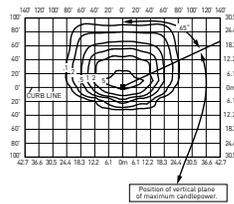
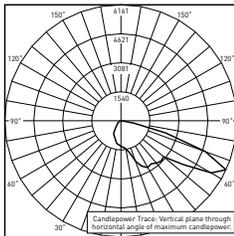
Type IV Mid w/BLS Distribution								
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	2,300	B1 U0 G0	2,400	B1 U0 G0	1,630	B0 U0 G0	2,400	B1 U0 G0
6L	3,440	B1 U0 G1	3,590	B1 U0 G1	2,440	B1 U0 G0	3,590	B1 U0 G1
9L	5,175	B1 U0 G1	5,400	B1 U0 G1	3,670	B1 U0 G1	5,400	B1 U0 G1
11L	6,325	B1 U0 G1	6,600	B1 U0 G1	4,480	B1 U0 G1	6,600	B1 U0 G1
16L	9,225	B2 U0 G2	9,575	B2 U0 G2	6,525	B1 U0 G1	9,575	B2 U0 G2
22L	12,625	B2 U0 G2	13,175	B2 U0 G2	8,950	B2 U0 G2	13,175	B2 U0 G2
30L	17,200	B3 U0 G2	18,000	B3 U0 G2	12,225	B2 U0 G2	18,000	B3 U0 G2
40L	23,000	B3 U0 G3	24,000	B3 U0 G3	16,300	B3 U0 G2	24,000	B3 U0 G3
50L	28,700	B3 U0 G3	29,900	B3 U0 G3	20,400	B3 U0 G2	29,900	B3 U0 G3
65L	37,400	B3 U0 G4	38,900	B3 U0 G4	26,500	B3 U0 G3	38,900	B3 U0 G4
75L	43,100	B4 U0 G4	44,900	B4 U0 G4	30,500	B3 U0 G3	44,900	B4 U0 G4

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
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Photometry

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4M W/OSQ-*-C-BLSF



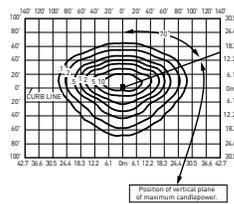
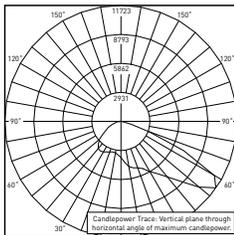
PRELIMINARY RESTL Test Report
OSQ Luminaire w/4M Optic w/OSQ-M-C-BLSF
Initial Delivered Lumens: 9,345

OSQL-C-40L-40K7-4M-UL w/OSQ-L-C-BLSF
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 24,000
Initial FC at grade

Type IV Mid Distribution w/OSQ-*-C-BLSF								
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	2,300	B0 U1 G1	2,400	B1 U1 G1	1,630	B0 U1 G1	2,400	B1 U1 G1
6L	3,440	B1 U1 G1	3,590	B1 U1 G1	2,440	B1 U1 G1	3,590	B1 U1 G1
9L	5,175	B1 U1 G1	5,400	B1 U1 G1	3,670	B1 U1 G1	5,400	B1 U1 G1
11L	6,325	B1 U1 G2	6,600	B1 U1 G2	4,480	B1 U1 G1	6,600	B1 U1 G2
16L	9,225	B1 U1 G2	9,575	B1 U1 G2	6,525	B1 U1 G2	9,575	B1 U1 G2
22L	12,625	B2 U1 G2	13,175	B2 U1 G2	8,950	B1 U1 G2	13,175	B2 U1 G2
30L	17,200	B2 U1 G3	18,000	B2 U1 G3	12,225	B2 U1 G2	18,000	B2 U1 G3
40L	23,000	B3 U1 G3	24,000	B3 U1 G3	16,300	B2 U1 G2	24,000	B3 U1 G3
50L	28,700	B3 U1 G4	29,900	B3 U1 G4	20,400	B2 U1 G3	29,900	B3 U1 G4
65L	37,400	B3 U1 G4	38,900	B3 U1 G4	26,500	B3 U1 G4	38,900	B3 U1 G4
75L	43,100	B3 U1 G5	44,900	B3 U1 G5	30,500	B3 U1 G4	44,900	B3 U1 G5

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
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AF



PRELIMINARY RESTL Test Report
OSQ Luminaire w/AF Optic
Initial Delivered Lumens: 15,866

OSQL-C-40L-40K7-AF-UL
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 38,000
Initial FC at grade

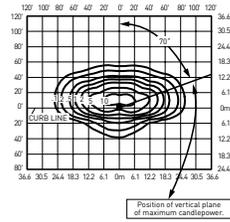
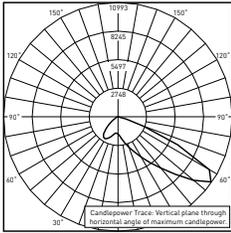
Automotive FrontLineOptic™ Distribution								
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	3,650	B1 U1 G1	3,800	B1 U1 G1	2,590	B1 U1 G1	3,800	B1 U1 G1
6L	5,475	B1 U1 G1	5,700	B1 U1 G1	3,880	B1 U1 G1	5,700	B1 U1 G1
9L	8,225	B2 U1 G1	8,550	B2 U1 G1	5,825	B1 U1 G1	8,550	B2 U1 G1
11L	10,025	B2 U1 G2	10,450	B2 U1 G2	7,100	B2 U1 G1	10,450	B2 U1 G2
16L	14,650	B3 U1 G2	15,200	B3 U1 G2	10,325	B2 U1 G2	15,200	B3 U1 G2
22L	20,100	B3 U1 G3	20,900	B3 U1 G3	14,200	B2 U1 G2	20,900	B3 U1 G3
30L	27,400	B3 U1 G3	28,500	B3 U1 G3	19,400	B3 U1 G3	28,500	B3 U1 G3
40L	36,500	B4 U1 G3	38,000	B4 U1 G3	25,900	B3 U1 G3	38,000	B4 U1 G3
50L	45,600	B4 U1 G4	47,500	B4 U1 G4	32,300	B3 U1 G3	47,500	B4 U1 G4
65L	59,300	B5 U1 G4	61,800	B5 U1 G4	42,000	B4 U1 G3	61,800	B5 U1 G4
75L	68,400	B5 U1 G4	71,300	B5 U1 G4	48,500	B4 U1 G4	71,300	B5 U1 G4

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

Photometry

All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult: <https://creelighting.com/products/outdoor/area/osq-series>

AB



PRELIMINARY RESTL Test Report
OSQ Luminaire w/AB Optic
Initial Delivered Lumens: 11,393

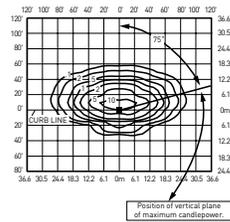
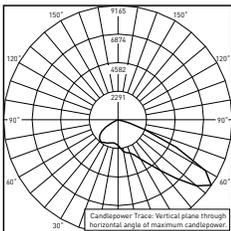
OSQ-L-C-40L-40K7-AB-UL
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 26,200
Initial FC at grade

Automotive FrontLineOptic™ w/BLS Distribution

Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	2,510	B1 U1 G0	2,620	B1 U1 G0	1,780	B0 U1 G0	2,620	B1 U1 G0
6L	3,760	B1 U1 G0	3,920	B1 U1 G1	2,670	B1 U1 G0	3,920	B1 U1 G1
9L	5,650	B1 U1 G1	5,875	B1 U1 G1	4,000	B1 U1 G1	5,875	B1 U1 G1
11L	6,900	B1 U1 G1	7,200	B1 U1 G1	4,890	B1 U1 G1	7,200	B1 U1 G1
16L	10,075	B2 U1 G1	10,450	B2 U1 G1	7,100	B1 U1 G1	10,450	B2 U1 G1
22L	13,800	B2 U1 G2	14,375	B2 U1 G2	9,775	B2 U1 G1	14,375	B2 U1 G2
30L	18,800	B2 U1 G2	19,600	B2 U1 G2	13,350	B2 U1 G2	19,600	B2 U1 G2
40L	25,100	B3 U1 G2	26,200	B3 U1 G2	17,800	B2 U1 G2	26,200	B3 U1 G2
50L	31,400	B3 U1 G2	32,700	B3 U1 G2	22,200	B3 U1 G2	32,700	B3 U1 G2
65L	40,800	B3 U1 G3	42,500	B3 U1 G3	28,900	B3 U1 G2	42,500	B3 U1 G3
75L	47,100	B3 U1 G3	49,000	B4 U1 G3	33,300	B3 U1 G2	49,000	B4 U1 G3

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

AF W/OSQ*-C-BLSF



PRELIMINARY RESTL Test Report
OSQ Luminaire w/AF Optic w/OSQ-M-C-BLSF
Initial Delivered Lumens: 9,783

OSQ-L-C-40L-40K7-AF-UL w/OSQ-L-C-BLSF
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 26,200
Initial FC at grade

Automotive FrontLineOptic™ w/OSQ*-C-BLSF

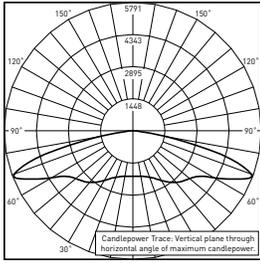
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	2,510	B1 U1 G0	2,620	B1 U1 G0	1,780	B0 U1 G0	2,620	B1 U1 G0
6L	3,760	B1 U1 G0	3,920	B1 U1 G1	2,670	B1 U1 G0	3,920	B1 U1 G1
9L	5,650	B1 U1 G1	5,875	B1 U1 G1	4,000	B1 U1 G1	5,875	B1 U1 G1
11L	6,900	B1 U1 G1	7,200	B1 U1 G1	4,890	B1 U1 G1	7,200	B1 U1 G1
16L	10,075	B2 U1 G1	10,450	B2 U1 G1	7,100	B1 U1 G1	10,450	B2 U1 G1
22L	13,800	B2 U1 G2	14,375	B2 U1 G2	9,775	B2 U1 G1	14,375	B2 U1 G2
30L	18,800	B3 U1 G2	19,600	B3 U1 G2	13,350	B2 U1 G2	19,600	B3 U1 G2
40L	25,100	B3 U1 G2	26,200	B3 U1 G2	17,800	B2 U1 G2	26,200	B3 U1 G2
50L	31,400	B3 U1 G2	32,700	B3 U1 G2	22,200	B3 U1 G2	32,700	B3 U1 G2
65L	40,800	B3 U1 G3	42,500	B3 U1 G3	28,900	B3 U1 G2	42,500	B3 U1 G3
75L	47,100	B4 U1 G3	49,000	B4 U1 G3	33,300	B3 U1 G2	49,000	B4 U1 G3

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

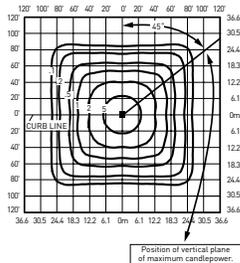
Photometry

All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult: <https://creelighting.com/products/outdoor/area/osq-series>

5M



RESTL Test Report #: PL17290-002A
OSQM-C-16L-57K7-5M-UL-NM-WH
Initial Delivered Lumens: 15,567

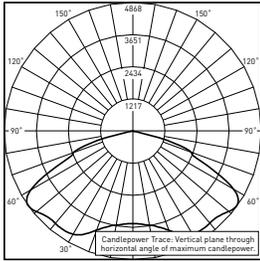


OSQL-C-40L-40K7-5M-UL
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 40,000
Initial FC at grade

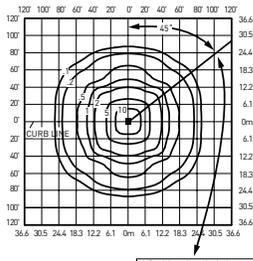
Type V Mid Distribution								
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	3,840	B2 U0 G1	4,000	B2 U0 G1	2,720	B2 U0 G1	4,000	B2 U0 G1
6L	5,750	B3 U0 G1	6,000	B3 U0 G1	4,080	B2 U0 G1	6,000	B3 U0 G1
9L	8,650	B3 U0 G1	9,000	B3 U0 G1	6,125	B3 U0 G1	9,000	B3 U0 G1
11L	10,550	B3 U0 G2	11,000	B3 U0 G2	7,475	B3 U0 G1	11,000	B3 U0 G2
16L	15,400	B4 U0 G2	16,000	B4 U0 G2	10,875	B3 U0 G2	16,000	B4 U0 G2
22L	21,100	B4 U0 G2	22,000	B4 U0 G2	14,950	B4 U0 G2	22,000	B4 U0 G2
30L	28,800	B5 U0 G3	30,000	B5 U0 G3	20,400	B4 U0 G2	30,000	B5 U0 G3
40L	38,400	B5 U0 G3	40,000	B5 U0 G4	27,200	B5 U0 G3	40,000	B5 U0 G4
50L	48,000	B5 U0 G4	50,000	B5 U0 G4	34,000	B5 U0 G3	50,000	B5 U0 G4
65L	62,400	B5 U0 G5	65,000	B5 U0 G5	44,200	B5 U0 G4	65,000	B5 U0 G5
75L	72,000	B5 U0 G5	75,000	B5 U0 G5	51,000	B5 U0 G4	75,000	B5 U0 G5

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

5N



RESTL Test Report #: PL17333-002A
OSQM-C-16L-57K7-5N-UL-NM-WH
Initial Delivered Lumens: 16,299



OSQL-C-40L-40K7-5N-UL
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 40,000
Initial FC at grade

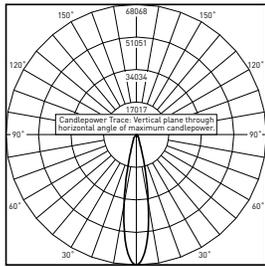
Type V Narrow Distribution								
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	3,840	B2 U0 G0	4,000	B2 U0 G0	2,720	B1 U0 G0	4,000	B2 U0 G0
6L	5,750	B2 U0 G0	6,000	B2 U0 G1	4,080	B2 U0 G0	6,000	B2 U0 G1
9L	8,650	B2 U0 G1	9,000	B3 U0 G1	6,125	B2 U0 G1	9,000	B3 U0 G1
11L	10,550	B3 U0 G1	11,000	B3 U0 G1	7,475	B2 U0 G1	11,000	B3 U0 G1
16L	15,400	B3 U0 G1	16,000	B3 U0 G2	10,875	B3 U0 G1	16,000	B3 U0 G2
22L	21,100	B4 U0 G2	22,000	B4 U0 G2	14,950	B3 U0 G1	22,000	B4 U0 G2
30L	28,800	B4 U0 G2	30,000	B5 U0 G2	20,400	B4 U0 G2	30,000	B5 U0 G2
40L	38,400	B5 U0 G2	40,000	B5 U0 G2	27,200	B4 U0 G2	40,000	B5 U0 G2
50L	48,000	B5 U0 G3	50,000	B5 U0 G3	34,000	B5 U0 G2	50,000	B5 U0 G3
65L	62,400	B5 U0 G3	65,000	B5 U0 G3	44,200	B5 U0 G2	65,000	B5 U0 G3
75L	72,000	B5 U0 G4	75,000	B5 U0 G4	51,000	B5 U0 G3	75,000	B5 U0 G4

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

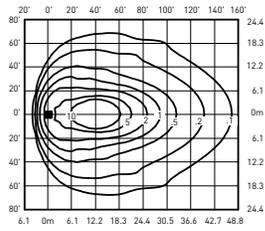
Photometry

All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult: <https://creelighting.com/products/outdoor/area/osq-series>

33



RESTL Test Report #: PL17338-001A
OSQM-C-16L-57K7-33-UL-NM-WH
Initial Delivered Lumens: 16,127

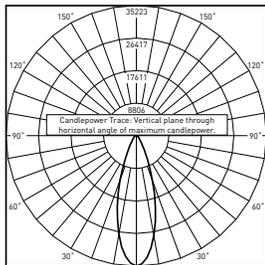


OSQL-C-40L-40K7-33-UL
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt
Initial Delivered Lumens: 40,000
Initial FC at grade

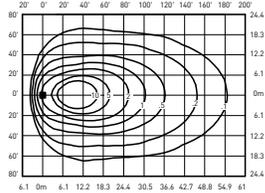
NEMA® 3x3 Distribution				
Lumen Package	3000K (70 CRI)	4000K (70 CRI)	5000K (90CRI)	5700K (70 CRI)
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
4L	3,840	4,000	2,720	4,000
6L	5,750	6,000	4,080	6,000
9L	8,650	9,000	6,125	9,000
11L	10,550	11,000	7,475	11,000
16L	15,400	16,000	10,875	16,000
22L	21,100	22,000	14,950	22,000
30L	28,800	30,000	20,400	30,000
40L	38,400	40,000	27,200	40,000
50L	48,000	50,000	34,000	50,000
65L	62,400	65,000	44,200	65,000
75L	72,000	75,000	51,000	75,000

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

44



PRELIMINARY RESTL Test Report
OSQ Luminaire w/44 Optic
Initial Delivered Lumens: 16,001



OSQL-C-40L-40K7-44-UL
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt
Initial Delivered Lumens: 40,000
Initial FC at grade

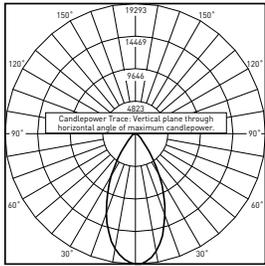
NEMA® 4x4 Distribution				
Lumen Package	3000K (70 CRI)	4000K (70 CRI)	5000K (90CRI)	5700K (70 CRI)
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
4L	3,840	4,000	2,720	4,000
6L	5,750	6,000	4,080	6,000
9L	8,650	9,000	6,125	9,000
11L	10,550	11,000	7,475	11,000
16L	15,400	16,000	10,875	16,000
22L	21,100	22,000	14,950	22,000
30L	28,800	30,000	20,400	30,000
40L	38,400	40,000	27,200	40,000
50L	48,000	50,000	34,000	50,000
65L	62,400	65,000	44,200	65,000
75L	72,000	75,000	51,000	75,000

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

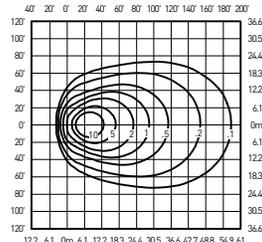
Photometry

All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult: <https://creelighting.com/products/outdoor/area/osq-series>

55



PRELIMINARY RESTL Test Report
OSQ Luminaire w/55 Optic
Initial Delivered Lumens: 15,967

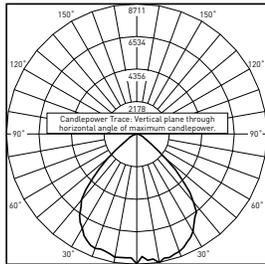


OSQ-L-C-40L-40K7-55-UL
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt
Initial Delivered Lumens: 40,000
Initial FC at grade

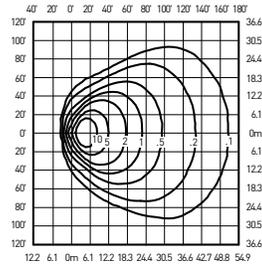
NEMA® 5x5 Distribution				
Lumen Package	3000K (70 CRI)	4000K (70 CRI)	5000K (90CRI)	5700K (70 CRI)
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
4L	3,840	4,000	2,720	4,000
6L	5,750	6,000	4,080	6,000
9L	8,650	9,000	6,125	9,000
11L	10,550	11,000	7,475	11,000
16L	15,400	16,000	10,875	16,000
22L	21,100	22,000	14,950	22,000
30L	28,800	30,000	20,400	30,000
40L	38,400	40,000	27,200	40,000
50L	48,000	50,000	34,000	50,000
65L	62,400	65,000	44,200	65,000
75L	72,000	75,000	51,000	75,000

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

66



PRELIMINARY RESTL Test Report
OSQ Luminaire w/66 Optic
Initial Delivered Lumens: 15,952



OSQ-L-C-40L-40K7-66-UL
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt
Initial Delivered Lumens: 40,000
Initial FC at grade

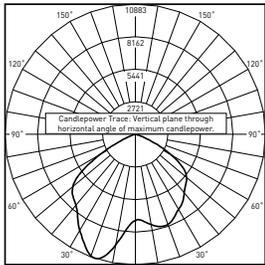
NEMA® 6x6 Distribution				
Lumen Package	3000K (70 CRI)	4000K (70 CRI)	5000K (90CRI)	5700K (70 CRI)
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
4L	3,840	4,000	2,720	4,000
6L	5,750	6,000	4,080	6,000
9L	8,650	9,000	6,125	9,000
11L	10,550	11,000	7,475	11,000
16L	15,400	16,000	10,875	16,000
22L	21,100	22,000	14,950	22,000
30L	28,800	30,000	20,400	30,000
40L	38,400	40,000	27,200	40,000
50L	48,000	50,000	34,000	50,000
65L	62,400	65,000	44,200	65,000
75L	72,000	75,000	51,000	75,000

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

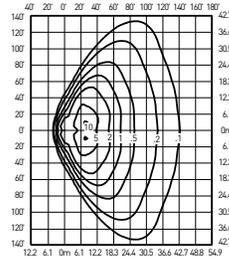
Photometry

All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult: <https://creelighting.com/products/outdoor/area/osq-series>

75



RESTL Test Report #: PL17352-001A
OSQM-C-16L-57K7-75-UL-NM-WH
Initial Delivered Lumens: 16,120



OSQL-C-40L-40K7-75-UL
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt
Initial Delivered Lumens: 40,000
Initial FC at grade

NEMA® 7x5 Distribution				
Lumen Package	3000K (70 CRI)	4000K (70 CRI)	5000K (90CRI)	5700K (70 CRI)
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
4L	3,840	4,000	2,720	4,000
6L	5,750	6,000	4,080	6,000
9L	8,650	9,000	6,125	9,000
11L	10,550	11,000	7,475	11,000
16L	15,400	16,000	10,875	16,000
22L	21,100	22,000	14,950	22,000
30L	28,800	30,000	20,400	30,000
40L	38,400	40,000	27,200	40,000
50L	48,000	50,000	34,000	50,000
65L	62,400	65,000	44,200	65,000
75L	72,000	75,000	51,000	75,000

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

Luminaire EPA

Adjustable Arm Mount – OSQ-ML-C-AA Weight: Medium - 19.3 lbs. [8.8kg]; Large - 28.4 lbs. [12.9kg]; OSQ-X-C-DA Weight: Extra Large - 48.6 lbs. [22kg]								
	Single	2 @ 180°	2 @ 90°	3 @ 90°	3 @ 120°	3 @ 180°	4 @ 180°	4 @ 90°
Luminaire	Tenon Configuration [0° - 90° Tilt]; If used with Cree Lighting tenons, please add tenon EPA with Luminaire EPA							
	PB-1A*; PT-1*; PW-1A3**	PB-2A*; PB-2R2.375; PD-2A4(180)*; PT-2(180)*; PW-2A3**	PB-2A*; PB-2R2.375; PD-2A4(90)*; PT-2(90)*; PW-2A3**	PB-3A*; PB-3R2.375; PD-3A4(90)*; PT-3(90)*	PB-3A*; PB-3R2.375; PT-3(120)*	PB-3A*; PB-3R2.375	PB-4A*(180); PB-4R2.375	PB-4A*(90); PB-4R2.375; PD-4A4(90)*; PT-4(90)*
	0° Tilt							
OSQM	0.69	1.38	1.11	1.80	2.01	1.38	1.73	2.22
OSQL	0.78	1.55	1.30	2.07	2.33	1.55	1.94	2.60
OSQX	0.98	1.95	1.65	2.63	2.97	1.95	2.44	3.31
	45° Tilt							
OSQM	1.41	2.81	2.10	3.50	4.23	4.22	5.63	4.19
OSQL	2.62	5.23	3.39	6.01	6.91	7.85	10.46	6.79
OSQX	4.35	8.70	5.33	9.68	9.65	13.05	17.40	10.66
	90° Tilt***							
OSQM	1.89	3.79	2.58	4.48	5.56	5.68	7.57	5.17
OSQL	3.52	7.03	4.29	7.81	9.14	10.55	14.07	8.59
OSQX	5.84	11.68	6.82	12.66	12.78	17.52	23.36	13.63

* Specify pole size: 3 [3"], 4 [4"], 5 [5"], or 6 [6"] for single, double or triple luminaire orientation or 4 [4"], 5 [5"], or 6 [6"] for quad luminaire orientation
 ** These EPA values must be multiplied by the following ratio: Fixture Mounting Height/Total Pole Height. Specify pole size: 3 [3"], 4 [4"], 5 [5"], or 6 [6"]
 *** PD-2A4(90), PT-2(90), PD-3A4(90), PT-3(90), PD-4A4(90), PT-4(90) are not compatible with 90 degree tilt
 + PT & PD aluminum tenons are not suitable for use with OSQX luminaires.

Tenon EPA

Part Number	EPA
PB-1A*	None
PB-2A*	0.82
PB-3A*	1.52
PB-4A*(180)	2.22
PB-4A*(90)	1.11
PB-2R2.375	0.92
PB-3R2.375	1.62
PB-4R2.375	2.32
PD Series Tenons	0.09
PT Series Tenons	0.10
PW-1A3**	0.47
PW-2A3**	0.94
WM-2	0.08
WM-4	0.25
WM-DM	None

* Specify pole size: 3 [3"], 4 [4"], 5 [5"], or 6 [6"] for single, double or triple luminaire orientation or 4 [4"], 5 [5"], or 6 [6"] for quad luminaire orientation
 ** These EPA values must be multiplied by the following ratio: Fixture Mounting Height/Total Pole Height. Specify pole size: 3 [3"], 4 [4"], 5 [5"], or 6 [6"]

Tenons and Brackets [†] (must specify color)	
<p>Square Internal Mount Vertical Tenons (Steel) - Mounts to 3-6" (76-152mm) square aluminum or steel poles</p> <p>PB-1A* – Single PB-2A* – 180° Twin PB-3A* – 180° Triple</p> <p>PB-4A*(90) – 90° Quad PB-4A*(180) – 180° Quad</p>	<p>Round External Mount Vertical Tenons (Steel) - Mounts to 2.375" (60mm) O.D. round aluminum or steel poles or tenons</p> <p>PB-2R2.375 – Twin PB-3R2.375 – Triple PB-4R2.375 – Quad</p>
<p>Square Internal Mount Horizontal Tenons (Aluminum) - Mounts to 4" (102mm) square aluminum or steel poles - Not for use with OSQX luminaires</p> <p>PD-2A4(90) – 90° Twin PD-2A4(180) – 180° Twin PD-3A4(90) – 90° Triple PD-4A4(90) – 90° Quad</p>	<p>Round External Mount Horizontal Tenons (Aluminum) - Mounts to 2.375" (60mm) O.D. round aluminum or steel poles or tenons - Mounts to square pole with PB-1A* tenon - Not for use with OSQX luminaires</p> <p>PT-1 – Single (Vertical) PT-2(90) – 90° Twin PT-2(180) – 180° Twin PT-3(90) – 90° Triple PT-3(120) – 120° Triple PT-4(90) – 90° Quad</p>
<p>Wall Mount Brackets - Mounts to wall or roof</p> <p>WM-2 – Horizontal for OSQ-ML-C-AA or OSQ-X-C-AA mounts WM-4 – L-Shape for OSQ-ML-C-AA or OSQ-X-C-AA mounts WM-DM – Plate for OSQ-ML-C-DA or OSQ-X-C-DA mounts</p>	<p>Mid-Pole Bracket - Mounts to square pole</p> <p>PW-1A3** – Single PW-2A3** – Double</p>
	<p>Ground Mount Post - For ground-mounted flood luminaires</p> <p>PGM-1 - for OSQ-ML-C-AA or OSQ-X-C-AA mounts</p>

[†] Refer to the [Bracket and Tenons spec sheet](#) for more details

Luminaire EPA

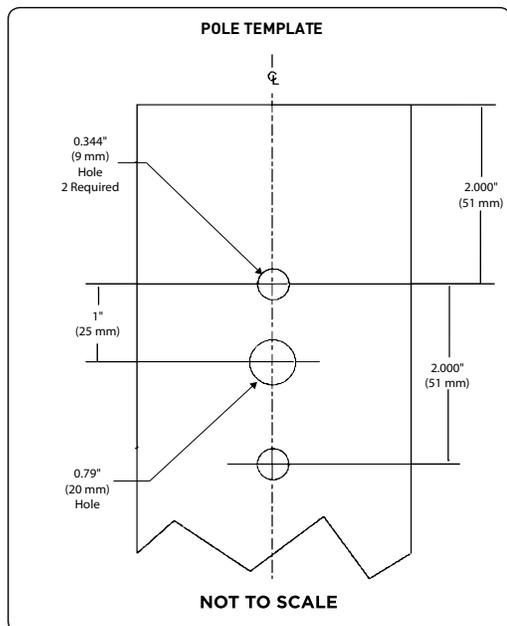
Direct Arm Mount – OSQ-ML-C-DA Weight: Medium - 19.7 lbs. (8.9kg); Large - 28.8 lbs. (13.1kg); OSQ-X-C-DA Weight: Extra Large - 45.8 lbs. (20.8kg)						
Luminaire	Single	2 @ 180°	2 @ 90°	3 @ 90°	3 @ 120°	4 @ 90°
OSQM	0.63	1.26	0.98	1.61	1.79	1.97
OSQL	0.72	1.45	1.24	1.97	2.23	2.49
OSQX	0.91	1.83	1.52	2.43	2.74	3.04

Direct Mount Configurations

Compatibility with Direct Mount Brackets					
Size	2 @ 90°	2 @ 180°	3 @ 90°	3 @ 120°	4 @ 90°
3" Square					
Medium/Large	✓	✓	✓	N/A	✓
Extra Large	N/A	✓	N/A	N/A	N/A
3" Round					
Medium/Large	N/A	✓	N/A	✓	N/A
Extra Large	N/A	N/A	N/A	N/A	N/A
4" Square					
Medium/Large	✓	✓	✓	N/A	✓
Extra Large	✓	✓	✓	N/A	✓
4" Round					
Medium/Large	✓	✓	✓	✓	✓
Extra Large	✓	✓	✓	✓	✓
5" Square					
Medium/Large	✓	✓	✓	N/A	✓
Extra Large	✓	✓	✓	N/A	✓
5" Round					
Medium/Large	✓	✓	✓	✓	✓
Extra Large	✓	✓	✓	✓	✓
6" + Square					
Medium/Large	✓	✓	✓	N/A	✓
Extra Large	✓	✓	✓	N/A	✓
6" + Round					
Medium/Large	✓	✓	✓	✓	✓
Extra Large	✓	✓	✓	✓	✓

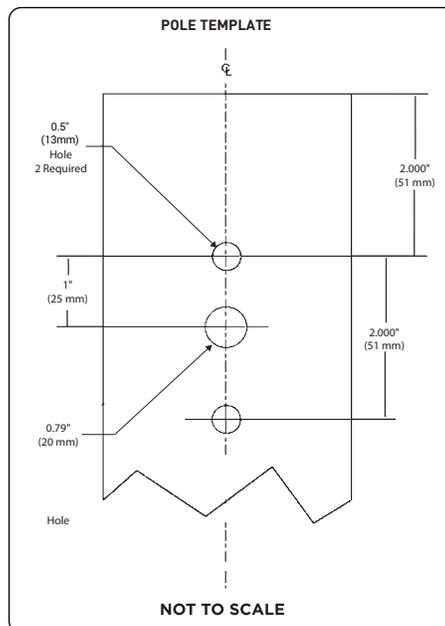
Fixture Mounting Drill Pattern for OSQ-ML-C-DA Mount

Note: When using with Cree Lighting poles, order the BLANK Fixture Mounting Drill Pattern.



Fixture Mounting Drill Pattern for OSQ-X-C-DA

Note: When using with Cree Lighting poles, order the Q Fixture Mounting Drill Pattern.



Luminaire EPA

Trunnion Mount – OSQ-ML-C-TM Weight:	
Medium - 23.2 lbs. (10.5kg);	
Large - 32.3 lbs. (14.7kg)	
Single	
Medium	Large
0° Tilt	
0.69	0.78
45° Tilt	
1.41	2.62
90° Tilt	
1.89	3.52

Field Adjustable Output (Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:

The Field Adjustable Output option enables the OSQ area luminaires to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected Q setting and will be fully adjustable between the nine settings. When ordered with the N option, the luminaire will include an ANSI C136.15-2020 utility label that indicates the wattage (rounded to nearest 10W), the lumen output (rounded to nearest 1000 lumens), and the CCT of the luminaire at the selected lumen output. Additional dimming functionality is available when a dimming control (by others) is used in the 7-Pin receptacle.

Locked Lumen Output (X8/X7/X6/X5/X4/X3/X2/X1) Option Description:

The Locked Lumen Output option on this page permanently locks the lumen output on the OSQ area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected and will only be able to be adjusted down in the field through a dimming control (by others). When ordered with the N option, the luminaire will include a utility label that indicates the wattage, lumen output, and CCT of the setting selected.

Q & X Option Power & Lumen Data – 4L Lumen Package

Q/X Option Setting	CCT/CRI	System Watts 120-277V	Lumen Values				Utility Label Wattage	Utility Label Lumens			
			Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS		Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS
Q9 (Full Power)	30K (70 CRI)	26	3,650	3,840	2,510	2,300	30	4000 L	4000 L	3000 L	2000 L
	40K (70 CRI)		3,800	4,000	2,620	2,400		4000 L	4000 L	3000 L	2000 L
	50K (90 CRI)		2,590	2,720	1,780	1,630		3000 L	3000 L	2000 L	2000 L
	57K (70 CRI)		3,800	4,000	2,620	2,400		4000 L	4000 L	3000 L	2000 L
Q8/X8	30K (70 CRI)	24	3,480	3,660	2,390	2,190	20	3000 L	4000 L	2000 L	2000 L
	40K (70 CRI)		3,630	3,820	2,500	2,290		4000 L	4000 L	3000 L	2000 L
	50K (90 CRI)		2,460	2,590	1,690	1,550		2000 L	3000 L	2000 L	2000 L
	57K (70 CRI)		3,630	3,820	2,500	2,290		4000 L	4000 L	3000 L	2000 L
Q7/X7	30K (70 CRI)	23	3,340	3,510	2,300	2,100	20	3000 L	4000 L	2000 L	2000 L
	40K (70 CRI)		3,480	3,660	2,390	2,190		3000 L	4000 L	2000 L	2000 L
	50K (90 CRI)		2,370	2,490	1,630	1,490		2000 L	2000 L	2000 L	1000 L
	57K (70 CRI)		3,480	3,660	2,390	2,190		3000 L	4000 L	2000 L	2000 L
Q6/X6	30K (70 CRI)	22	3,220	3,390	2,220	2,030	20	3000 L	3000 L	2000 L	2000 L
	40K (70 CRI)		3,360	3,540	2,310	2,120		3000 L	4000 L	2000 L	2000 L
	50K (90 CRI)		2,280	2,400	1,570	1,440		2000 L	2000 L	2000 L	1000 L
	57K (70 CRI)		3,360	3,540	2,310	2,120		3000 L	4000 L	2000 L	2000 L
Q5/X5	30K (70 CRI)	20	2,950	3,100	2,030	1,860	20	3000 L	3000 L	2000 L	2000 L
	40K (70 CRI)		3,070	3,230	2,110	1,930		3000 L	3000 L	2000 L	2000 L
	50K (90 CRI)		2,090	2,200	1,440	1,320		2000 L	2000 L	1000 L	1000 L
	57K (70 CRI)		3,070	3,230	2,110	1,930		3000 L	3000 L	2000 L	2000 L
Q4/X4	30K (70 CRI)	18	2,680	2,820	1,840	1,690	20	3000 L	3000 L	2000 L	2000 L
	40K (70 CRI)		2,790	2,940	1,920	1,760		3000 L	3000 L	2000 L	2000 L
	50K (90 CRI)		1,900	2,000	1,310	1,200		2000 L	2000 L	1000 L	1000 L
	57K (70 CRI)		2,790	2,940	1,920	1,760		3000 L	3000 L	2000 L	2000 L
Q3/X3	30K (70 CRI)	16	2,470	2,600	1,700	1,560	20	2000 L	3000 L	2000 L	2000 L
	40K (70 CRI)		2,580	2,710	1,770	1,620		3000 L	3000 L	2000 L	2000 L
	50K (90 CRI)		1,750	1,840	1,200	1,100		2000 L	2000 L	1000 L	1000 L
	57K (70 CRI)		2,580	2,710	1,770	1,620		3000 L	3000 L	2000 L	2000 L
Q2/X2	30K (70 CRI)	15	2,220	2,340	1,530	1,400	20	2000 L	2000 L	2000 L	1000 L
	40K (70 CRI)		2,320	2,440	1,600	1,460		2000 L	2000 L	2000 L	1000 L
	50K (90 CRI)		1,580	1,660	1,090	990		2000 L	2000 L	1000 L	1000 L
	57K (70 CRI)		2,320	2,440	1,600	1,460		2000 L	2000 L	2000 L	1000 L
Q1/X1	30K (70 CRI)	13	1,970	2,070	1,350	1,240	10	2000 L	2000 L	1000 L	1000 L
	40K (70 CRI)		2,050	2,160	1,410	1,290		2000 L	2000 L	1000 L	1000 L
	50K (90 CRI)		1,400	1,470	960	880		1000 L	1000 L	1000 L	1000 L
	57K (70 CRI)		2,050	2,160	1,410	1,290		2000 L	2000 L	1000 L	1000 L

Field Adjustable Output (Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:

The Field Adjustable Output option enables the OSQ area luminaires to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected Q setting and will be fully adjustable between the nine settings. When ordered with the N option, the luminaire will include an ANSI C136.15-2020 utility label that indicates the wattage (rounded to nearest 10W), the lumen output (rounded to nearest 1000 lumens), and the CCT of the luminaire at the selected lumen output. Additional dimming functionality is available when a dimming control (by others) is used in the 7-Pin receptacle.

Locked Lumen Output (X8/X7/X6/X5/X4/X3/X2/X1) Option Description:

The Locked Lumen Output option on this page permanently locks the lumen output on the OSQ area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected and will only be able to be adjusted down in the field through a dimming control (by others). When ordered with the N option, the luminaire will include a utility label that indicates the wattage, lumen output, and CCT of the setting selected.

Q & X Option Power & Lumen Data – 6L Lumen Package

Q/X Option Setting	CCT/CRI	System Watts 120-480V	Lumen Values				Utility Label Wattage	Utility Label Lumens			
			Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS		Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS
Q9 (Full Power)	30K (70 CRI)	37	5,475	5,750	3,760	3,440	40	5000 L	6000 L	4000 L	3000 L
	40K (70 CRI)		5,700	6,000	3,920	3,590		6000 L	6000 L	4000 L	4000 L
	50K (90 CRI)		3,880	4,080	2,670	2,440		4000 L	4000 L	3000 L	2000 L
	57K (70 CRI)		5,700	6,000	3,920	3,590		6000 L	6000 L	4000 L	4000 L
Q8/X8	30K (70 CRI)	34	5,200	5,475	3,580	3,280	30	5000 L	5000 L	4000 L	3000 L
	40K (70 CRI)		5,450	5,725	3,740	3,430		5000 L	6000 L	4000 L	3000 L
	50K (90 CRI)		3,700	3,890	2,540	2,330		4000 L	4000 L	3000 L	2000 L
	57K (70 CRI)		5,450	5,725	3,740	3,430		5000 L	6000 L	4000 L	3000 L
Q7/X7	30K (70 CRI)	32	4,990	5,250	3,430	3,140	30	5000 L	5000 L	3000 L	3000 L
	40K (70 CRI)		5,200	5,475	3,580	3,280		5000 L	5000 L	4000 L	3000 L
	50K (90 CRI)		3,550	3,730	2,440	2,230		4000 L	4000 L	2000 L	2000 L
	57K (70 CRI)		5,200	5,475	3,580	3,280		5000 L	5000 L	4000 L	3000 L
Q6/X6	30K (70 CRI)	30	4,820	5,075	3,320	3,040	30	5000 L	5000 L	3000 L	3000 L
	40K (70 CRI)		5,050	5,300	3,470	3,170		5000 L	5000 L	3000 L	3000 L
	50K (90 CRI)		3,430	3,610	2,360	2,160		3000 L	4000 L	2000 L	2000 L
	57K (70 CRI)		5,050	5,300	3,470	3,170		5000 L	5000 L	3000 L	3000 L
Q5/X5	30K (70 CRI)	28	4,420	4,650	3,040	2,780	30	4000 L	5000 L	3000 L	3000 L
	40K (70 CRI)		4,610	4,850	3,170	2,900		5000 L	5000 L	3000 L	3000 L
	50K (90 CRI)		3,140	3,300	2,160	1,980		3000 L	3000 L	2000 L	2000 L
	57K (70 CRI)		4,610	4,850	3,170	2,900		5000 L	5000 L	3000 L	3000 L
Q4/X4	30K (70 CRI)	25	4,010	4,220	2,760	2,530	30	4000 L	4000 L	3000 L	3000 L
	40K (70 CRI)		4,180	4,400	2,880	2,640		4000 L	4000 L	3000 L	3000 L
	50K (90 CRI)		2,840	2,990	1,960	1,790		3000 L	3000 L	2000 L	2000 L
	57K (70 CRI)		4,180	4,400	2,880	2,640		4000 L	4000 L	3000 L	3000 L
Q3/X3	30K (70 CRI)	23	3,710	3,900	2,550	2,340	20	4000 L	4000 L	3000 L	2000 L
	40K (70 CRI)		3,870	4,070	2,660	2,440		4000 L	4000 L	3000 L	2000 L
	50K (90 CRI)		2,630	2,770	1,810	1,660		3000 L	3000 L	2000 L	2000 L
	57K (70 CRI)		3,870	4,070	2,660	2,440		4000 L	4000 L	3000 L	2000 L
Q2/X2	30K (70 CRI)	20	3,340	3,510	2,300	2,100	20	3000 L	4000 L	2000 L	2000 L
	40K (70 CRI)		3,480	3,660	2,390	2,190		3000 L	4000 L	2000 L	2000 L
	50K (90 CRI)		2,370	2,490	1,630	1,490		2000 L	2000 L	2000 L	1000 L
	57K (70 CRI)		3,480	3,660	2,390	2,190		3000 L	4000 L	2000 L	2000 L
Q1/X1	30K (70 CRI)	18	2,950	3,100	2,030	1,860	20	3000 L	3000 L	2000 L	2000 L
	40K (70 CRI)		3,070	3,230	2,110	1,930		3000 L	3000 L	2000 L	2000 L
	50K (90 CRI)		2,090	2,200	1,440	1,320		2000 L	2000 L	1000 L	1000 L
	57K (70 CRI)		3,070	3,230	2,110	1,930		3000 L	3000 L	2000 L	2000 L

Field Adjustable Output (Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:

The Field Adjustable Output option enables the OSQ area luminaires to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected Q setting and will be fully adjustable between the nine settings. When ordered with the N option, the luminaire will include an ANSI C136.15-2020 utility label that indicates the wattage (rounded to nearest 10W), the lumen output (rounded to nearest 1000 lumens), and the CCT of the luminaire at the selected lumen output. Additional dimming functionality is available when a dimming control (by others) is used in the 7-Pin receptacle.

Locked Lumen Output (X8/X7/X6/X5/X4/X3/X2/X1) Option Description:

The Locked Lumen Output option on this page permanently locks the lumen output on the OSQ area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected and will only be able to be adjusted down in the field through a dimming control (by others). When ordered with the N option, the luminaire will include a utility label that indicates the wattage, lumen output, and CCT of the setting selected.

Q & X Option Power & Lumen Data – 9L Lumen Package

Q/X Option Setting	CCT/CRI	System Watts 120-480V	Lumen Values				Utility Label Wattage	Utility Label Lumens			
			Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS		Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS
Q9 (Full Power)	30K (70 CRI)	55	8,225	8,650	5,650	5,175	60	8000 L	9000 L	6000 L	5000 L
	40K (70 CRI)		8,550	9,000	5,875	5,400		9000 L	9000 L	6000 L	5000 L
	50K (90 CRI)		5,825	6,125	4,000	3,670		6000 L	6000 L	4000 L	4000 L
	57K (70 CRI)		8,550	9,000	5,875	5,400		9000 L	9000 L	6000 L	5000 L
Q8/X8	30K (70 CRI)	53	7,850	8,250	5,400	4,940	50	8000 L	8000 L	5000 L	5000 L
	40K (70 CRI)		8,150	8,575	5,600	5,125		8000 L	9000 L	6000 L	5000 L
	50K (90 CRI)		5,550	5,850	3,830	3,500		6000 L	6000 L	4000 L	4000 L
	57K (70 CRI)		8,150	8,575	5,600	5,125		8000 L	9000 L	6000 L	5000 L
Q7/X7	30K (70 CRI)	50	7,500	7,900	5,175	4,730	50	8000 L	8000 L	5000 L	5000 L
	40K (70 CRI)		7,825	8,225	5,375	4,930		8000 L	8000 L	5000 L	5000 L
	50K (90 CRI)		5,325	5,600	3,660	3,350		5000 L	6000 L	4000 L	3000 L
	57K (70 CRI)		7,825	8,225	5,375	4,930		8000 L	8000 L	5000 L	5000 L
Q6/X6	30K (70 CRI)	48	7,275	7,650	5,000	4,580	50	7000 L	8000 L	5000 L	5000 L
	40K (70 CRI)		7,550	7,950	5,200	4,760		8000 L	8000 L	5000 L	5000 L
	50K (90 CRI)		5,150	5,425	3,550	3,250		5000 L	5000 L	4000 L	3000 L
	57K (70 CRI)		7,550	7,950	5,200	4,760		8000 L	8000 L	5000 L	5000 L
Q5/X5	30K (70 CRI)	43	6,650	7,000	4,580	4,190	40	7000 L	7000 L	5000 L	4000 L
	40K (70 CRI)		6,925	7,275	4,760	4,360		7000 L	7000 L	5000 L	4000 L
	50K (90 CRI)		4,710	4,950	3,240	2,960		5000 L	5000 L	3000 L	3000 L
	57K (70 CRI)		6,925	7,275	4,760	4,360		7000 L	7000 L	5000 L	4000 L
Q4/X4	30K (70 CRI)	40	6,025	6,350	4,150	3,800	40	6000 L	6000 L	4000 L	4000 L
	40K (70 CRI)		6,275	6,600	4,320	3,950		6000 L	7000 L	4000 L	4000 L
	50K (90 CRI)		4,280	4,500	2,940	2,700		4000 L	5000 L	3000 L	3000 L
	57K (70 CRI)		6,275	6,600	4,320	3,950		6000 L	7000 L	4000 L	4000 L
Q3/X3	30K (70 CRI)	36	5,575	5,875	3,840	3,520	40	6000 L	6000 L	4000 L	4000 L
	40K (70 CRI)		5,800	6,100	3,990	3,650		6000 L	6000 L	4000 L	4000 L
	50K (90 CRI)		3,940	4,150	2,710	2,490		4000 L	4000 L	3000 L	2000 L
	57K (70 CRI)		5,800	6,100	3,990	3,650		6000 L	6000 L	4000 L	4000 L
Q2/X2*	30K (70 CRI)	32	5,025	5,275	3,450	3,160	30	5000 L	5000 L	3000 L	3000 L
	40K (70 CRI)		5,225	5,500	3,600	3,290		5000 L	6000 L	4000 L	3000 L
	50K (90 CRI)		3,560	3,740	2,450	2,240		4000 L	4000 L	2000 L	2000 L
	57K (70 CRI)		5,225	5,500	3,600	3,290		5000 L	6000 L	4000 L	3000 L
Q1/X1*	30K (70 CRI)	29	4,430	4,660	3,050	2,790	30	4000 L	5000 L	3000 L	3000 L
	40K (70 CRI)		4,610	4,850	3,170	2,900		5000 L	5000 L	3000 L	3000 L
	50K (90 CRI)		3,140	3,300	2,160	1,980		3000 L	3000 L	2000 L	2000 L
	57K (70 CRI)		4,610	4,850	3,170	2,900		5000 L	5000 L	3000 L	3000 L

* X2 and X1 options not available with 9L lumen package with UL voltage.

Field Adjustable Output (Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:

The Field Adjustable Output option enables the OSQ area luminaires to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected Q setting and will be fully adjustable between the nine settings. When ordered with the N option, the luminaire will include an ANSI C136.15-2020 utility label that indicates the wattage (rounded to nearest 10W), the lumen output (rounded to nearest 1000 lumens), and the CCT of the luminaire at the selected lumen output. Additional dimming functionality is available when a dimming control (by others) is used in the 7-Pin receptacle.

Locked Lumen Output (X8/X7/X6/X5/X4/X3/X2/X1) Option Description:

The Locked Lumen Output option on this page permanently locks the lumen output on the OSQ area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected and will only be able to be adjusted down in the field through a dimming control (by others). When ordered with the N option, the luminaire will include a utility label that indicates the wattage, lumen output, and CCT of the setting selected.

Q & X Option Power & Lumen Data – 11L Lumen Package

Q/X Option Setting	CCT/CRI	System Watts 120-480V	Lumen Values				Utility Label Wattage	Utility Label Lumens			
			Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS		Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS
Q9 (Full Power)	30K (70 CRI)	68	10,025	10,550	6,900	6,325	70	10000 L	11000 L	7000 L	6000 L
	40K (70 CRI)		10,450	11,000	7,200	6,600		10000 L	11000 L	7000 L	7000 L
	50K (90 CRI)		7,100	7,475	4,890	4,480		7000 L	7000 L	5000 L	4000 L
	57K (70 CRI)		10,450	11,000	7,200	6,600		10000 L	11000 L	7000 L	7000 L
Q8/X8	30K (70 CRI)	65	9,575	10,075	6,600	6,025	70	10000 L	10000 L	7000 L	6000 L
	40K (70 CRI)		9,975	10,500	6,875	6,300		10000 L	11000 L	7000 L	6000 L
	50K (90 CRI)		6,775	7,125	4,660	4,270		7000 L	7000 L	5000 L	4000 L
	57K (70 CRI)		9,975	10,500	6,875	6,300		10000 L	11000 L	7000 L	6000 L
Q7/X7	30K (70 CRI)	62	9,175	9,650	6,300	5,775	60	9000 L	10000 L	6000 L	6000 L
	40K (70 CRI)		9,550	10,050	6,575	6,025		10000 L	10000 L	7000 L	6000 L
	50K (90 CRI)		6,500	6,825	4,460	4,090		7000 L	7000 L	4000 L	4000 L
	57K (70 CRI)		9,550	10,050	6,575	6,025		10000 L	10000 L	7000 L	6000 L
Q6/X6	30K (70 CRI)	59	8,875	9,325	6,100	5,575	60	9000 L	9000 L	6000 L	6000 L
	40K (70 CRI)		9,250	9,725	6,350	5,825		9000 L	10000 L	6000 L	6000 L
	50K (90 CRI)		6,275	6,600	4,320	3,950		6000 L	7000 L	4000 L	4000 L
	57K (70 CRI)		9,250	9,725	6,350	5,825		9000 L	10000 L	6000 L	6000 L
Q5/X5	30K (70 CRI)	53	8,100	8,525	5,575	5,100	50	8000 L	9000 L	6000 L	5000 L
	40K (70 CRI)		8,450	8,900	5,825	5,325		8000 L	9000 L	6000 L	5000 L
	50K (90 CRI)		5,750	6,050	3,960	3,620		6000 L	6000 L	4000 L	4000 L
	57K (70 CRI)		8,450	8,900	5,825	5,325		8000 L	9000 L	6000 L	5000 L
Q4/X4	30K (70 CRI)	49	7,375	7,750	5,075	4,640	50	7000 L	8000 L	5000 L	5000 L
	40K (70 CRI)		7,675	8,075	5,275	4,840		8000 L	8000 L	5000 L	5000 L
	50K (90 CRI)		5,200	5,475	3,580	3,280		5000 L	5000 L	4000 L	3000 L
	57K (70 CRI)		7,675	8,075	5,275	4,840		8000 L	8000 L	5000 L	5000 L
Q3/X3	30K (70 CRI)	44	6,800	7,150	4,680	4,280	40	7000 L	7000 L	5000 L	4000 L
	40K (70 CRI)		7,075	7,450	4,870	4,460		7000 L	7000 L	5000 L	4000 L
	50K (90 CRI)		4,820	5,075	3,320	3,040		5000 L	5000 L	3000 L	3000 L
	57K (70 CRI)		7,075	7,450	4,870	4,460		7000 L	7000 L	5000 L	4000 L
Q2/X2	30K (70 CRI)	39	6,100	6,425	4,200	3,850	40	6000 L	6000 L	4000 L	4000 L
	40K (70 CRI)		6,375	6,700	4,380	4,010		6000 L	7000 L	4000 L	4000 L
	50K (90 CRI)		4,330	4,560	2,980	2,730		4000 L	5000 L	3000 L	3000 L
	57K (70 CRI)		6,375	6,700	4,380	4,010		6000 L	7000 L	4000 L	4000 L
Q1/X1	30K (70 CRI)	35	5,400	5,675	3,710	3,400	40	5000 L	6000 L	4000 L	3000 L
	40K (70 CRI)		5,625	5,925	3,870	3,550		6000 L	6000 L	4000 L	4000 L
	50K (90 CRI)		3,830	4,030	2,640	2,410		4000 L	4000 L	3000 L	2000 L
	57K (70 CRI)		5,625	5,925	3,870	3,550		6000 L	6000 L	4000 L	4000 L

Field Adjustable Output (Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:

The Field Adjustable Output option enables the OSQ area luminaires to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected Q setting and will be fully adjustable between the nine settings. When ordered with the N option, the luminaire will include an ANSI C136.15-2020 utility label that indicates the wattage (rounded to nearest 10W), the lumen output (rounded to nearest 1000 lumens), and the CCT of the luminaire at the selected lumen output. Additional dimming functionality is available when a dimming control (by others) is used in the 7-Pin receptacle.

Locked Lumen Output (X8/X7/X6/X5/X4/X3/X2/X1) Option Description:

The Locked Lumen Output option on this page permanently locks the lumen output on the OSQ area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected and will only be able to be adjusted down in the field through a dimming control (by others). When ordered with the N option, the luminaire will include a utility label that indicates the wattage, lumen output, and CCT of the setting selected.

Q & X Option Power & Lumen Data – 16L Lumen Package

Q/X Option Setting	CCT/CRI	System Watts 120-480V	Lumen Values				Utility Label Wattage	Utility Label Lumens			
			Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS		Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS
Q9 (Full Power)	30K (70 CRI)	97	14,650	15,400	10,075	9,225	100	15000 L	15000 L	10000 L	9000 L
	40K (70 CRI)		15,200	16,000	10,450	9,575		15000 L	16000 L	10000 L	10000 L
	50K (90 CRI)		10,325	10,875	7,100	6,525		10000 L	11000 L	7000 L	7000 L
	57K (70 CRI)		15,200	16,000	10,450	9,575		15000 L	16000 L	10000 L	10000 L
Q8/X8	30K (70 CRI)	93	13,975	14,700	9,600	8,800	90	14000 L	15000 L	10000 L	9000 L
	40K (70 CRI)		14,550	15,300	10,000	9,175		15000 L	15000 L	10000 L	9000 L
	50K (90 CRI)		9,850	10,375	6,775	6,225		10000 L	10000 L	7000 L	6000 L
	57K (70 CRI)		14,550	15,300	10,000	9,175		15000 L	15000 L	10000 L	9000 L
Q7/X7	30K (70 CRI)	87	13,375	14,075	9,200	8,425	90	13000 L	14000 L	9000 L	8000 L
	40K (70 CRI)		13,900	14,625	9,575	8,750		14000 L	15000 L	10000 L	9000 L
	50K (90 CRI)		9,450	9,950	6,500	5,950		9000 L	10000 L	7000 L	6000 L
	57K (70 CRI)		13,900	14,625	9,575	8,750		14000 L	15000 L	10000 L	9000 L
Q6/X6	30K (70 CRI)	84	12,950	13,625	8,900	8,150	80	13000 L	14000 L	9000 L	8000 L
	40K (70 CRI)		13,450	14,150	9,250	8,475		13000 L	14000 L	9000 L	8000 L
	50K (90 CRI)		9,150	9,625	6,300	5,775		9000 L	10000 L	6000 L	6000 L
	57K (70 CRI)		13,450	14,150	9,250	8,475		13000 L	14000 L	9000 L	8000 L
Q5/X5	30K (70 CRI)	76	11,825	12,450	8,150	7,450	80	12000 L	12000 L	8000 L	7000 L
	40K (70 CRI)		12,275	12,925	8,450	7,750		12000 L	13000 L	8000 L	8000 L
	50K (90 CRI)		8,350	8,775	5,750	5,250		8000 L	9000 L	6000 L	5000 L
	57K (70 CRI)		12,275	12,925	8,450	7,750		12000 L	13000 L	8000 L	8000 L
Q4/X4	30K (70 CRI)	70	10,750	11,300	7,400	6,775	70	11000 L	11000 L	7000 L	7000 L
	40K (70 CRI)		11,175	11,750	7,675	7,025		11000 L	12000 L	8000 L	7000 L
	50K (90 CRI)		7,575	7,975	5,225	4,780		8000 L	8000 L	5000 L	5000 L
	57K (70 CRI)		11,175	11,750	7,675	7,025		11000 L	12000 L	8000 L	7000 L
Q3/X3	30K (70 CRI)	62	9,925	10,450	6,825	6,250	60	10000 L	10000 L	7000 L	6000 L
	40K (70 CRI)		10,325	10,850	7,100	6,500		10000 L	11000 L	7000 L	7000 L
	50K (90 CRI)		7,000	7,375	4,820	4,420		7000 L	7000 L	5000 L	4000 L
	57K (70 CRI)		10,325	10,850	7,100	6,500		10000 L	11000 L	7000 L	7000 L
Q2/X2	30K (70 CRI)	55	8,925	9,400	6,150	5,625	60	9000 L	9000 L	6000 L	6000 L
	40K (70 CRI)		9,275	9,750	6,375	5,850		9000 L	10000 L	6000 L	6000 L
	50K (90 CRI)		6,300	6,625	4,330	3,970		6000 L	7000 L	4000 L	4000 L
	57K (70 CRI)		9,275	9,750	6,375	5,850		9000 L	10000 L	6000 L	6000 L
Q1*	30K (70 CRI)	50	7,900	8,300	5,425	4,970	50	8000 L	8000 L	5000 L	5000 L
	40K (70 CRI)		8,200	8,625	5,650	5,175		8000 L	9000 L	6000 L	5000 L
	50K (90 CRI)		5,550	5,850	3,830	3,500		6000 L	6000 L	4000 L	4000 L
	57K (70 CRI)		8,200	8,625	5,650	5,175		8000 L	9000 L	6000 L	5000 L

* X1 option not available with 16L lumen package.

Field Adjustable Output (Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:

The Field Adjustable Output option enables the OSQ area luminaires to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected Q setting and will be fully adjustable between the nine settings. When ordered with the N option, the luminaire will include an ANSI C136.15-2020 utility label that indicates the wattage (rounded to nearest 10W), the lumen output (rounded to nearest 1000 lumens), and the CCT of the luminaire at the selected lumen output. Additional dimming functionality is available when a dimming control (by others) is used in the 7-Pin receptacle.

Locked Lumen Output (X8/X7/X6/X5/X4/X3/X2/X1) Option Description:

The Locked Lumen Output option on this page permanently locks the lumen output on the OSQ area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected and will only be able to be adjusted down in the field through a dimming control (by others). When ordered with the N option, the luminaire will include a utility label that indicates the wattage, lumen output, and CCT of the setting selected.

Q & X Option Power & Lumen Data – 22L Lumen Package

Q/X Option Setting	CCT/CRI	System Watts 120-480V	Lumen Values				Utility Label Wattage	Utility Label Lumens			
			Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS		Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS
Q9 (Full Power)	30K (70 CRI)	131	20,100	21,100	13,800	12,625	130	20000 L	21000 L	14000 L	13000 L
	40K (70 CRI)		20,900	22,000	14,375	13,175		21000 L	22000 L	14000 L	13000 L
	50K (90 CRI)		14,200	14,950	9,775	8,950		14000 L	15000 L	10000 L	9000 L
	57K (70 CRI)		20,900	22,000	14,375	13,175		21000 L	22000 L	14000 L	13000 L
Q8/X8	30K (70 CRI)	126	19,100	20,100	13,150	12,050	130	19000 L	20000 L	13000 L	12000 L
	40K (70 CRI)		20,000	21,000	13,725	12,575		20000 L	21000 L	14000 L	13000 L
	50K (90 CRI)		13,550	14,250	9,325	8,525		14000 L	14000 L	9000 L	9000 L
	57K (70 CRI)		20,000	21,000	13,725	12,575		20000 L	21000 L	14000 L	13000 L
Q7/X7	30K (70 CRI)	119	18,300	19,300	12,625	11,550	120	18000 L	19000 L	13000 L	12000 L
	40K (70 CRI)		19,100	20,100	13,150	12,050		19000 L	20000 L	13000 L	12000 L
	50K (90 CRI)		13,000	13,675	8,950	8,200		13000 L	14000 L	9000 L	8000 L
	57K (70 CRI)		19,100	20,100	13,150	12,050		19000 L	20000 L	13000 L	12000 L
Q6/X6	30K (70 CRI)	114	17,800	18,700	12,225	11,200	110	18000 L	19000 L	12000 L	11000 L
	40K (70 CRI)		18,400	19,400	12,675	11,625		18000 L	19000 L	13000 L	12000 L
	50K (90 CRI)		12,575	13,225	8,650	7,925		13000 L	13000 L	9000 L	8000 L
	57K (70 CRI)		18,400	19,400	12,675	11,625		18000 L	19000 L	13000 L	12000 L
Q5/X5	30K (70 CRI)	103	16,200	17,000	11,125	10,175	100	16000 L	17000 L	11000 L	10000 L
	40K (70 CRI)		16,900	17,800	11,650	10,650		17000 L	18000 L	12000 L	11000 L
	50K (90 CRI)		11,475	12,075	7,900	7,225		11000 L	12000 L	8000 L	7000 L
	57K (70 CRI)		16,900	17,800	11,650	10,650		17000 L	18000 L	12000 L	11000 L
Q4/X4	30K (70 CRI)	95	14,725	15,500	10,125	9,275	100	15000 L	16000 L	10000 L	9000 L
	40K (70 CRI)		15,300	16,100	10,525	9,650		15000 L	16000 L	11000 L	10000 L
	50K (90 CRI)		10,425	10,975	7,175	6,575		10000 L	11000 L	7000 L	7000 L
	57K (70 CRI)		15,300	16,100	10,525	9,650		15000 L	16000 L	11000 L	10000 L
Q3/X3	30K (70 CRI)	84	13,600	14,300	9,350	8,575	80	14000 L	14000 L	9000 L	9000 L
	40K (70 CRI)		14,175	14,925	9,750	8,950		14000 L	15000 L	10000 L	9000 L
	50K (90 CRI)		9,625	10,125	6,625	6,075		10000 L	10000 L	7000 L	6000 L
	57K (70 CRI)		14,175	14,925	9,750	8,950		14000 L	15000 L	10000 L	9000 L
Q2/X2	30K (70 CRI)	75	12,250	12,875	8,425	7,700	80	12000 L	13000 L	8000 L	8000 L
	40K (70 CRI)		12,750	13,425	8,775	8,050		13000 L	13000 L	9000 L	8000 L
	50K (90 CRI)		8,675	9,125	5,975	5,475		9000 L	9000 L	6000 L	5000 L
	57K (70 CRI)		12,750	13,425	8,775	8,050		13000 L	13000 L	9000 L	8000 L
Q1/X1	30K (70 CRI)	68	10,825	11,375	7,450	6,825	70	11000 L	11000 L	7000 L	7000 L
	40K (70 CRI)		11,275	11,850	7,750	7,100		11000 L	12000 L	8000 L	7000 L
	50K (90 CRI)		7,650	8,050	5,275	4,820		8000 L	8000 L	5000 L	5000 L
	57K (70 CRI)		11,275	11,850	7,750	7,100		11000 L	12000 L	8000 L	7000 L

Field Adjustable Output (Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:

The Field Adjustable Output option enables the OSQ area luminaires to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected Q setting and will be fully adjustable between the nine settings. When ordered with the N option, the luminaire will include an ANSI C136.15-2020 utility label that indicates the wattage (rounded to nearest 10W), the lumen output (<= 24,000 lumens rounded to nearest 1000 lumens, > 24,001 lumens rounded to the nearest 2000 lumens), and the CCT of the luminaire at the selected lumen output. Additional dimming functionality is available when a dimming control (by others) is used in the 7-Pin receptacle.

Locked Lumen Output (X8/X7/X6/X5/X4/X3/X2/X1) Option Description:

The Locked Lumen Output option on this page permanently locks the lumen output on the OSQ area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected and will only be able to be adjusted down in the field through a dimming control (by others). When ordered with the N option, the luminaire will include a utility label that indicates the wattage, lumen output, and CCT of the setting selected.

Q & X Option Power & Lumen Data – 30L Lumen Package

Q/X Option Setting	CCT/CRI	System Watts 120-480V	Lumen Values				Utility Label Wattage	Utility Label Lumens			
			Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS		Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS
Q9 (Full Power)	30K (70 CRI)	175	27,400	28,800	18,800	17,200	130	28000 L	28000 L	19000 L	17000 L
	40K (70 CRI)		28,500	30,000	19,600	18,000		28000 L	30000 L	20000 L	18000 L
	50K (90 CRI)		19,400	20,400	13,350	12,225		19000 L	20000 L	13000 L	12000 L
	57K (70 CRI)		28,500	30,000	19,600	18,000		28000 L	30000 L	20000 L	18000 L
Q8/X8	30K (70 CRI)	168	26,100	27,500	18,000	16,500	170	26000 L	28000 L	18000 L	17000 L
	40K (70 CRI)		27,200	28,600	18,700	17,100		28000 L	28000 L	19000 L	17000 L
	50K (90 CRI)		18,500	19,500	12,750	11,675		19000 L	20000 L	13000 L	12000 L
	57K (70 CRI)		27,200	28,600	18,700	17,100		28000 L	28000 L	19000 L	17000 L
Q7/X7	30K (70 CRI)	158	25,000	26,300	17,200	15,800	160	26000 L	26000 L	17000 L	16000 L
	40K (70 CRI)		26,000	27,400	17,900	16,400		26000 L	28000 L	18000 L	16000 L
	50K (90 CRI)		17,700	18,600	12,150	11,150		18000 L	19000 L	12000 L	11000 L
	57K (70 CRI)		26,000	27,400	17,900	16,400		26000 L	28000 L	18000 L	16000 L
Q6/X6	30K (70 CRI)	152	24,200	25,500	16,700	15,300	150	24000 L	26000 L	17000 L	15000 L
	40K (70 CRI)		25,200	26,500	17,300	15,900		26000 L	26000 L	17000 L	16000 L
	50K (90 CRI)		17,100	18,000	11,775	10,775		17000 L	18000 L	12000 L	11000 L
	57K (70 CRI)		25,200	26,500	17,300	15,900		26000 L	26000 L	17000 L	16000 L
Q5/X5	30K (70 CRI)	137	22,100	23,300	15,200	13,950	140	22000 L	23000 L	15000 L	14000 L
	40K (70 CRI)		23,000	24,200	15,800	14,500		23000 L	24000 L	16000 L	15000 L
	50K (90 CRI)		15,700	16,500	10,800	9,875		16000 L	17000 L	11000 L	10000 L
	57K (70 CRI)		23,000	24,200	15,800	14,500		23000 L	24000 L	16000 L	15000 L
Q4/X4	30K (70 CRI)	126	20,100	21,100	13,800	12,625	130	20000 L	21000 L	14000 L	13000 L
	40K (70 CRI)		20,900	22,000	14,375	13,175		21000 L	22000 L	14000 L	13000 L
	50K (90 CRI)		14,225	14,975	9,800	8,975		14000 L	15000 L	10000 L	9000 L
	57K (70 CRI)		20,900	22,000	14,375	13,175		21000 L	22000 L	14000 L	13000 L
Q3/X3	30K (70 CRI)	113	18,500	19,500	12,750	11,675	110	19000 L	20000 L	13000 L	12000 L
	40K (70 CRI)		19,300	20,300	13,275	12,150		19000 L	20000 L	13000 L	12000 L
	50K (90 CRI)		13,150	13,825	9,050	8,275		13000 L	14000 L	9000 L	8000 L
	57K (70 CRI)		19,300	20,300	13,275	12,150		19000 L	20000 L	13000 L	12000 L
Q2/X2	30K (70 CRI)	100	16,700	17,600	11,500	10,550	100	17000 L	18000 L	12000 L	11000 L
	40K (70 CRI)		17,400	18,300	11,975	10,950		17000 L	18000 L	12000 L	11000 L
	50K (90 CRI)		11,825	12,450	8,150	7,450		12000 L	12000 L	8000 L	7000 L
	57K (70 CRI)		17,400	18,300	11,975	10,950		17000 L	18000 L	12000 L	11000 L
Q1*	30K (70 CRI)	90	14,725	15,500	10,125	9,275	90	15000 L	16000 L	10000 L	9000 L
	40K (70 CRI)		15,400	16,200	10,600	9,700		15000 L	16000 L	11000 L	10000 L
	50K (90 CRI)		10,450	11,000	7,200	6,600		10000 L	11000 L	7000 L	7000 L
	57K (70 CRI)		15,400	16,200	10,600	9,700		15000 L	16000 L	11000 L	10000 L

* X1 option not available with 30L lumen package.

Field Adjustable Output (Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:

The Field Adjustable Output option enables the OSQ area luminaires to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected Q setting and will be fully adjustable between the nine settings. When ordered with the N option, the luminaire will include an ANSI C136.15-2020 utility label that indicates the wattage (rounded to nearest 10W), the lumen output (<= 24,000 lumens rounded to nearest 1000 lumens, > 24,001 lumens rounded to the nearest 2000 lumens), and the CCT of the luminaire at the selected lumen output. Additional dimming functionality is available when a dimming control (by others) is used in the 7-Pin receptacle.

Locked Lumen Output (X8/X7/X6/X5/X4/X3/X2/X1) Option Description:

The Locked Lumen Output option on this page permanently locks the lumen output on the OSQ area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected and will only be able to be adjusted down in the field through a dimming control (by others). When ordered with the N option, the luminaire will include a utility label that indicates the wattage, lumen output, and CCT of the setting selected.

Q & X Option Power & Lumen Data – 40L Lumen Package

Q/X Option Setting	CCT/CRI	System Watts 120-480V	Lumen Values				Utility Label Wattage	Utility Label Lumens			
			Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS		Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS
Q9 (Full Power)	30K (70 CRI)	236	36,500	38,400	25,100	23,000	130	36000 L	38000 L	26000 L	23000 L
	40K (70 CRI)		38,000	40,000	26,200	24,000		38000 L	40000 L	26000 L	24000 L
	50K (90 CRI)		25,900	27,200	17,800	16,300		26000 L	28000 L	18000 L	16000 L
	57K (70 CRI)		38,000	40,000	26,200	24,000		38000 L	40000 L	26000 L	24000 L
Q8/X8	30K (70 CRI)	212	34,800	36,600	23,900	21,900	210	34000 L	36000 L	24000 L	22000 L
	40K (70 CRI)		36,300	38,200	25,000	22,900		36000 L	38000 L	26000 L	23000 L
	50K (90 CRI)		24,600	25,900	16,900	15,500		24000 L	26000 L	17000 L	16000 L
	57K (70 CRI)		36,300	38,200	25,000	22,900		36000 L	38000 L	26000 L	23000 L
Q7/X7	30K (70 CRI)	203	33,400	35,100	23,000	21,000	200	34000 L	36000 L	23000 L	21000 L
	40K (70 CRI)		34,800	36,600	23,900	21,900		34000 L	36000 L	24000 L	22000 L
	50K (90 CRI)		23,700	24,900	16,300	14,925		24000 L	24000 L	16000 L	15000 L
	57K (70 CRI)		34,800	36,600	23,900	21,900		34000 L	36000 L	24000 L	22000 L
Q6/X6	30K (70 CRI)	195	32,200	33,900	22,200	20,300	200	32000 L	34000 L	22000 L	20000 L
	40K (70 CRI)		33,600	35,400	23,100	21,200		34000 L	36000 L	23000 L	21000 L
	50K (90 CRI)		22,800	24,000	15,700	14,375		23000 L	24000 L	16000 L	14000 L
	57K (70 CRI)		33,600	35,400	23,100	21,200		34000 L	36000 L	23000 L	21000 L
Q5/X5	30K (70 CRI)	176	29,500	31,000	20,300	18,600	180	30000 L	32000 L	20000 L	19000 L
	40K (70 CRI)		30,700	32,300	21,100	19,300		30000 L	32000 L	21000 L	19000 L
	50K (90 CRI)		20,900	22,000	14,375	13,175		21000 L	22000 L	14000 L	13000 L
	57K (70 CRI)		30,700	32,300	21,100	19,300		30000 L	32000 L	21000 L	19000 L
Q4/X4	30K (70 CRI)	160	26,800	28,200	18,400	16,900	160	26000 L	28000 L	18000 L	17000 L
	40K (70 CRI)		27,900	29,400	19,200	17,600		28000 L	30000 L	19000 L	18000 L
	50K (90 CRI)		19,000	20,000	13,075	11,975		19000 L	20000 L	13000 L	12000 L
	57K (70 CRI)		27,900	29,400	19,200	17,600		28000 L	30000 L	19000 L	18000 L
Q3/X3	30K (70 CRI)	144	24,700	26,000	17,000	15,600	140	24000 L	26000 L	17000 L	16000 L
	40K (70 CRI)		25,800	27,100	17,700	16,200		26000 L	28000 L	18000 L	16000 L
	50K (90 CRI)		17,500	18,400	12,025	11,025		18000 L	18000 L	12000 L	11000 L
	57K (70 CRI)		25,800	27,100	17,700	16,200		26000 L	28000 L	18000 L	16000 L
Q2/X2	30K (70 CRI)	129	22,200	23,400	15,300	14,025	130	22000 L	23000 L	15000 L	14000 L
	40K (70 CRI)		23,200	24,400	16,000	14,625		23000 L	24000 L	16000 L	15000 L
	50K (90 CRI)		15,800	16,600	10,850	9,950		16000 L	17000 L	11000 L	10000 L
	57K (70 CRI)		23,200	24,400	16,000	14,625		23000 L	24000 L	16000 L	15000 L
Q1/X1	30K (70 CRI)	111	19,700	20,700	13,525	12,400	110	20000 L	21000 L	14000 L	12000 L
	40K (70 CRI)		20,500	21,600	14,125	12,925		21000 L	22000 L	14000 L	13000 L
	50K (90 CRI)		13,925	14,650	9,575	8,775		14000 L	15000 L	10000 L	9000 L
	57K (70 CRI)		20,500	21,600	14,125	12,925		21000 L	22000 L	14000 L	13000 L

Field Adjustable Output (Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:

The Field Adjustable Output option enables the OSQ area luminaires to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected Q setting and will be fully adjustable between the nine settings.

Locked Lumen Output (X8/X7/X6/X5/X4/X3/X2/X1) Option Description:

The Locked Lumen Output option on this page permanently locks the lumen output on the OSQ area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected and will only be able to be adjusted down in the field through a dimming control [by others].

Q & X Option Power & Lumen Data – 50L Lumen Package

Q/X Option Setting	CCT/CRI	System Watts 120-480V	Lumen Values			
			Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS
Q9 (Full Power)	30K (70 CRI)	297	45,600	48,000	31,400	28,700
	40K (70 CRI)		47,500	50,000	32,700	29,900
	50K (90 CRI)		32,300	34,000	22,200	20,400
	57K (70 CRI)		47,500	50,000	32,700	29,900
Q8/X8	30K (70 CRI)	285	43,500	45,800	29,900	27,400
	40K (70 CRI)		45,300	47,700	31,200	28,600
	50K (90 CRI)		30,800	32,400	21,200	19,400
	57K (70 CRI)		45,300	47,700	31,200	28,600
Q7/X7	30K (70 CRI)	269	41,700	43,900	28,700	26,300
	40K (70 CRI)		43,400	45,700	29,900	27,400
	50K (90 CRI)		29,600	31,100	20,300	18,600
	57K (70 CRI)		43,400	45,700	29,900	27,400
Q6/X6	30K (70 CRI)	258	40,300	42,400	27,700	25,400
	40K (70 CRI)		42,000	44,200	28,900	26,500
	50K (90 CRI)		28,600	30,100	19,700	18,000
	57K (70 CRI)		42,000	44,200	28,900	26,500
Q5/X5	30K (70 CRI)	233	36,900	38,800	25,400	23,200
	40K (70 CRI)		38,400	40,400	26,400	24,200
	50K (90 CRI)		26,100	27,500	18,000	16,500
	57K (70 CRI)		38,400	40,400	26,400	24,200
Q4/X4	30K (70 CRI)	215	33,500	35,200	23,000	21,100
	40K (70 CRI)		34,900	36,700	24,000	22,000
	50K (90 CRI)		23,800	25,000	16,300	14,975
	57K (70 CRI)		34,900	36,700	24,000	22,000
Q3/X3	30K (70 CRI)	191	30,900	32,500	21,300	19,500
	40K (70 CRI)		32,200	33,900	22,200	20,300
	50K (90 CRI)		22,000	23,100	15,100	13,825
	57K (70 CRI)		32,200	33,900	22,200	20,300
Q2/X2	30K (70 CRI)	170	27,900	29,300	19,200	17,500
	40K (70 CRI)		29,000	30,500	19,900	18,300
	50K (90 CRI)		19,700	20,700	13,525	12,400
	57K (70 CRI)		29,000	30,500	19,900	18,300
Q1/X1	30K (70 CRI)	153	24,600	25,900	16,900	15,500
	40K (70 CRI)		25,700	27,000	17,700	16,200
	50K (90 CRI)		17,400	18,300	11,975	10,950
	57K (70 CRI)		25,700	27,000	17,700	16,200

Field Adjustable Output (Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:

The Field Adjustable Output option enables the OSQ area luminaires to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected Q setting and will be fully adjustable between the nine settings.

Locked Lumen Output (X8/X7/X6/X5/X4/X3/X2/X1) Option Description:

The Locked Lumen Output option on this page permanently locks the lumen output on the OSQ area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected and will only be able to be adjusted down in the field through a dimming control [by others].

Q & X Option Power & Lumen Data – 65L Lumen Package

Q/X Option Setting	CCT/CRI	System Watts 120-480V	Lumen Values			
			Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS
Q9 (Full Power)	30K (70 CRI)	384	59,300	62,400	40,800	37,400
	40K (70 CRI)		61,800	65,000	42,500	38,900
	50K (90 CRI)		42,000	44,200	28,900	26,500
	57K (70 CRI)		61,800	65,000	42,500	38,900
Q8/X8	30K (70 CRI)	365	56,600	59,500	38,900	35,600
	40K (70 CRI)		58,900	62,000	40,500	37,100
	50K (90 CRI)		40,100	42,200	27,600	25,300
	57K (70 CRI)		58,900	62,000	40,500	37,100
Q7/X7	30K (70 CRI)	347	54,200	57,000	37,300	34,100
	40K (70 CRI)		56,500	59,400	38,800	35,600
	50K (90 CRI)		38,400	40,400	26,400	24,200
	57K (70 CRI)		56,500	59,400	38,800	35,600
Q6/X6	30K (70 CRI)	332	52,500	55,200	36,100	33,100
	40K (70 CRI)		54,700	57,500	37,600	34,400
	50K (90 CRI)		37,200	39,100	25,600	23,400
	57K (70 CRI)		54,700	57,500	37,600	34,400
Q5/X5	30K (70 CRI)	301	47,900	50,400	33,000	30,200
	40K (70 CRI)		49,900	52,500	34,300	31,400
	50K (90 CRI)		33,900	35,700	23,300	21,400
	57K (70 CRI)		49,900	52,500	34,300	31,400
Q4/X4	30K (70 CRI)	276	43,500	45,800	29,900	27,400
	40K (70 CRI)		45,300	47,700	31,200	28,600
	50K (90 CRI)		30,800	32,400	21,200	19,400
	57K (70 CRI)		45,300	47,700	31,200	28,600
Q3/X3	30K (70 CRI)	247	40,200	42,300	27,700	25,300
	40K (70 CRI)		41,900	44,100	28,800	26,400
	50K (90 CRI)		28,500	30,000	19,600	18,000
	57K (70 CRI)		41,900	44,100	28,800	26,400
Q2/X2	30K (70 CRI)	220	36,200	38,100	24,900	22,800
	40K (70 CRI)		37,700	39,700	26,000	23,800
	50K (90 CRI)		25,700	27,000	17,700	16,200
	57K (70 CRI)		37,700	39,700	26,000	23,800
Q1*	30K (70 CRI)	195	31,900	33,600	22,000	20,100
	40K (70 CRI)		33,300	35,000	22,900	21,000
	50K (90 CRI)		22,600	23,800	15,600	14,250
	57K (70 CRI)		33,300	35,000	22,900	21,000

* X1 option not available with 65L lumen package.

Field Adjustable Output (Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:

The Field Adjustable Output option enables the OSQ area luminaires to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected Q setting and will be fully adjustable between the nine settings.

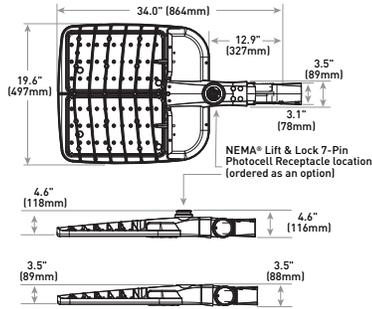
Locked Lumen Output (X8/X7/X6/X5/X4/X3/X2/X1) Option Description:

The Locked Lumen Output option on this page permanently locks the lumen output on the OSQ area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected and will only be able to be adjusted down in the field through a dimming control [by others].

Q & X Option Power & Lumen Data – 75L Lumen Package

Q/X Option Setting	CCT/CRI	System Watts 120-480V	Lumen Values			
			Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS
Q9 (Full Power)	30K (70 CRI)	447	68,400	72,000	47,100	43,100
	40K (70 CRI)		71,300	75,000	49,000	44,900
	50K (90 CRI)		48,500	51,000	33,300	30,500
	57K (70 CRI)		71,300	75,000	49,000	44,900
Q8/X8	30K (70 CRI)	426	65,300	68,700	44,900	41,100
	40K (70 CRI)		68,100	71,600	46,800	42,900
	50K (90 CRI)		46,300	48,700	31,800	29,200
	57K (70 CRI)		68,100	71,600	46,800	42,900
Q7/X7	30K (70 CRI)	404	62,500	65,800	43,000	39,400
	40K (70 CRI)		65,200	68,600	44,900	41,100
	50K (90 CRI)		44,300	46,600	30,500	27,900
	57K (70 CRI)		65,200	68,600	44,900	41,100
Q6/X6	30K (70 CRI)	387	60,500	63,600	41,600	38,100
	40K (70 CRI)		63,000	66,300	43,400	39,700
	50K (90 CRI)		42,900	45,100	29,500	27,000
	57K (70 CRI)		63,000	66,300	43,400	39,700
Q5/X5	30K (70 CRI)	350	55,300	58,200	38,100	34,900
	40K (70 CRI)		57,600	60,600	39,600	36,300
	50K (90 CRI)		39,200	41,200	26,900	24,700
	57K (70 CRI)		57,600	60,600	39,600	36,300
Q4/X4	30K (70 CRI)	321	50,200	52,800	34,500	31,600
	40K (70 CRI)		52,400	55,100	36,000	33,000
	50K (90 CRI)		35,600	37,400	24,500	22,400
	57K (70 CRI)		52,400	55,100	36,000	33,000
Q3/X3	30K (70 CRI)	287	46,400	48,800	31,900	29,200
	40K (70 CRI)		48,400	50,900	33,300	30,500
	50K (90 CRI)		32,900	34,600	22,600	20,700
	57K (70 CRI)		48,400	50,900	33,300	30,500
Q2/X2	30K (70 CRI)	256	41,700	43,900	28,700	26,300
	40K (70 CRI)		43,500	45,800	29,900	27,400
	50K (90 CRI)		29,600	31,100	20,300	18,600
	57K (70 CRI)		43,500	45,800	29,900	27,400
Q1/X1	30K (70 CRI)	227	36,900	38,800	25,400	23,200
	40K (70 CRI)		38,400	40,400	26,400	24,200
	50K (90 CRI)		26,100	27,500	18,000	16,500
	57K (70 CRI)		38,400	40,400	26,400	24,200

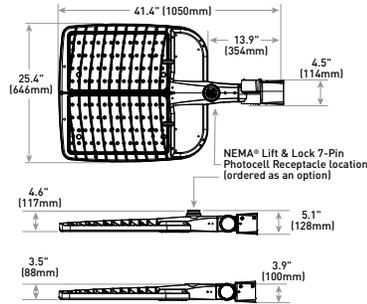
OSQL - AA Mount



Luminaire	Weight
OSQL	28.4 lbs. [12.9kg]

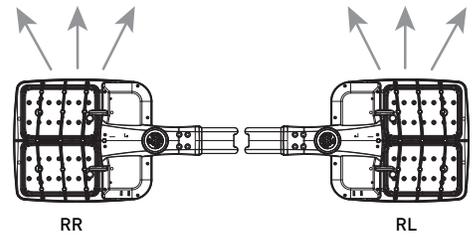
Note: For OSQM w/AA mount, refer to drawing on page 1.

OSQX - AA Mount

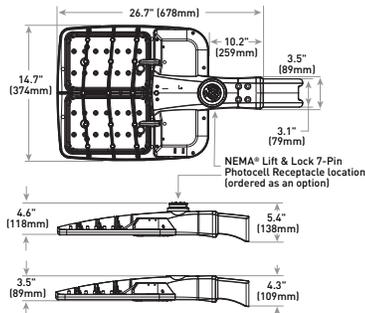


Luminaire	Weight
OSQX	48.6 lbs. [22.0kg]

RR/RL Configuration



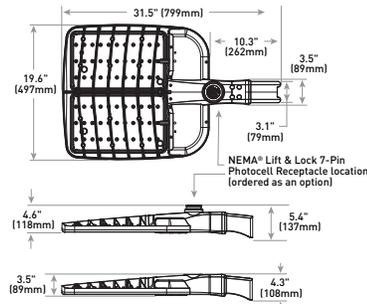
OSQM - DA Mount



Luminaire	Weight
OSQM	19.7 lbs. [8.9kg]

Note: Refer to page 14 for fixture mounting drill pattern.

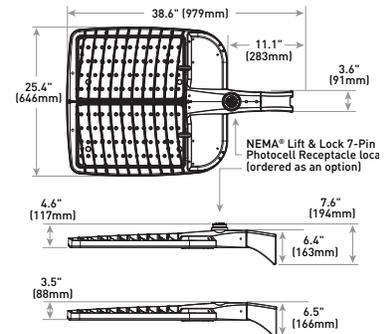
OSQL - DA Mount



Luminaire	Weight
OSQL	28.8 lbs. [13.1kg]

Note: Refer to page 14 for fixture mounting drill pattern.

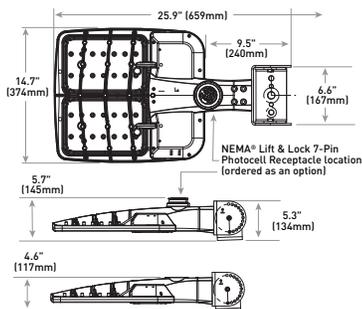
OSQX-DA Mount



Luminaire	Weight
OSQX	45.8 lbs. [20.8kg]

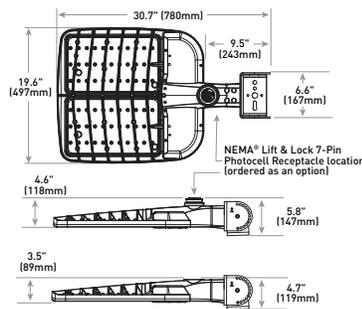
Note: Refer to page 14 for fixture mounting drill pattern.

OSQM - Trunnion Mount



Luminaire	Weight
OSQM	23.2 lbs. [10.5kg]

OSQL - Trunnion Mount



Luminaire	Weight
OSQL	32.3 lbs. [14.7kg]

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OSQ Series

OSQ™ LED Area/Flood Luminaire featuring Patented NanoComfort™ Technology – Version C

Rev. Date: V3 04/17/2023

GC TO SEE NOTES BELOW

Product Description

The OSQ™ Area/Flood luminaire blends extreme optical control, advanced thermal management and modern, clean aesthetics. Built to last, the housing is rugged cast aluminum with an integral, weathertight LED driver compartment. Versatile mounting configurations offer simple installation. Its slim, low-profile design minimizes wind load requirements and blends seamlessly into the site providing even, quality illumination. Medium is suitable upgrade for HID applications up to 400 Watts. Large is suitable upgrade for HID applications up to 1000 Watts. Extra Large is suitable upgrade for HID applications up to multiple 1000 Watts.

Applications: Parking lots, walkways, campuses, car dealerships, office complexes, high-mast and internal roadways

Performance Summary

Utilizes Patented NanoComfort™ Technology

Utilizes Cree TrueWhite® Technology on 5000K Luminaires

Assembled in the USA by Cree Lighting from US and imported parts

Initial Delivered Lumens: 4,000 - 75,000

Efficacy: Up to 171 LPW

CRI: Minimum 70 CRI (3000K, 4000K & 5700K); 90 CRI (5000K)

CCT: 3000K, 4000K, 5000K, 5700K

Limited Warranty*: 10 years for luminaire; 10 years for Colorfast DeltaGuard® finish; 5 years for BML sensor; up to 5 years for Synapse® accessories; 1 year for luminaire accessories

* See <http://creelighting.com/warranty> for warranty terms. For Synapse accessories, consult Synapse spec sheets for details on warranty terms.

Ordering Information

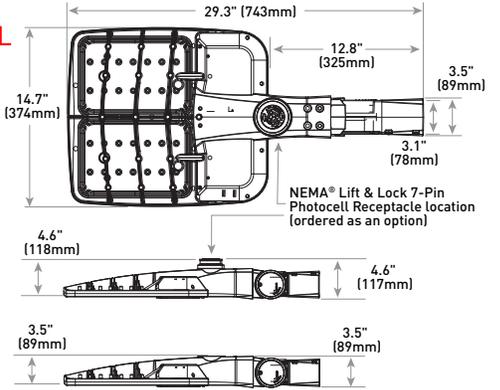
Fully assembled luminaire is composed of two components that must be ordered separately:

Example: **Mount:** OSQ-ML-C-AA-BK + **Luminaire:** OSQM-C-4L-30K7-2M-UL-NM-BK

Mount (Luminaire must be ordered separately)*			
OSQ-			
Medium/Large Mounts	Extra Large Mounts	Color Options:	SV Silver BZ Bronze BK Black WH White
OSQ-ML-C-AA Adjustable Arm	OSQ-X-C-AA Adjustable Arm		
OSQ-ML-C-DA Direct Arm	OSQ-X-C-DA Direct Arm		
OSQ-ML-C-TM Trunnion Mount			

* Reference fixture mounting drill pattern, EPA, and pole configuration suitability data beginning on page 14.

OSQM - AA Mount



Luminaire	Weight
OSQM	19.3 lbs. (8.8kg)

Note: For OSQL, OSQX and additional mounts, refer to drawings beginning on page 26.

GC TO REFERENCE PLANS FOR COLOR DESIGNATION

Luminaire (Mount must be ordered separately)

OSQ	C	Series	Lumen Package ¹	CCT/ CRI	Optic	Voltage	Mount	Color Options	Controls*	Options				
OSQ	M Medium L Large X Extra Large	C	Medium 4L 4,000 Lumens 6L 6,000 Lumens 9L 9,000 Lumens 11L 11,000 Lumens 16L 16,000 Lumens	30K7 3000K, 70 CRI 40K7 4000K, 70 CRI 50K9 5000K, 90 CRI 57K7 5700K, 70 CRI	Asymmetric 2M Type II Mid 2B Type II Mid w/ Factory-Installed Backlight Shield 3M Type III Mid 3B Type III Mid w/ Factory-Installed Backlight Shield 4M Type IV Mid	4B Type IV Mid w/ Factory- Installed Backlight Shield AF Automotive FrontlineOptic™ AB Automotive- FrontlineOptic™ w/Factory- Installed Backlight Shield	UL Universal 120-277V UH Universal 347-480V - Not available with 4L, 40L or 75L lumen packages UE Universal 277-480V - Available only with 40L and 75L lumen packages	NM No Mount - Must specify mount from table above - Mount ships separately	BK Black BZ Bronze SV Silver WH White	BML Bluetooth® Technology Enabled Multi-Level Sensor - Utilizes a multifunction sensor - Refer to BML spec sheet for details - 20-40° sensor lens installed on luminaire; 8-20° sensor lens and aisle shroud included - Intended for downlight applications at 0° tilt - Not available with Q or X options or Synapse TL7-B2 or TL7-HVG accessories Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1 Field Adjustable Output - Must select Q9, Q8, Q7, Q6, Q5, Q4, Q3, Q2, or Q1 - Offers full range adjustability - Refer to pages 15-25 for power and lumen values - Not available with BML or X options or Synapse TL7-B2 or TL7-HVG accessories X8/X7/X6/X5/X4/X3/X2/X1 Locked Lumen Output - Must select X8, X7, X6, X5, X4, X3, X2, or X1 - Not available with BML or Q options - X1 option not available with the following lumen package/voltage offerings: 9L/UL, 16L/UL, 16L/UH, 30L/UL, 30L/UH, 65L/UL, 65L/UH - X2 option not available 9L/UL lumen package/voltage - Lumen output is permanently locked to the setting selected - Refer to pages 15-25 for power and lumen values	20KV 20kV/10kA Surge Suppression - Replaces standard 10kV/5kA surge protection F Fuse - Compatible with 120V, 277V or 347V (phase to neutral) - Consult factory if fusing is required for 208V, 240V or 480V (phase to phase) - When code dictates fusing, use time delay fuse N Utility Label and NEMA® Lift & Lock 7-Pin Photocell Receptacle - External utility label per ANSI C136.15-2020 - 7-pin receptacle per ANSI C136.41 - Available only with OSQM & OSQL luminaires - Intended for downlight applications with maximum 45° tilt - Factory connected 0-10V dim leads - Requires photocell or shorting cap by others R NEMA® Lift & Lock 7-Pin Photocell Receptacle - 7-pin receptacle per ANSI C136.41 - Intended for downlight applications with maximum 45° tilt - Factory connected 0-10V dim leads - Requires photocell or shorting cap by others - Refer to page 2 for compatible Synapse control offerings RL Rotate Left - LED and optic are rotated to the left - Refer to RR/RL configuration diagram on page 26 for optic directionality - Not for use with symmetric optics RR Rotate Right - LED and optic are rotated to the right - Refer to RR/RL configuration diagram on page 26 for optic directionality - Not for use with symmetric optics			
												Large 22L 22,000 Lumens 30L 30,000 Lumens 40L 40,000 Lumens 75L 75,000 Lumens	5M Type V Mid 5N Type V Narrow	33 NEMA® 3x3 44 NEMA® 4x4 55 NEMA® 5x5 66 NEMA® 6x6 75 NEMA® 7x5

GC TO VERIFY AND SPECIFY IF NOT UL

¹ Lumen Package codes identify approximate light output only. Actual lumen output levels vary by CCT and optic selection. Refer to Initial Delivered Lumen tables for specific lumen values

* Luminaire comes standard with 0-10V dimming



US: creelighting.com (800) 236-6800
Canada: creelighting-canada.com (800) 473-1234



Product Specifications

CREE LIGHTING NANOCOMFORT™ TECHNOLOGY

Cree Lighting's NanoComfort™ Technology ends the trade-offs in outdoor lighting by providing superior glare reduction and visual comfort in high-efficiency illumination delivered precisely where it is needed. The basic building block of NanoComfort™ Technology is a compact 4x4 array of LEDs. Each of the 16 LEDs in a module is in contact with its own acrylic polymer lens to capture and precisely direct light. With NanoComfort™ Technology, the acrylic optics are cut and sculpted into facets that relieve the glare and harshness while improving visual comfort – all while retaining superb efficacy and control.

CREE TRUEWHITE® TECHNOLOGY

A revolutionary way to generate high-quality white light, Cree TrueWhite® Technology is a patented approach that delivers an exclusive combination of 90+ CRI, beautiful light characteristics and lifelong color consistency, all while maintaining high luminous efficacy – a true no-compromise solution.

CONSTRUCTION & MATERIALS

- Slim, low profile design minimizes wind load requirements
- Luminaire housing is rugged die cast aluminum with an integral, weathertight LED driver compartment and high-performance heat sink
- Acrylic optic w/clear tempered glass lens
- Convenient interlocking mounting method on direct arm. Mounting adaptor is rugged die cast aluminum and mounts to 3" (76mm) or larger square or round pole, secured by two 5/16-18 UNC bolts spaced on 2" (51mm) centers. Refer to page 14 for fixture mounting drill pattern
- Adjustable arm mount adapters are rugged die cast aluminum
- OSQ-ML-C-AA mounts to a horizontal or vertical 2" (51mm) IP, 2.375" (60mm) O.D. tenon and can be adjusted 180° in 2.5° increments
- OSQ-X-C-AA mounts to a horizontal or vertical 2" (51mm) IP, 2.375-2.50" (60-64mm) O.D. steel tenon and can be adjusted 180° in 5.0° increments. **NOTE: Tenon length must be a minimum of 3.75" (95mm), and tenon must be steel**
- Trunnion mount is constructed of A500 and A1011 steel and is adjustable from 0-180° in 15° degree increments. Trunnion mount secures to surface with (1) 3/4" bolt or (2) 1/2" or 3/8" bolts
- Luminaires include 15" (381mm) 18/5 cord exiting the luminaire
- Designed for uplight and downlight applications. Uplight orientation not suitable for use with N or R options
- Exclusive Colorfast DeltaGuard® finish features an E-Coat epoxy primer with an ultra-durable powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation and abrasion. Silver, bronze, black, and white are available

Weight			
Mount	Housing Size		
	Medium	Large	Extra Large
Direct Arm	19.7 lbs. (8.9kg)	28.8 lbs. (13.1kg)	45.8 lbs. (20.8kg)
Adjustable Arm	19.3 lbs. (8.8kg)	28.4 lbs. (12.9kg)	48.6 lbs. (22.0kg)
Trunnion	23.2 lbs. (10.5kg)	32.3 lbs. (14.7kg)	N/A

For BML sensor add 0.1 lbs. (45g), and for NEMA receptacle, add 0.3 lbs. (136g).

ELECTRICAL SYSTEM

- **Input Voltage:** 120-277V, 277-480V or 347-480V, 50/60Hz, Class 1 drivers
- **Power Factor:** > 0.9 at full load
- **Total Harmonic Distortion:** < 20% at full load
- Integral 10kV/5kA surge suppression protection standard; 20kV/10kA surge suppression protection optional
- When code dictates fusing, a slow blow fuse or type C/D breaker should be used to address inrush current
- Designed with 0-10V dimming capabilities. Controls by others
- Refer to [Dimming spec sheet](#) for details
- **Maximum 10V Source Current:** 1.8mA
- **Operating Temperature Range:** -40°C - +40°C (-40°F - +104°F)

REGULATORY & VOLUNTARY QUALIFICATIONS

- cULus Listed (UL1598)
- Suitable for wet locations
- Meets NEMA C82.77 standards
- Drivers and LEDs are UL certified in accordance with UL8750
- Meets requirements of IP66 per IEC 60529 when ordered without N or R options
- Certified to ANSI C136.31-2018, 3G bridge and overpass vibration standards
- ANSI C136.2 10kV/5kA (standard) and 20kV/10kA (optional) surge suppression protection tested in accordance with IEEE/ANSI C62.41.2
- Meets FCC Part 15, Subpart B, Class A limits for conducted and radiated emissions
- Luminaire and finish endurance tested to withstand 5,000 hours of elevated ambient salt fog conditions as defined in ASTM Standard B 117
- Lens meets IK07 requirements per IEC 60068-2
- Assembled in the USA by Cree Lighting from US and imported parts
- Meets Buy American requirements within ARRA
- RoHS compliant. Consult factory for additional details
- Dark Sky Friendly, IDA Approved when ordered with 30K CCT and direct arm mount only. Please refer to <https://www.darksky.org/our-work/lighting/lighting-for-industry/fsa/fsa-products/> for most current information (Pending)
- **CA RESIDENTS WARNING:** Cancer and Reproductive Harm – www.p65warnings.ca.gov

Product Specifications

SYNAPSE® SIMPLYSNAP INTELLIGENT CONTROL

The Synapse SimplySNAP platform is a highly intuitive connected lighting solution featuring zone dimming, motion sensing, and daylight harvesting with utility-grade power monitoring and support of up to 1000 nodes per gateway. The system features a reliable and robust self-healing mesh network with a browser-based interface that runs on smartphones, tablets, and PCs. The Twist-Lock Lighting Controller (TL7-B2 or TL7-HVG) and Site Controller (SS450-002) take the OSQ Series to a new performance plateau, providing extreme energy productivity, code compliance and a better light experience.

Synapse Wireless Control Accessories	
Twist-Lock Lighting Controller TL7-B2 - Suitable for 120-277V (UL) voltage only - Requires NEMA/ANSI C136.41 7-Pin Dimming Receptacle - Not for use with BML or Q options - Provides On/Off switching, dimming, power metering, digital sensor input, and status monitoring of luminaire - Refer to TL7-B2 spec sheet for details	Synapse Wireless Sensor WSN-DPM - Motion and light sensor - Control multiple zones - Refer to WSN-DPM spec sheet for details
Twist-Lock Lighting Controller TL7-HVG - Suitable for 120-480V (UL, UE and UH) voltages - Requires NEMA/ANSI C136.41 7-Pin Dimming Receptacle - Not for use with BML or Q options - Provides On/Off switching, dimming, power metering, digital sensor input, and status monitoring of luminaire - Refer to TL7-HVG spec sheet for details	SimplySNAP On-Site Controller SS450-002 - Verizon® LTE-enabled - Designed for indoor applications - Refer to SS450-002 spec sheet for details
SimplySNAP Central Base Station CBS5W-450-002 - Includes On-Site Controller (SS450-002) and 5-button switch - Indoor and Outdoor rated - Refer to CBS5W-450-002 spec sheet for details	Building Management System (BMS) Gateway BMS-GW-002 - Required for BACnet integration - Refer to BMS-GW-002 spec sheet for details
	Outdoor Antennas (Optional, for increased range, 8dB gain) KIT-ANT420SM - Kit includes antenna, 20' cable and bracket KIT-ANT360 - Kit includes antenna, 30' cable and bracket KIT-ANT600 - Kit includes antenna, 50' cable and bracket - Refer to Outdoor antenna spec sheet for details

Electrical Data*

Lumen Package	System Watts 120-480V	Utility Label Wattage	Total Current (A)					
			120V	208V	240V	277V	347V	480V
4L**	26	30	0.21	0.12	0.11	0.09	N/A	N/A
6L	37	40	0.31	0.18	0.15	0.13	0.11	0.08
9L	55	60	0.46	0.27	0.23	0.20	0.16	0.12
11L	68	70	0.57	0.33	0.28	0.25	0.20	0.14
16L	97	100	0.81	0.47	0.40	0.35	0.28	0.20
22L	131	130	1.09	0.63	0.55	0.47	0.38	0.27
30L	175	180	1.46	0.84	0.73	0.63	0.50	0.36
40L	236	240	1.96	1.13	0.98	0.85	0.68	0.49
50L	297	N/A	2.48	1.43	1.24	1.07	0.86	0.62
65L	384	N/A	3.20	1.85	1.60	1.39	1.11	0.80
75L	447	N/A	3.73	2.15	1.86	1.61	1.29	0.93

* Electrical data at 25°C (77°F). Actual wattage may differ by +/- 10% when operating between 120-277V, 277-480V or 347-480V +/- 10%.

** Available with UL voltage only.

OSQ-C Series Ambient Adjusted Lumen Maintenance¹

Ambient	Initial LMF	25K hr Reported ² LMF	50K hr Reported ² LMF	75K hr Reported ² LMF	100K hr Reported ² LMF
5°C (41°F)	1.02	0.99	0.93	0.88	0.83
10°C (50°F)	1.02	0.98	0.93	0.87	0.82
15°C (59°F)	1.01	0.98	0.92	0.87	0.82
20°C (68°F)	1.01	0.97	0.92	0.86	0.81
25°C (77°F)	1.00	0.97	0.91	0.86	0.81

¹ Lumen maintenance values at 25°C (77°F) are calculated per IES TM-21 based on IES LM-80 report data for the LED package and in-situ luminaire testing. Luminaire ambient temperature factors (LATF) have been applied to all lumen maintenance factors. Please refer to the [Temperature Zone Reference Document](#) for outdoor average nighttime ambient conditions.

² In accordance with IES TM-21, Reported values represent interpolated values based on time durations that are up to 6x the tested duration in the IES LM-80 report for the LED.

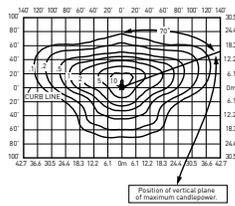
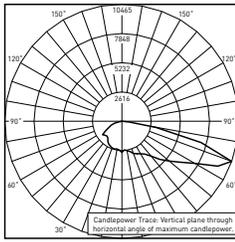
Accessories

Field-Installed	
Backlight Shield OSQ-M-C-BLSF (Medium) OSQ-L-C-BLSF (Large) OSQ-X-C-BLSF (Extra Large) - Not for use with rotated optics	Shorting Cap XA-XSLSHRT
Bird Spikes OSQ-M-C-BRDSPK OSQ-L-C-BRDSPK OSQ-X-C-BRDSPK	

Photometry

All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult: <https://creelighting.com/products/outdoor/area/osq-series>

2M



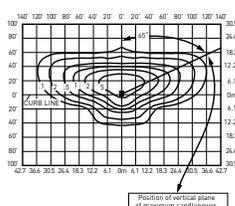
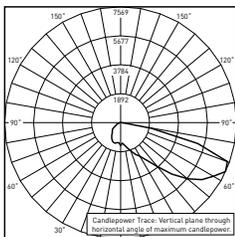
PRELIMINARY RESTL Test Report
OSQ Luminaire w/2M Optic
Initial Delivered Lumens: 15,560

OSQL-C-40L-40K7-2M-UL
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 38,000
Initial FC at grade

Type II Mid Distribution								
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	3,650	B1 U1 G1	3,800	B1 U1 G1	2,590	B1 U1 G1	3,800	B1 U1 G1
6L	5,475	B1 U1 G1	5,700	B1 U1 G1	3,880	B1 U1 G1	5,700	B1 U1 G1
9L	8,225	B2 U1 G2	8,550	B2 U1 G2	5,825	B1 U1 G1	8,550	B2 U1 G2
11L	10,025	B2 U1 G2	10,450	B2 U1 G2	7,100	B2 U1 G2	10,450	B2 U1 G2
16L	14,650	B3 U1 G3	15,200	B3 U1 G3	10,325	B2 U1 G2	15,200	B3 U1 G3
22L	20,100	B3 U1 G3	20,900	B3 U1 G3	14,200	B3 U1 G3	20,900	B3 U1 G3
30L	27,400	B3 U1 G3	28,500	B3 U1 G3	19,400	B3 U1 G3	28,500	B3 U1 G3
40L	36,500	B4 U1 G4	38,000	B4 U1 G4	25,900	B3 U1 G3	38,000	B4 U1 G4
50L	45,600	B4 U1 G5	47,500	B4 U1 G5	32,300	B3 U1 G4	47,500	B4 U1 G5
65L	59,300	B4 U1 G5	61,800	B4 U1 G5	42,000	B4 U1 G4	61,800	B4 U1 G5
75L	68,400	B5 U1 G5	71,300	B5 U1 G5	48,500	B4 U1 G5	71,300	B5 U1 G5

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

2B



PRELIMINARY RESTL Test Report
OSQ Luminaire w/2B Optic
Initial Delivered Lumens: 10,422

OSQL-C-40L-40K7-2B-UL
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 26,200
Initial FC at grade

Type II Mid w/BLS Distribution								
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	2,510	B1 U1 G1	2,620	B1 U1 G1	1,780	B0 U1 G1	2,620	B1 U1 G1
6L	3,760	B1 U1 G1	3,920	B1 U1 G1	2,670	B1 U1 G1	3,920	B1 U1 G1
9L	5,650	B1 U1 G1	5,875	B1 U1 G1	4,000	B1 U1 G1	5,875	B1 U1 G1
11L	6,900	B1 U1 G2	7,200	B1 U1 G2	4,890	B1 U1 G1	7,200	B1 U1 G2
16L	10,075	B2 U1 G2	10,450	B2 U1 G2	7,100	B1 U1 G2	10,450	B2 U1 G2
22L	13,800	B2 U1 G2	14,375	B2 U1 G2	9,775	B1 U1 G2	14,375	B2 U1 G2
30L	18,800	B2 U1 G3	19,600	B2 U1 G3	13,350	B2 U1 G2	19,600	B2 U1 G3
40L	25,100	B3 U1 G3	26,200	B3 U1 G3	17,800	B2 U1 G3	26,200	B3 U1 G3
50L	31,400	B3 U1 G4	32,700	B3 U1 G4	22,200	B3 U1 G3	32,700	B3 U1 G4
65L	40,800	B3 U1 G4	42,500	B3 U1 G4	28,900	B3 U1 G3	42,500	B3 U1 G4
75L	47,100	B3 U1 G4	49,000	B3 U1 G5	33,300	B3 U1 G4	49,000	B3 U1 G5

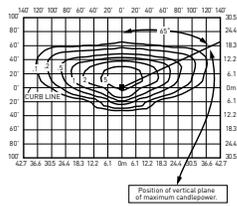
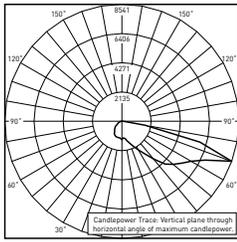
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

Photometry

All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult:

<https://creelighting.com/products/outdoor/area/osq-series>

2M W/OSQ-*-C-BLSF



PRELIMINARY RESTL Test Report
OSQ Luminaire w/2M Optic w/OSQ-M-C-BLSF
Initial Delivered Lumens: 9,579

OSQ-C-40L-40K7-2M-UL w/OSQ-L-C-BLSF
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 26,200
Initial FC at grade

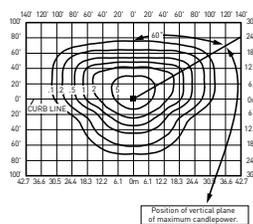
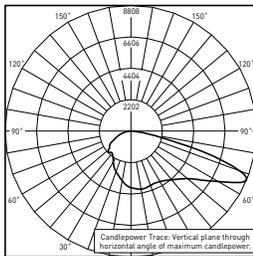
Type II Mid Distribution w/OSQ-*-C-BLSF

Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	2,510	B1 U1 G1	2,620	B1 U1 G1	1,780	B0 U1 G1	2,620	B1 U1 G1
6L	3,760	B1 U1 G1	3,920	B1 U1 G1	2,670	B1 U1 G1	3,920	B1 U1 G1
9L	5,650	B1 U1 G1	5,875	B1 U1 G1	4,000	B1 U1 G1	5,875	B1 U1 G1
11L	6,900	B1 U1 G2	7,200	B1 U1 G2	4,890	B1 U1 G1	7,200	B1 U1 G2
16L	10,075	B1 U1 G2	10,450	B1 U1 G2	7,100	B1 U1 G2	10,450	B1 U1 G2
22L	13,800	B2 U1 G2	14,375	B2 U1 G2	9,775	B1 U1 G2	14,375	B2 U1 G2
30L	18,800	B2 U1 G3	19,600	B2 U1 G3	13,350	B2 U1 G2	19,600	B2 U1 G3
40L	25,100	B3 U1 G3	26,200	B3 U1 G4	17,800	B2 U1 G3	26,200	B3 U1 G4
50L	31,400	B3 U1 G4	32,700	B3 U1 G4	22,200	B3 U1 G3	32,700	B3 U1 G4
65L	40,800	B3 U1 G4	42,500	B3 U1 G5	28,900	B3 U1 G4	42,500	B3 U1 G5
75L	47,100	B3 U1 G5	49,000	B3 U1 G5	33,300	B3 U1 G4	49,000	B3 U1 G5

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

3M



RESTL Test Report #: PL17240-001A
OSQM-C-16L-57K7-3M-UL-NM-WH
Initial Delivered Lumens: 15,444

OSQ-C-40L-40K7-3M-UL
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 38,000
Initial FC at grade

Type III Mid Distribution

Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	3,650	B1 U0 G1	3,800	B1 U0 G1	2,590	B1 U0 G1	3,800	B1 U0 G1
6L	5,475	B1 U0 G1	5,700	B1 U0 G1	3,880	B1 U0 G1	5,700	B1 U0 G1
9L	8,225	B2 U0 G2	8,550	B2 U0 G2	5,825	B1 U0 G1	8,550	B2 U0 G2
11L	10,025	B2 U0 G2	10,450	B2 U0 G2	7,100	B2 U0 G2	10,450	B2 U0 G2
16L	14,650	B3 U0 G3	15,200	B3 U0 G3	10,325	B2 U0 G2	15,200	B3 U0 G3
22L	20,100	B3 U0 G3	20,900	B3 U0 G3	14,200	B3 U0 G3	20,900	B3 U0 G3
30L	27,400	B3 U0 G3	28,500	B3 U0 G3	19,400	B3 U0 G3	28,500	B3 U0 G3
40L	36,500	B4 U0 G4	38,000	B4 U0 G4	25,900	B3 U0 G3	38,000	B4 U0 G4
50L	45,600	B4 U0 G4	47,500	B4 U0 G4	32,300	B3 U0 G4	47,500	B4 U0 G4
65L	59,300	B5 U0 G5	61,800	B5 U0 G5	42,000	B4 U0 G4	61,800	B5 U0 G5
75L	68,400	B5 U0 G5	71,300	B5 U0 G5	48,500	B4 U0 G4	71,300	B5 U0 G5

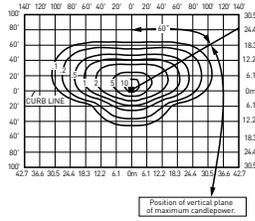
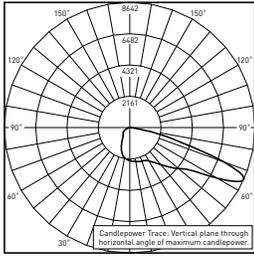
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

Photometry

All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult: <https://creelighting.com/products/outdoor/area/osq-series>

3B



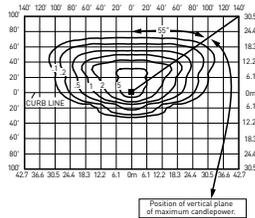
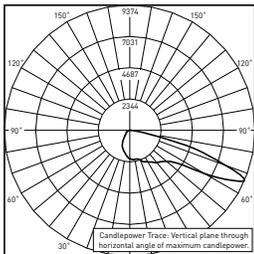
RESSL Test Report #: PL17366-001A
OSQM-C-16L-57K7-3B-UL-NM-WH
Initial Delivered Lumens: 10,081

OSQL-C-40L-40K7-3B-UL
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 26,200
Initial FC at grade

Type III Mid w/BLS Distribution								
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	2,510	B1 U0 G1	2,620	B1 U0 G1	1,780	B0 U0 G1	2,620	B1 U0 G1
6L	3,760	B1 U0 G1	3,920	B1 U0 G1	2,670	B1 U0 G1	3,920	B1 U0 G1
9L	5,650	B1 U0 G1	5,875	B1 U0 G1	4,000	B1 U0 G1	5,875	B1 U0 G1
11L	6,900	B1 U0 G2	7,200	B1 U0 G2	4,890	B1 U0 G1	7,200	B1 U0 G2
16L	10,075	B2 U0 G2	10,450	B2 U0 G2	7,100	B1 U0 G2	10,450	B2 U0 G2
22L	13,800	B2 U0 G2	14,375	B2 U0 G2	9,775	B2 U0 G2	14,375	B2 U0 G2
30L	18,800	B3 U0 G3	19,600	B3 U0 G3	13,350	B2 U0 G2	19,600	B3 U0 G3
40L	25,100	B3 U0 G3	26,200	B3 U0 G3	17,800	B3 U0 G3	26,200	B3 U0 G3
50L	31,400	B3 U0 G4	32,700	B3 U0 G4	22,200	B3 U0 G3	32,700	B3 U0 G4
65L	40,800	B3 U0 G4	42,500	B4 U0 G4	28,900	B3 U0 G4	42,500	B4 U0 G4
75L	47,100	B4 U0 G5	49,000	B4 U0 G5	33,300	B3 U0 G4	49,000	B4 U0 G5

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

3M W/OSQ*-C-BLSF



RESSL Test Report#: PL17054-001A
OSQM-C-16L-57K7-3M-UL-NM-WH-R w/
OSQ-M-C-BLSF
Initial Delivered Lumens: 10,227

OSQL-C-40L-40K7-3M-UL w/OSQ-L-C-BLSF
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 26,200
Initial FC at grade

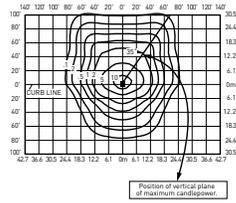
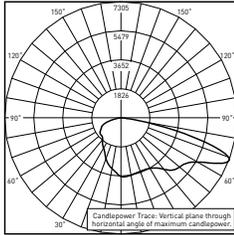
Type III Mid Distribution w/OSQ*-C-BLSF								
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	2,510	B1 U1 G1	2,620	B1 U1 G1	1,780	B0 U1 G1	2,620	B1 U1 G1
6L	3,760	B1 U1 G1	3,920	B1 U1 G1	2,670	B1 U1 G1	3,920	B1 U1 G1
9L	5,650	B1 U1 G1	5,875	B1 U1 G1	4,000	B1 U1 G1	5,875	B1 U1 G2
11L	6,900	B1 U1 G2	7,200	B1 U1 G2	4,890	B1 U1 G1	7,200	B1 U1 G2
16L	10,075	B2 U1 G2	10,450	B2 U1 G2	7,100	B1 U1 G2	10,450	B2 U1 G2
22L	13,800	B2 U2 G2	14,375	B2 U2 G2	9,775	B2 U1 G2	14,375	B2 U2 G2
30L	18,800	B3 U2 G3	19,600	B3 U2 G3	13,350	B2 U2 G2	19,600	B3 U2 G3
40L	25,100	B3 U2 G4	26,200	B3 U2 G4	17,800	B3 U2 G3	26,200	B3 U2 G4
50L	31,400	B3 U2 G4	32,700	B3 U2 G4	22,200	B3 U2 G3	32,700	B3 U2 G4
65L	40,800	B3 U2 G5	42,500	B3 U2 G5	28,900	B3 U2 G4	42,500	B3 U2 G5
75L	47,100	B4 U2 G5	49,000	B4 U2 G5	33,300	B3 U2 G4	49,000	B4 U2 G5

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

Photometry

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4M



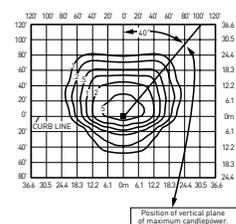
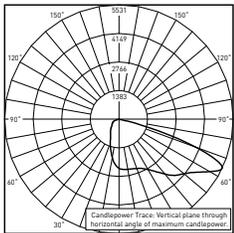
RESTL Test Report #: PL17299-001A
OSQM-C-16L-57K7-4M-UL-NM-WH
Initial Delivered Lumens: 15,584

OSQL-C-40L-40K7-4M-UL
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 38,000
Initial FC at grade

Type IV Mid Distribution								
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	3,650	B1 U0 G1	3,800	B1 U0 G1	2,590	B1 U0 G1	3,800	B1 U0 G1
6L	5,475	B1 U0 G1	5,700	B1 U0 G1	3,880	B1 U0 G1	5,700	B1 U0 G1
9L	8,225	B2 U0 G2	8,550	B2 U0 G2	5,825	B1 U0 G1	8,550	B2 U0 G2
11L	10,025	B2 U0 G2	10,450	B2 U0 G2	7,100	B2 U0 G1	10,450	B2 U0 G2
16L	14,650	B3 U0 G2	15,200	B3 U0 G2	10,325	B2 U0 G2	15,200	B3 U0 G2
22L	20,100	B3 U0 G3	20,900	B3 U0 G3	14,200	B3 U0 G2	20,900	B3 U0 G3
30L	27,400	B3 U0 G3	28,500	B3 U0 G3	19,400	B3 U0 G3	28,500	B3 U0 G3
40L	36,500	B4 U0 G4	38,000	B4 U0 G4	25,900	B3 U0 G3	38,000	B4 U0 G4
50L	45,600	B4 U0 G4	47,500	B4 U0 G4	32,300	B4 U0 G3	47,500	B4 U0 G4
65L	59,300	B5 U0 G5	61,800	B5 U0 G5	42,000	B4 U0 G4	61,800	B5 U0 G5
75L	68,400	B5 U0 G5	71,300	B5 U0 G5	48,500	B4 U0 G4	71,300	B5 U0 G5

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
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4B



RESTL Test Report #: PL17367-001A
OSQM-C-16L-57K7-4B-UL-NM-WH
Initial Delivered Lumens: 9,812

OSQL-C-40L-40K7-4B-UL
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 24,000
Initial FC at grade

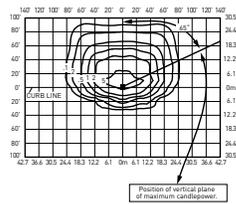
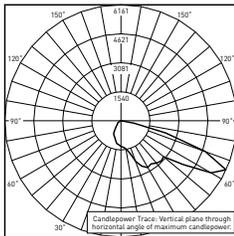
Type IV Mid w/BLS Distribution								
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	2,300	B1 U0 G0	2,400	B1 U0 G0	1,630	B0 U0 G0	2,400	B1 U0 G0
6L	3,440	B1 U0 G1	3,590	B1 U0 G1	2,440	B1 U0 G0	3,590	B1 U0 G1
9L	5,175	B1 U0 G1	5,400	B1 U0 G1	3,670	B1 U0 G1	5,400	B1 U0 G1
11L	6,325	B1 U0 G1	6,600	B1 U0 G1	4,480	B1 U0 G1	6,600	B1 U0 G1
16L	9,225	B2 U0 G2	9,575	B2 U0 G2	6,525	B1 U0 G1	9,575	B2 U0 G2
22L	12,625	B2 U0 G2	13,175	B2 U0 G2	8,950	B2 U0 G2	13,175	B2 U0 G2
30L	17,200	B3 U0 G2	18,000	B3 U0 G2	12,225	B2 U0 G2	18,000	B3 U0 G2
40L	23,000	B3 U0 G3	24,000	B3 U0 G3	16,300	B3 U0 G2	24,000	B3 U0 G3
50L	28,700	B3 U0 G3	29,900	B3 U0 G3	20,400	B3 U0 G2	29,900	B3 U0 G3
65L	37,400	B3 U0 G4	38,900	B3 U0 G4	26,500	B3 U0 G3	38,900	B3 U0 G4
75L	43,100	B4 U0 G4	44,900	B4 U0 G4	30,500	B3 U0 G3	44,900	B4 U0 G4

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

Photometry

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4M W/OSQ-*-C-BLSF



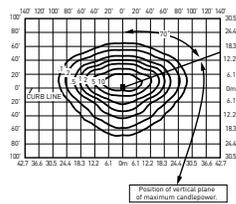
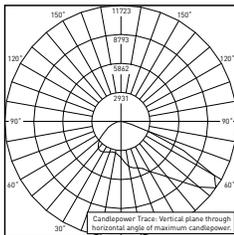
PRELIMINARY RESTL Test Report
OSQ Luminaire w/4M Optic w/OSQ-M-C-BLSF
Initial Delivered Lumens: 9,345

OSQL-C-40L-40K7-4M-UL w/OSQ-L-C-BLSF
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 24,000
Initial FC at grade

Type IV Mid Distribution w/OSQ-*-C-BLSF								
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	2,300	B0 U1 G1	2,400	B1 U1 G1	1,630	B0 U1 G1	2,400	B1 U1 G1
6L	3,440	B1 U1 G1	3,590	B1 U1 G1	2,440	B1 U1 G1	3,590	B1 U1 G1
9L	5,175	B1 U1 G1	5,400	B1 U1 G1	3,670	B1 U1 G1	5,400	B1 U1 G1
11L	6,325	B1 U1 G2	6,600	B1 U1 G2	4,480	B1 U1 G1	6,600	B1 U1 G2
16L	9,225	B1 U1 G2	9,575	B1 U1 G2	6,525	B1 U1 G2	9,575	B1 U1 G2
22L	12,625	B2 U1 G2	13,175	B2 U1 G2	8,950	B1 U1 G2	13,175	B2 U1 G2
30L	17,200	B2 U1 G3	18,000	B2 U1 G3	12,225	B2 U1 G2	18,000	B2 U1 G3
40L	23,000	B3 U1 G3	24,000	B3 U1 G3	16,300	B2 U1 G2	24,000	B3 U1 G3
50L	28,700	B3 U1 G4	29,900	B3 U1 G4	20,400	B2 U1 G3	29,900	B3 U1 G4
65L	37,400	B3 U1 G4	38,900	B3 U1 G4	26,500	B3 U1 G4	38,900	B3 U1 G4
75L	43,100	B3 U1 G5	44,900	B3 U1 G5	30,500	B3 U1 G4	44,900	B3 U1 G5

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
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AF



PRELIMINARY RESTL Test Report
OSQ Luminaire w/AF Optic
Initial Delivered Lumens: 15,866

OSQL-C-40L-40K7-AF-UL
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 38,000
Initial FC at grade

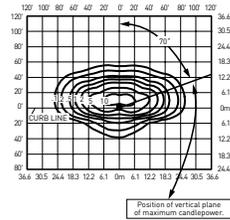
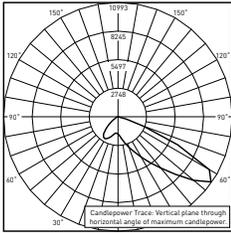
Automotive FrontLineOptic™ Distribution								
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	3,650	B1 U1 G1	3,800	B1 U1 G1	2,590	B1 U1 G1	3,800	B1 U1 G1
6L	5,475	B1 U1 G1	5,700	B1 U1 G1	3,880	B1 U1 G1	5,700	B1 U1 G1
9L	8,225	B2 U1 G1	8,550	B2 U1 G1	5,825	B1 U1 G1	8,550	B2 U1 G1
11L	10,025	B2 U1 G2	10,450	B2 U1 G2	7,100	B2 U1 G1	10,450	B2 U1 G2
16L	14,650	B3 U1 G2	15,200	B3 U1 G2	10,325	B2 U1 G2	15,200	B3 U1 G2
22L	20,100	B3 U1 G3	20,900	B3 U1 G3	14,200	B2 U1 G2	20,900	B3 U1 G3
30L	27,400	B3 U1 G3	28,500	B3 U1 G3	19,400	B3 U1 G3	28,500	B3 U1 G3
40L	36,500	B4 U1 G3	38,000	B4 U1 G3	25,900	B3 U1 G3	38,000	B4 U1 G3
50L	45,600	B4 U1 G4	47,500	B4 U1 G4	32,300	B3 U1 G3	47,500	B4 U1 G4
65L	59,300	B5 U1 G4	61,800	B5 U1 G4	42,000	B4 U1 G3	61,800	B5 U1 G4
75L	68,400	B5 U1 G4	71,300	B5 U1 G4	48,500	B4 U1 G4	71,300	B5 U1 G4

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

Photometry

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AB



PRELIMINARY RESTL Test Report
OSQ Luminaire w/AB Optic
Initial Delivered Lumens: 11,393

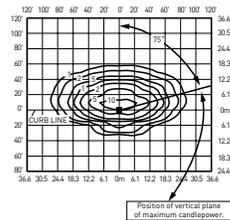
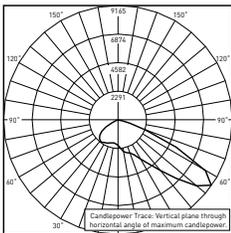
OSQ-L-C-40L-40K7-AB-UL
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 26,200
Initial FC at grade

Automotive FrontLineOptic™ w/BLS Distribution

Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	2,510	B1 U1 G0	2,620	B1 U1 G0	1,780	B0 U1 G0	2,620	B1 U1 G0
6L	3,760	B1 U1 G0	3,920	B1 U1 G1	2,670	B1 U1 G0	3,920	B1 U1 G1
9L	5,650	B1 U1 G1	5,875	B1 U1 G1	4,000	B1 U1 G1	5,875	B1 U1 G1
11L	6,900	B1 U1 G1	7,200	B1 U1 G1	4,890	B1 U1 G1	7,200	B1 U1 G1
16L	10,075	B2 U1 G1	10,450	B2 U1 G1	7,100	B1 U1 G1	10,450	B2 U1 G1
22L	13,800	B2 U1 G2	14,375	B2 U1 G2	9,775	B2 U1 G1	14,375	B2 U1 G2
30L	18,800	B2 U1 G2	19,600	B2 U1 G2	13,350	B2 U1 G2	19,600	B2 U1 G2
40L	25,100	B3 U1 G2	26,200	B3 U1 G2	17,800	B2 U1 G2	26,200	B3 U1 G2
50L	31,400	B3 U1 G2	32,700	B3 U1 G2	22,200	B3 U1 G2	32,700	B3 U1 G2
65L	40,800	B3 U1 G3	42,500	B3 U1 G3	28,900	B3 U1 G2	42,500	B3 U1 G3
75L	47,100	B3 U1 G3	49,000	B4 U1 G3	33,300	B3 U1 G2	49,000	B4 U1 G3

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

AF W/OSQ*-C-BLSF



PRELIMINARY RESTL Test Report
OSQ Luminaire w/AF Optic w/OSQ-M-C-BLSF
Initial Delivered Lumens: 9,783

OSQ-L-C-40L-40K7-AF-UL w/OSQ-L-C-BLSF
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 26,200
Initial FC at grade

Automotive FrontLineOptic™ w/OSQ*-C-BLSF

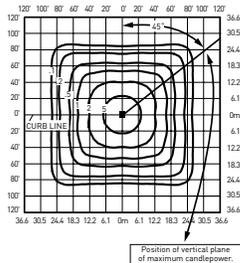
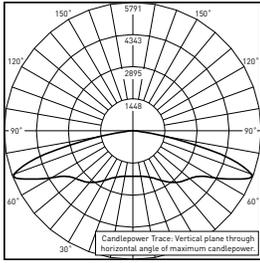
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	2,510	B1 U1 G0	2,620	B1 U1 G0	1,780	B0 U1 G0	2,620	B1 U1 G0
6L	3,760	B1 U1 G0	3,920	B1 U1 G1	2,670	B1 U1 G0	3,920	B1 U1 G1
9L	5,650	B1 U1 G1	5,875	B1 U1 G1	4,000	B1 U1 G1	5,875	B1 U1 G1
11L	6,900	B1 U1 G1	7,200	B1 U1 G1	4,890	B1 U1 G1	7,200	B1 U1 G1
16L	10,075	B2 U1 G1	10,450	B2 U1 G1	7,100	B1 U1 G1	10,450	B2 U1 G1
22L	13,800	B2 U1 G2	14,375	B2 U1 G2	9,775	B2 U1 G1	14,375	B2 U1 G2
30L	18,800	B3 U1 G2	19,600	B3 U1 G2	13,350	B2 U1 G2	19,600	B3 U1 G2
40L	25,100	B3 U1 G2	26,200	B3 U1 G2	17,800	B2 U1 G2	26,200	B3 U1 G2
50L	31,400	B3 U1 G2	32,700	B3 U1 G2	22,200	B3 U1 G2	32,700	B3 U1 G2
65L	40,800	B3 U1 G3	42,500	B3 U1 G3	28,900	B3 U1 G2	42,500	B3 U1 G3
75L	47,100	B4 U1 G3	49,000	B4 U1 G3	33,300	B3 U1 G2	49,000	B4 U1 G3

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

Photometry

All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult: <https://creelighting.com/products/outdoor/area/osq-series>

5M



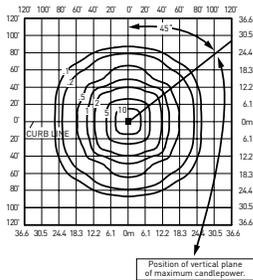
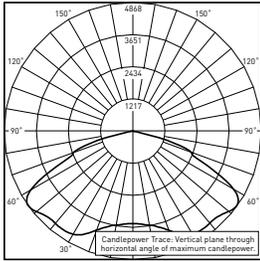
RESTL Test Report #: PL17290-002A
OSQM-C-16L-57K7-5M-UL-NM-WH
Initial Delivered Lumens: 15,567

OSQL-C-40L-40K7-5M-UL
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 40,000
Initial FC at grade

Type V Mid Distribution								
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	3,840	B2 U0 G1	4,000	B2 U0 G1	2,720	B2 U0 G1	4,000	B2 U0 G1
6L	5,750	B3 U0 G1	6,000	B3 U0 G1	4,080	B2 U0 G1	6,000	B3 U0 G1
9L	8,650	B3 U0 G1	9,000	B3 U0 G1	6,125	B3 U0 G1	9,000	B3 U0 G1
11L	10,550	B3 U0 G2	11,000	B3 U0 G2	7,475	B3 U0 G1	11,000	B3 U0 G2
16L	15,400	B4 U0 G2	16,000	B4 U0 G2	10,875	B3 U0 G2	16,000	B4 U0 G2
22L	21,100	B4 U0 G2	22,000	B4 U0 G2	14,950	B4 U0 G2	22,000	B4 U0 G2
30L	28,800	B5 U0 G3	30,000	B5 U0 G3	20,400	B4 U0 G2	30,000	B5 U0 G3
40L	38,400	B5 U0 G3	40,000	B5 U0 G4	27,200	B5 U0 G3	40,000	B5 U0 G4
50L	48,000	B5 U0 G4	50,000	B5 U0 G4	34,000	B5 U0 G3	50,000	B5 U0 G4
65L	62,400	B5 U0 G5	65,000	B5 U0 G5	44,200	B5 U0 G4	65,000	B5 U0 G5
75L	72,000	B5 U0 G5	75,000	B5 U0 G5	51,000	B5 U0 G4	75,000	B5 U0 G5

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

5N



RESTL Test Report #: PL17333-002A
OSQM-C-16L-57K7-5N-UL-NM-WH
Initial Delivered Lumens: 16,299

OSQL-C-40L-40K7-5N-UL
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 40,000
Initial FC at grade

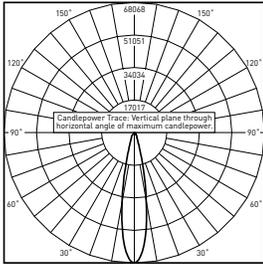
Type V Narrow Distribution								
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	3,840	B2 U0 G0	4,000	B2 U0 G0	2,720	B1 U0 G0	4,000	B2 U0 G0
6L	5,750	B2 U0 G0	6,000	B2 U0 G1	4,080	B2 U0 G0	6,000	B2 U0 G1
9L	8,650	B2 U0 G1	9,000	B3 U0 G1	6,125	B2 U0 G1	9,000	B3 U0 G1
11L	10,550	B3 U0 G1	11,000	B3 U0 G1	7,475	B2 U0 G1	11,000	B3 U0 G1
16L	15,400	B3 U0 G1	16,000	B3 U0 G2	10,875	B3 U0 G1	16,000	B3 U0 G2
22L	21,100	B4 U0 G2	22,000	B4 U0 G2	14,950	B3 U0 G1	22,000	B4 U0 G2
30L	28,800	B4 U0 G2	30,000	B5 U0 G2	20,400	B4 U0 G2	30,000	B5 U0 G2
40L	38,400	B5 U0 G2	40,000	B5 U0 G2	27,200	B4 U0 G2	40,000	B5 U0 G2
50L	48,000	B5 U0 G3	50,000	B5 U0 G3	34,000	B5 U0 G2	50,000	B5 U0 G3
65L	62,400	B5 U0 G3	65,000	B5 U0 G3	44,200	B5 U0 G2	65,000	B5 U0 G3
75L	72,000	B5 U0 G4	75,000	B5 U0 G4	51,000	B5 U0 G3	75,000	B5 U0 G4

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

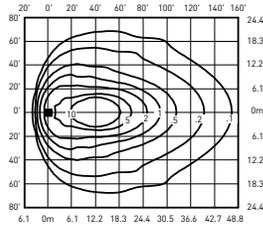
Photometry

All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult: <https://creelighting.com/products/outdoor/area/osq-series>

33



RESTL Test Report #: PL17338-001A
OSQM-C-16L-57K7-33-UL-NM-WH
Initial Delivered Lumens: 16,127

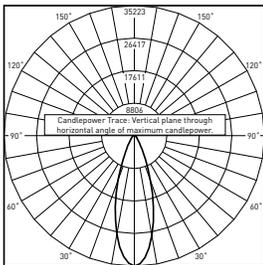


OSQL-C-40L-40K7-33-UL
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt
Initial Delivered Lumens: 40,000
Initial FC at grade

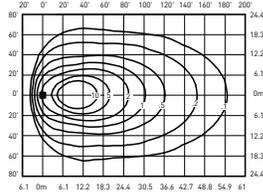
NEMA® 3x3 Distribution				
Lumen Package	3000K (70 CRI)	4000K (70 CRI)	5000K (90CRI)	5700K (70 CRI)
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
4L	3,840	4,000	2,720	4,000
6L	5,750	6,000	4,080	6,000
9L	8,650	9,000	6,125	9,000
11L	10,550	11,000	7,475	11,000
16L	15,400	16,000	10,875	16,000
22L	21,100	22,000	14,950	22,000
30L	28,800	30,000	20,400	30,000
40L	38,400	40,000	27,200	40,000
50L	48,000	50,000	34,000	50,000
65L	62,400	65,000	44,200	65,000
75L	72,000	75,000	51,000	75,000

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

44



PRELIMINARY RESTL Test Report
OSQ Luminaire w/44 Optic
Initial Delivered Lumens: 16,001



OSQL-C-40L-40K7-44-UL
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt
Initial Delivered Lumens: 40,000
Initial FC at grade

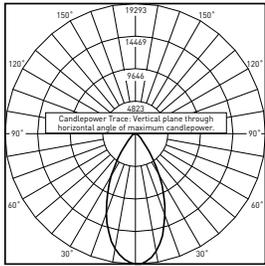
NEMA® 4x4 Distribution				
Lumen Package	3000K (70 CRI)	4000K (70 CRI)	5000K (90CRI)	5700K (70 CRI)
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
4L	3,840	4,000	2,720	4,000
6L	5,750	6,000	4,080	6,000
9L	8,650	9,000	6,125	9,000
11L	10,550	11,000	7,475	11,000
16L	15,400	16,000	10,875	16,000
22L	21,100	22,000	14,950	22,000
30L	28,800	30,000	20,400	30,000
40L	38,400	40,000	27,200	40,000
50L	48,000	50,000	34,000	50,000
65L	62,400	65,000	44,200	65,000
75L	72,000	75,000	51,000	75,000

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

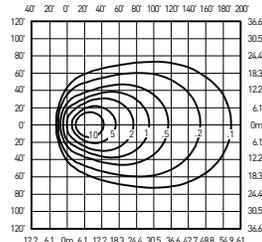
Photometry

All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult: <https://creelighting.com/products/outdoor/area/osq-series>

55



PRELIMINARY RESTL Test Report
OSQ Luminaire w/55 Optic
Initial Delivered Lumens: 15,967

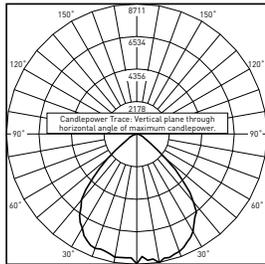


OSQL-C-40L-40K7-55-UL
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt
Initial Delivered Lumens: 40,000
Initial FC at grade

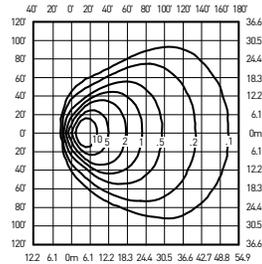
NEMA® 5x5 Distribution				
Lumen Package	3000K (70 CRI)	4000K (70 CRI)	5000K (90CRI)	5700K (70 CRI)
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
4L	3,840	4,000	2,720	4,000
6L	5,750	6,000	4,080	6,000
9L	8,650	9,000	6,125	9,000
11L	10,550	11,000	7,475	11,000
16L	15,400	16,000	10,875	16,000
22L	21,100	22,000	14,950	22,000
30L	28,800	30,000	20,400	30,000
40L	38,400	40,000	27,200	40,000
50L	48,000	50,000	34,000	50,000
65L	62,400	65,000	44,200	65,000
75L	72,000	75,000	51,000	75,000

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

66



PRELIMINARY RESTL Test Report
OSQ Luminaire w/66 Optic
Initial Delivered Lumens: 15,952



OSQL-C-40L-40K7-66-UL
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt
Initial Delivered Lumens: 40,000
Initial FC at grade

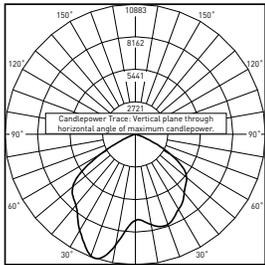
NEMA® 6x6 Distribution				
Lumen Package	3000K (70 CRI)	4000K (70 CRI)	5000K (90CRI)	5700K (70 CRI)
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
4L	3,840	4,000	2,720	4,000
6L	5,750	6,000	4,080	6,000
9L	8,650	9,000	6,125	9,000
11L	10,550	11,000	7,475	11,000
16L	15,400	16,000	10,875	16,000
22L	21,100	22,000	14,950	22,000
30L	28,800	30,000	20,400	30,000
40L	38,400	40,000	27,200	40,000
50L	48,000	50,000	34,000	50,000
65L	62,400	65,000	44,200	65,000
75L	72,000	75,000	51,000	75,000

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

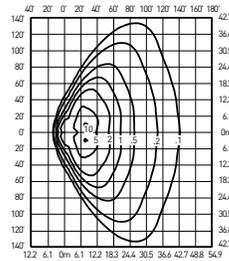
Photometry

All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult: <https://creelighting.com/products/outdoor/area/osq-series>

75



RESTL Test Report #: PL17352-001A
OSQM-C-16L-57K7-75-UL-NM-WH
Initial Delivered Lumens: 16,120



OSQL-C-40L-40K7-75-UL
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt
Initial Delivered Lumens: 40,000
Initial FC at grade

NEMA® 7x5 Distribution				
Lumen Package	3000K (70 CRI)	4000K (70 CRI)	5000K (90CRI)	5700K (70 CRI)
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
4L	3,840	4,000	2,720	4,000
6L	5,750	6,000	4,080	6,000
9L	8,650	9,000	6,125	9,000
11L	10,550	11,000	7,475	11,000
16L	15,400	16,000	10,875	16,000
22L	21,100	22,000	14,950	22,000
30L	28,800	30,000	20,400	30,000
40L	38,400	40,000	27,200	40,000
50L	48,000	50,000	34,000	50,000
65L	62,400	65,000	44,200	65,000
75L	72,000	75,000	51,000	75,000

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

Luminaire EPA

Adjustable Arm Mount – OSQ-ML-C-AA Weight: Medium - 19.3 lbs. [8.8kg]; Large - 28.4 lbs. [12.9kg]; OSQ-X-C-DA Weight: Extra Large - 48.6 lbs. [22kg]								
	Single	2 @ 180°	2 @ 90°	3 @ 90°	3 @ 120°	3 @ 180°	4 @ 180°	4 @ 90°
Luminaire	Tenon Configuration [0° - 90° Tilt]; If used with Cree Lighting tenons, please add tenon EPA with Luminaire EPA							
	PB-1A*; PT-1*; PW-1A3**	PB-2A*; PB-2R2.375; PD-2A4(180)*; PT-2(180)*; PW-2A3**	PB-2A*; PB-2R2.375; PD-2A4(90)*; PT-2(90)*; PW-2A3**	PB-3A*; PB-3R2.375; PD-3A4(90)*; PT-3(90)*	PB-3A*; PB-3R2.375; PT-3(120)*	PB-3A*; PB-3R2.375	PB-4A*(180); PB-4R2.375	PB-4A*(90); PB-4R2.375; PD-4A4(90)*; PT-4(90)*
	0° Tilt							
OSQM	0.69	1.38	1.11	1.80	2.01	1.38	1.73	2.22
OSQL	0.78	1.55	1.30	2.07	2.33	1.55	1.94	2.60
OSQX	0.98	1.95	1.65	2.63	2.97	1.95	2.44	3.31
	45° Tilt							
OSQM	1.41	2.81	2.10	3.50	4.23	4.22	5.63	4.19
OSQL	2.62	5.23	3.39	6.01	6.91	7.85	10.46	6.79
OSQX	4.35	8.70	5.33	9.68	9.65	13.05	17.40	10.66
	90° Tilt***							
OSQM	1.89	3.79	2.58	4.48	5.56	5.68	7.57	5.17
OSQL	3.52	7.03	4.29	7.81	9.14	10.55	14.07	8.59
OSQX	5.84	11.68	6.82	12.66	12.78	17.52	23.36	13.63

* Specify pole size: 3 [3"], 4 [4"], 5 [5"], or 6 [6"] for single, double or triple luminaire orientation or 4 [4"], 5 [5"], or 6 [6"] for quad luminaire orientation
 ** These EPA values must be multiplied by the following ratio: Fixture Mounting Height/Total Pole Height. Specify pole size: 3 [3"], 4 [4"], 5 [5"], or 6 [6"]
 *** PD-2A4(90), PT-2(90), PD-3A4(90), PT-3(90), PD-4A4(90), PT-4(90) are not compatible with 90 degree tilt
 + PT & PD aluminum tenons are not suitable for use with OSQX luminaires.

Tenon EPA

Part Number	EPA
PB-1A*	None
PB-2A*	0.82
PB-3A*	1.52
PB-4A*(180)	2.22
PB-4A*(90)	1.11
PB-2R2.375	0.92
PB-3R2.375	1.62
PB-4R2.375	2.32
PD Series Tenons	0.09
PT Series Tenons	0.10
PW-1A3**	0.47
PW-2A3**	0.94
WM-2	0.08
WM-4	0.25
WM-DM	None

* Specify pole size: 3 [3"], 4 [4"], 5 [5"], or 6 [6"] for single, double or triple luminaire orientation or 4 [4"], 5 [5"], or 6 [6"] for quad luminaire orientation
 ** These EPA values must be multiplied by the following ratio: Fixture Mounting Height/Total Pole Height. Specify pole size: 3 [3"], 4 [4"], 5 [5"], or 6 [6"]

Tenons and Brackets [†] (must specify color)	
<p>Square Internal Mount Vertical Tenons (Steel) - Mounts to 3-6" (76-152mm) square aluminum or steel poles</p> <p>PB-1A* – Single PB-2A* – 180° Twin PB-3A* – 180° Triple</p> <p>PB-4A*(90) – 90° Quad PB-4A*(180) – 180° Quad</p>	<p>Round External Mount Vertical Tenons (Steel) - Mounts to 2.375" (60mm) O.D. round aluminum or steel poles or tenons</p> <p>PB-2R2.375 – Twin PB-3R2.375 – Triple PB-4R2.375 – Quad</p>
<p>Square Internal Mount Horizontal Tenons (Aluminum) - Mounts to 4" (102mm) square aluminum or steel poles - Not for use with OSQX luminaires</p> <p>PD-2A4(90) – 90° Twin PD-2A4(180) – 180° Twin PD-3A4(90) – 90° Triple PD-4A4(90) – 90° Quad</p>	<p>Round External Mount Horizontal Tenons (Aluminum) - Mounts to 2.375" (60mm) O.D. round aluminum or steel poles or tenons - Mounts to square pole with PB-1A* tenon - Not for use with OSQX luminaires</p> <p>PT-1 – Single (Vertical) PT-2(90) – 90° Twin PT-2(180) – 180° Twin PT-3(90) – 90° Triple PT-3(120) – 120° Triple PT-4(90) – 90° Quad</p>
<p>Wall Mount Brackets - Mounts to wall or roof</p> <p>WM-2 – Horizontal for OSQ-ML-C-AA or OSQ-X-C-AA mounts WM-4 – L-Shape for OSQ-ML-C-AA or OSQ-X-C-AA mounts WM-DM – Plate for OSQ-ML-C-DA or OSQ-X-C-DA mounts</p>	<p>Mid-Pole Bracket - Mounts to square pole</p> <p>PW-1A3** – Single PW-2A3** – Double</p>
	<p>Ground Mount Post - For ground-mounted flood luminaires</p> <p>PGM-1 - for OSQ-ML-C-AA or OSQ-X-C-AA mounts</p>

[†] Refer to the [Bracket and Tenons spec sheet](#) for more details

Luminaire EPA

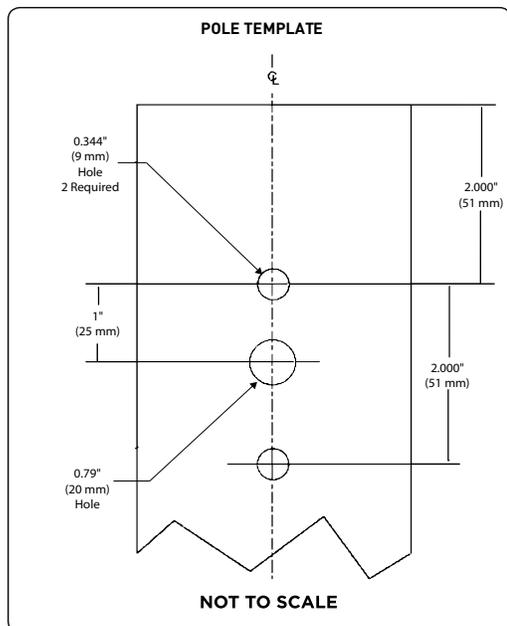
Direct Arm Mount – OSQ-ML-C-DA Weight: Medium - 19.7 lbs. (8.9kg); Large - 28.8 lbs. (13.1kg); OSQ-X-C-DA Weight: Extra Large - 45.8 lbs. (20.8kg)						
Luminaire	Single	2 @ 180°	2 @ 90°	3 @ 90°	3 @ 120°	4 @ 90°
OSQM	0.63	1.26	0.98	1.61	1.79	1.97
OSQL	0.72	1.45	1.24	1.97	2.23	2.49
OSQX	0.91	1.83	1.52	2.43	2.74	3.04

Direct Mount Configurations

Compatibility with Direct Mount Brackets					
Size	2 @ 90°	2 @ 180°	3 @ 90°	3 @ 120°	4 @ 90°
3" Square					
Medium/Large	✓	✓	✓	N/A	✓
Extra Large	N/A	✓	N/A	N/A	N/A
3" Round					
Medium/Large	N/A	✓	N/A	✓	N/A
Extra Large	N/A	N/A	N/A	N/A	N/A
4" Square					
Medium/Large	✓	✓	✓	N/A	✓
Extra Large	✓	✓	✓	N/A	✓
4" Round					
Medium/Large	✓	✓	✓	✓	✓
Extra Large	✓	✓	✓	✓	✓
5" Square					
Medium/Large	✓	✓	✓	N/A	✓
Extra Large	✓	✓	✓	N/A	✓
5" Round					
Medium/Large	✓	✓	✓	✓	✓
Extra Large	✓	✓	✓	✓	✓
6" + Square					
Medium/Large	✓	✓	✓	N/A	✓
Extra Large	✓	✓	✓	N/A	✓
6" + Round					
Medium/Large	✓	✓	✓	✓	✓
Extra Large	✓	✓	✓	✓	✓

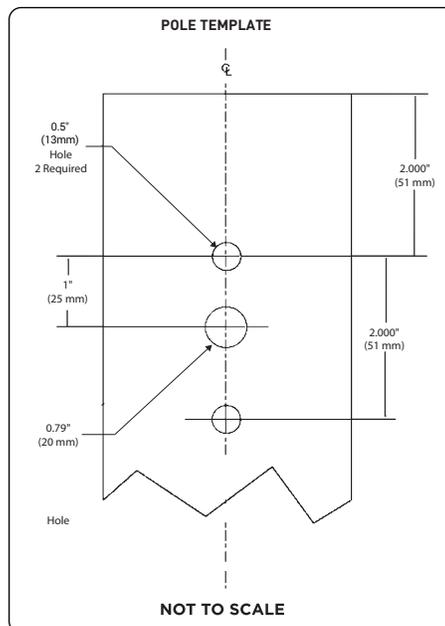
Fixture Mounting Drill Pattern for OSQ-ML-C-DA Mount

Note: When using with Cree Lighting poles, order the BLANK Fixture Mounting Drill Pattern.



Fixture Mounting Drill Pattern for OSQ-X-C-DA

Note: When using with Cree Lighting poles, order the Q Fixture Mounting Drill Pattern.



Luminaire EPA

Trunnion Mount – OSQ-ML-C-TM Weight:	
Medium - 23.2 lbs. (10.5kg);	
Large - 32.3 lbs. (14.7kg)	
Single	
Medium	Large
0° Tilt	
0.69	0.78
45° Tilt	
1.41	2.62
90° Tilt	
1.89	3.52

Field Adjustable Output (Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:

The Field Adjustable Output option enables the OSQ area luminaires to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected Q setting and will be fully adjustable between the nine settings. When ordered with the N option, the luminaire will include an ANSI C136.15-2020 utility label that indicates the wattage (rounded to nearest 10W), the lumen output (rounded to nearest 1000 lumens), and the CCT of the luminaire at the selected lumen output. Additional dimming functionality is available when a dimming control (by others) is used in the 7-Pin receptacle.

Locked Lumen Output (X8/X7/X6/X5/X4/X3/X2/X1) Option Description:

The Locked Lumen Output option on this page permanently locks the lumen output on the OSQ area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected and will only be able to be adjusted down in the field through a dimming control (by others). When ordered with the N option, the luminaire will include a utility label that indicates the wattage, lumen output, and CCT of the setting selected.

Q & X Option Power & Lumen Data – 4L Lumen Package

Q/X Option Setting	CCT/CRI	System Watts 120-277V	Lumen Values				Utility Label Wattage	Utility Label Lumens			
			Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS		Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS
Q9 (Full Power)	30K (70 CRI)	26	3,650	3,840	2,510	2,300	30	4000 L	4000 L	3000 L	2000 L
	40K (70 CRI)		3,800	4,000	2,620	2,400		4000 L	4000 L	3000 L	2000 L
	50K (90 CRI)		2,590	2,720	1,780	1,630		3000 L	3000 L	2000 L	2000 L
	57K (70 CRI)		3,800	4,000	2,620	2,400		4000 L	4000 L	3000 L	2000 L
Q8/X8	30K (70 CRI)	24	3,480	3,660	2,390	2,190	20	3000 L	4000 L	2000 L	2000 L
	40K (70 CRI)		3,630	3,820	2,500	2,290		4000 L	4000 L	3000 L	2000 L
	50K (90 CRI)		2,460	2,590	1,690	1,550		2000 L	3000 L	2000 L	2000 L
	57K (70 CRI)		3,630	3,820	2,500	2,290		4000 L	4000 L	3000 L	2000 L
Q7/X7	30K (70 CRI)	23	3,340	3,510	2,300	2,100	20	3000 L	4000 L	2000 L	2000 L
	40K (70 CRI)		3,480	3,660	2,390	2,190		3000 L	4000 L	2000 L	2000 L
	50K (90 CRI)		2,370	2,490	1,630	1,490		2000 L	2000 L	2000 L	1000 L
	57K (70 CRI)		3,480	3,660	2,390	2,190		3000 L	4000 L	2000 L	2000 L
Q6/X6	30K (70 CRI)	22	3,220	3,390	2,220	2,030	20	3000 L	3000 L	2000 L	2000 L
	40K (70 CRI)		3,360	3,540	2,310	2,120		3000 L	4000 L	2000 L	2000 L
	50K (90 CRI)		2,280	2,400	1,570	1,440		2000 L	2000 L	2000 L	1000 L
	57K (70 CRI)		3,360	3,540	2,310	2,120		3000 L	4000 L	2000 L	2000 L
Q5/X5	30K (70 CRI)	20	2,950	3,100	2,030	1,860	20	3000 L	3000 L	2000 L	2000 L
	40K (70 CRI)		3,070	3,230	2,110	1,930		3000 L	3000 L	2000 L	2000 L
	50K (90 CRI)		2,090	2,200	1,440	1,320		2000 L	2000 L	1000 L	1000 L
	57K (70 CRI)		3,070	3,230	2,110	1,930		3000 L	3000 L	2000 L	2000 L
Q4/X4	30K (70 CRI)	18	2,680	2,820	1,840	1,690	20	3000 L	3000 L	2000 L	2000 L
	40K (70 CRI)		2,790	2,940	1,920	1,760		3000 L	3000 L	2000 L	2000 L
	50K (90 CRI)		1,900	2,000	1,310	1,200		2000 L	2000 L	1000 L	1000 L
	57K (70 CRI)		2,790	2,940	1,920	1,760		3000 L	3000 L	2000 L	2000 L
Q3/X3	30K (70 CRI)	16	2,470	2,600	1,700	1,560	20	2000 L	3000 L	2000 L	2000 L
	40K (70 CRI)		2,580	2,710	1,770	1,620		3000 L	3000 L	2000 L	2000 L
	50K (90 CRI)		1,750	1,840	1,200	1,100		2000 L	2000 L	1000 L	1000 L
	57K (70 CRI)		2,580	2,710	1,770	1,620		3000 L	3000 L	2000 L	2000 L
Q2/X2	30K (70 CRI)	15	2,220	2,340	1,530	1,400	20	2000 L	2000 L	2000 L	1000 L
	40K (70 CRI)		2,320	2,440	1,600	1,460		2000 L	2000 L	2000 L	1000 L
	50K (90 CRI)		1,580	1,660	1,090	990		2000 L	2000 L	1000 L	1000 L
	57K (70 CRI)		2,320	2,440	1,600	1,460		2000 L	2000 L	2000 L	1000 L
Q1/X1	30K (70 CRI)	13	1,970	2,070	1,350	1,240	10	2000 L	2000 L	1000 L	1000 L
	40K (70 CRI)		2,050	2,160	1,410	1,290		2000 L	2000 L	1000 L	1000 L
	50K (90 CRI)		1,400	1,470	960	880		1000 L	1000 L	1000 L	1000 L
	57K (70 CRI)		2,050	2,160	1,410	1,290		2000 L	2000 L	1000 L	1000 L

Field Adjustable Output (Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:

The Field Adjustable Output option enables the OSQ area luminaires to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected Q setting and will be fully adjustable between the nine settings. When ordered with the N option, the luminaire will include an ANSI C136.15-2020 utility label that indicates the wattage (rounded to nearest 10W), the lumen output (rounded to nearest 1000 lumens), and the CCT of the luminaire at the selected lumen output. Additional dimming functionality is available when a dimming control (by others) is used in the 7-Pin receptacle.

Locked Lumen Output (X8/X7/X6/X5/X4/X3/X2/X1) Option Description:

The Locked Lumen Output option on this page permanently locks the lumen output on the OSQ area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected and will only be able to be adjusted down in the field through a dimming control (by others). When ordered with the N option, the luminaire will include a utility label that indicates the wattage, lumen output, and CCT of the setting selected.

Q & X Option Power & Lumen Data – 6L Lumen Package

Q/X Option Setting	CCT/CRI	System Watts 120-480V	Lumen Values				Utility Label Wattage	Utility Label Lumens			
			Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS		Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS
Q9 (Full Power)	30K (70 CRI)	37	5,475	5,750	3,760	3,440	40	5000 L	6000 L	4000 L	3000 L
	40K (70 CRI)		5,700	6,000	3,920	3,590		6000 L	6000 L	4000 L	4000 L
	50K (90 CRI)		3,880	4,080	2,670	2,440		4000 L	4000 L	3000 L	2000 L
	57K (70 CRI)		5,700	6,000	3,920	3,590		6000 L	6000 L	4000 L	4000 L
Q8/X8	30K (70 CRI)	34	5,200	5,475	3,580	3,280	30	5000 L	5000 L	4000 L	3000 L
	40K (70 CRI)		5,450	5,725	3,740	3,430		5000 L	6000 L	4000 L	3000 L
	50K (90 CRI)		3,700	3,890	2,540	2,330		4000 L	4000 L	3000 L	2000 L
	57K (70 CRI)		5,450	5,725	3,740	3,430		5000 L	6000 L	4000 L	3000 L
Q7/X7	30K (70 CRI)	32	4,990	5,250	3,430	3,140	30	5000 L	5000 L	3000 L	3000 L
	40K (70 CRI)		5,200	5,475	3,580	3,280		5000 L	5000 L	4000 L	3000 L
	50K (90 CRI)		3,550	3,730	2,440	2,230		4000 L	4000 L	2000 L	2000 L
	57K (70 CRI)		5,200	5,475	3,580	3,280		5000 L	5000 L	4000 L	3000 L
Q6/X6	30K (70 CRI)	30	4,820	5,075	3,320	3,040	30	5000 L	5000 L	3000 L	3000 L
	40K (70 CRI)		5,050	5,300	3,470	3,170		5000 L	5000 L	3000 L	3000 L
	50K (90 CRI)		3,430	3,610	2,360	2,160		3000 L	4000 L	2000 L	2000 L
	57K (70 CRI)		5,050	5,300	3,470	3,170		5000 L	5000 L	3000 L	3000 L
Q5/X5	30K (70 CRI)	28	4,420	4,650	3,040	2,780	30	4000 L	5000 L	3000 L	3000 L
	40K (70 CRI)		4,610	4,850	3,170	2,900		5000 L	5000 L	3000 L	3000 L
	50K (90 CRI)		3,140	3,300	2,160	1,980		3000 L	3000 L	2000 L	2000 L
	57K (70 CRI)		4,610	4,850	3,170	2,900		5000 L	5000 L	3000 L	3000 L
Q4/X4	30K (70 CRI)	25	4,010	4,220	2,760	2,530	30	4000 L	4000 L	3000 L	3000 L
	40K (70 CRI)		4,180	4,400	2,880	2,640		4000 L	4000 L	3000 L	3000 L
	50K (90 CRI)		2,840	2,990	1,960	1,790		3000 L	3000 L	2000 L	2000 L
	57K (70 CRI)		4,180	4,400	2,880	2,640		4000 L	4000 L	3000 L	3000 L
Q3/X3	30K (70 CRI)	23	3,710	3,900	2,550	2,340	20	4000 L	4000 L	3000 L	2000 L
	40K (70 CRI)		3,870	4,070	2,660	2,440		4000 L	4000 L	3000 L	2000 L
	50K (90 CRI)		2,630	2,770	1,810	1,660		3000 L	3000 L	2000 L	2000 L
	57K (70 CRI)		3,870	4,070	2,660	2,440		4000 L	4000 L	3000 L	2000 L
Q2/X2	30K (70 CRI)	20	3,340	3,510	2,300	2,100	20	3000 L	4000 L	2000 L	2000 L
	40K (70 CRI)		3,480	3,660	2,390	2,190		3000 L	4000 L	2000 L	2000 L
	50K (90 CRI)		2,370	2,490	1,630	1,490		2000 L	2000 L	2000 L	1000 L
	57K (70 CRI)		3,480	3,660	2,390	2,190		3000 L	4000 L	2000 L	2000 L
Q1/X1	30K (70 CRI)	18	2,950	3,100	2,030	1,860	20	3000 L	3000 L	2000 L	2000 L
	40K (70 CRI)		3,070	3,230	2,110	1,930		3000 L	3000 L	2000 L	2000 L
	50K (90 CRI)		2,090	2,200	1,440	1,320		2000 L	2000 L	1000 L	1000 L
	57K (70 CRI)		3,070	3,230	2,110	1,930		3000 L	3000 L	2000 L	2000 L

Field Adjustable Output (Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:

The Field Adjustable Output option enables the OSQ area luminaires to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected Q setting and will be fully adjustable between the nine settings. When ordered with the N option, the luminaire will include an ANSI C136.15-2020 utility label that indicates the wattage (rounded to nearest 10W), the lumen output (rounded to nearest 1000 lumens), and the CCT of the luminaire at the selected lumen output. Additional dimming functionality is available when a dimming control (by others) is used in the 7-Pin receptacle.

Locked Lumen Output (X8/X7/X6/X5/X4/X3/X2/X1) Option Description:

The Locked Lumen Output option on this page permanently locks the lumen output on the OSQ area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected and will only be able to be adjusted down in the field through a dimming control (by others). When ordered with the N option, the luminaire will include a utility label that indicates the wattage, lumen output, and CCT of the setting selected.

Q & X Option Power & Lumen Data – 9L Lumen Package

Q/X Option Setting	CCT/CRI	System Watts 120-480V	Lumen Values				Utility Label Wattage	Utility Label Lumens			
			Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS		Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS
Q9 (Full Power)	30K (70 CRI)	55	8,225	8,650	5,650	5,175	60	8000 L	9000 L	6000 L	5000 L
	40K (70 CRI)		8,550	9,000	5,875	5,400		9000 L	9000 L	6000 L	5000 L
	50K (90 CRI)		5,825	6,125	4,000	3,670		6000 L	6000 L	4000 L	4000 L
	57K (70 CRI)		8,550	9,000	5,875	5,400		9000 L	9000 L	6000 L	5000 L
Q8/X8	30K (70 CRI)	53	7,850	8,250	5,400	4,940	50	8000 L	8000 L	5000 L	5000 L
	40K (70 CRI)		8,150	8,575	5,600	5,125		8000 L	9000 L	6000 L	5000 L
	50K (90 CRI)		5,550	5,850	3,830	3,500		6000 L	6000 L	4000 L	4000 L
	57K (70 CRI)		8,150	8,575	5,600	5,125		8000 L	9000 L	6000 L	5000 L
Q7/X7	30K (70 CRI)	50	7,500	7,900	5,175	4,730	50	8000 L	8000 L	5000 L	5000 L
	40K (70 CRI)		7,825	8,225	5,375	4,930		8000 L	8000 L	5000 L	5000 L
	50K (90 CRI)		5,325	5,600	3,660	3,350		5000 L	6000 L	4000 L	3000 L
	57K (70 CRI)		7,825	8,225	5,375	4,930		8000 L	8000 L	5000 L	5000 L
Q6/X6	30K (70 CRI)	48	7,275	7,650	5,000	4,580	50	7000 L	8000 L	5000 L	5000 L
	40K (70 CRI)		7,550	7,950	5,200	4,760		8000 L	8000 L	5000 L	5000 L
	50K (90 CRI)		5,150	5,425	3,550	3,250		5000 L	5000 L	4000 L	3000 L
	57K (70 CRI)		7,550	7,950	5,200	4,760		8000 L	8000 L	5000 L	5000 L
Q5/X5	30K (70 CRI)	43	6,650	7,000	4,580	4,190	40	7000 L	7000 L	5000 L	4000 L
	40K (70 CRI)		6,925	7,275	4,760	4,360		7000 L	7000 L	5000 L	4000 L
	50K (90 CRI)		4,710	4,950	3,240	2,960		5000 L	5000 L	3000 L	3000 L
	57K (70 CRI)		6,925	7,275	4,760	4,360		7000 L	7000 L	5000 L	4000 L
Q4/X4	30K (70 CRI)	40	6,025	6,350	4,150	3,800	40	6000 L	6000 L	4000 L	4000 L
	40K (70 CRI)		6,275	6,600	4,320	3,950		6000 L	7000 L	4000 L	4000 L
	50K (90 CRI)		4,280	4,500	2,940	2,700		4000 L	5000 L	3000 L	3000 L
	57K (70 CRI)		6,275	6,600	4,320	3,950		6000 L	7000 L	4000 L	4000 L
Q3/X3	30K (70 CRI)	36	5,575	5,875	3,840	3,520	40	6000 L	6000 L	4000 L	4000 L
	40K (70 CRI)		5,800	6,100	3,990	3,650		6000 L	6000 L	4000 L	4000 L
	50K (90 CRI)		3,940	4,150	2,710	2,490		4000 L	4000 L	3000 L	2000 L
	57K (70 CRI)		5,800	6,100	3,990	3,650		6000 L	6000 L	4000 L	4000 L
Q2/X2*	30K (70 CRI)	32	5,025	5,275	3,450	3,160	30	5000 L	5000 L	3000 L	3000 L
	40K (70 CRI)		5,225	5,500	3,600	3,290		5000 L	6000 L	4000 L	3000 L
	50K (90 CRI)		3,560	3,740	2,450	2,240		4000 L	4000 L	2000 L	2000 L
	57K (70 CRI)		5,225	5,500	3,600	3,290		5000 L	6000 L	4000 L	3000 L
Q1/X1*	30K (70 CRI)	29	4,430	4,660	3,050	2,790	30	4000 L	5000 L	3000 L	3000 L
	40K (70 CRI)		4,610	4,850	3,170	2,900		5000 L	5000 L	3000 L	3000 L
	50K (90 CRI)		3,140	3,300	2,160	1,980		3000 L	3000 L	2000 L	2000 L
	57K (70 CRI)		4,610	4,850	3,170	2,900		5000 L	5000 L	3000 L	3000 L

* X2 and X1 options not available with 9L lumen package with UL voltage.

Field Adjustable Output (Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:

The Field Adjustable Output option enables the OSQ area luminaires to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected Q setting and will be fully adjustable between the nine settings. When ordered with the N option, the luminaire will include an ANSI C136.15-2020 utility label that indicates the wattage (rounded to nearest 10W), the lumen output (rounded to nearest 1000 lumens), and the CCT of the luminaire at the selected lumen output. Additional dimming functionality is available when a dimming control (by others) is used in the 7-Pin receptacle.

Locked Lumen Output (X8/X7/X6/X5/X4/X3/X2/X1) Option Description:

The Locked Lumen Output option on this page permanently locks the lumen output on the OSQ area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected and will only be able to be adjusted down in the field through a dimming control (by others). When ordered with the N option, the luminaire will include a utility label that indicates the wattage, lumen output, and CCT of the setting selected.

Q & X Option Power & Lumen Data – 11L Lumen Package

Q/X Option Setting	CCT/CRI	System Watts 120-480V	Lumen Values				Utility Label Wattage	Utility Label Lumens			
			Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS		Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS
Q9 (Full Power)	30K (70 CRI)	68	10,025	10,550	6,900	6,325	70	10000 L	11000 L	7000 L	6000 L
	40K (70 CRI)		10,450	11,000	7,200	6,600		10000 L	11000 L	7000 L	7000 L
	50K (90 CRI)		7,100	7,475	4,890	4,480		7000 L	7000 L	5000 L	4000 L
	57K (70 CRI)		10,450	11,000	7,200	6,600		10000 L	11000 L	7000 L	7000 L
Q8/X8	30K (70 CRI)	65	9,575	10,075	6,600	6,025	70	10000 L	10000 L	7000 L	6000 L
	40K (70 CRI)		9,975	10,500	6,875	6,300		10000 L	11000 L	7000 L	6000 L
	50K (90 CRI)		6,775	7,125	4,660	4,270		7000 L	7000 L	5000 L	4000 L
	57K (70 CRI)		9,975	10,500	6,875	6,300		10000 L	11000 L	7000 L	6000 L
Q7/X7	30K (70 CRI)	62	9,175	9,650	6,300	5,775	60	9000 L	10000 L	6000 L	6000 L
	40K (70 CRI)		9,550	10,050	6,575	6,025		10000 L	10000 L	7000 L	6000 L
	50K (90 CRI)		6,500	6,825	4,460	4,090		7000 L	7000 L	4000 L	4000 L
	57K (70 CRI)		9,550	10,050	6,575	6,025		10000 L	10000 L	7000 L	6000 L
Q6/X6	30K (70 CRI)	59	8,875	9,325	6,100	5,575	60	9000 L	9000 L	6000 L	6000 L
	40K (70 CRI)		9,250	9,725	6,350	5,825		9000 L	10000 L	6000 L	6000 L
	50K (90 CRI)		6,275	6,600	4,320	3,950		6000 L	7000 L	4000 L	4000 L
	57K (70 CRI)		9,250	9,725	6,350	5,825		9000 L	10000 L	6000 L	6000 L
Q5/X5	30K (70 CRI)	53	8,100	8,525	5,575	5,100	50	8000 L	9000 L	6000 L	5000 L
	40K (70 CRI)		8,450	8,900	5,825	5,325		8000 L	9000 L	6000 L	5000 L
	50K (90 CRI)		5,750	6,050	3,960	3,620		6000 L	6000 L	4000 L	4000 L
	57K (70 CRI)		8,450	8,900	5,825	5,325		8000 L	9000 L	6000 L	5000 L
Q4/X4	30K (70 CRI)	49	7,375	7,750	5,075	4,640	50	7000 L	8000 L	5000 L	5000 L
	40K (70 CRI)		7,675	8,075	5,275	4,840		8000 L	8000 L	5000 L	5000 L
	50K (90 CRI)		5,200	5,475	3,580	3,280		5000 L	5000 L	4000 L	3000 L
	57K (70 CRI)		7,675	8,075	5,275	4,840		8000 L	8000 L	5000 L	5000 L
Q3/X3	30K (70 CRI)	44	6,800	7,150	4,680	4,280	40	7000 L	7000 L	5000 L	4000 L
	40K (70 CRI)		7,075	7,450	4,870	4,460		7000 L	7000 L	5000 L	4000 L
	50K (90 CRI)		4,820	5,075	3,320	3,040		5000 L	5000 L	3000 L	3000 L
	57K (70 CRI)		7,075	7,450	4,870	4,460		7000 L	7000 L	5000 L	4000 L
Q2/X2	30K (70 CRI)	39	6,100	6,425	4,200	3,850	40	6000 L	6000 L	4000 L	4000 L
	40K (70 CRI)		6,375	6,700	4,380	4,010		6000 L	7000 L	4000 L	4000 L
	50K (90 CRI)		4,330	4,560	2,980	2,730		4000 L	5000 L	3000 L	3000 L
	57K (70 CRI)		6,375	6,700	4,380	4,010		6000 L	7000 L	4000 L	4000 L
Q1/X1	30K (70 CRI)	35	5,400	5,675	3,710	3,400	40	5000 L	6000 L	4000 L	3000 L
	40K (70 CRI)		5,625	5,925	3,870	3,550		6000 L	6000 L	4000 L	4000 L
	50K (90 CRI)		3,830	4,030	2,640	2,410		4000 L	4000 L	3000 L	2000 L
	57K (70 CRI)		5,625	5,925	3,870	3,550		6000 L	6000 L	4000 L	4000 L

Field Adjustable Output (Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:

The Field Adjustable Output option enables the OSQ area luminaires to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected Q setting and will be fully adjustable between the nine settings. When ordered with the N option, the luminaire will include an ANSI C136.15-2020 utility label that indicates the wattage (rounded to nearest 10W), the lumen output (rounded to nearest 1000 lumens), and the CCT of the luminaire at the selected lumen output. Additional dimming functionality is available when a dimming control (by others) is used in the 7-Pin receptacle.

Locked Lumen Output (X8/X7/X6/X5/X4/X3/X2/X1) Option Description:

The Locked Lumen Output option on this page permanently locks the lumen output on the OSQ area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected and will only be able to be adjusted down in the field through a dimming control (by others). When ordered with the N option, the luminaire will include a utility label that indicates the wattage, lumen output, and CCT of the setting selected.

Q & X Option Power & Lumen Data – 16L Lumen Package

Q/X Option Setting	CCT/CRI	System Watts 120-480V	Lumen Values				Utility Label Wattage	Utility Label Lumens			
			Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS		Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS
Q9 (Full Power)	30K (70 CRI)	97	14,650	15,400	10,075	9,225	100	15000 L	15000 L	10000 L	9000 L
	40K (70 CRI)		15,200	16,000	10,450	9,575		15000 L	16000 L	10000 L	10000 L
	50K (90 CRI)		10,325	10,875	7,100	6,525		10000 L	11000 L	7000 L	7000 L
	57K (70 CRI)		15,200	16,000	10,450	9,575		15000 L	16000 L	10000 L	10000 L
Q8/X8	30K (70 CRI)	93	13,975	14,700	9,600	8,800	90	14000 L	15000 L	10000 L	9000 L
	40K (70 CRI)		14,550	15,300	10,000	9,175		15000 L	15000 L	10000 L	9000 L
	50K (90 CRI)		9,850	10,375	6,775	6,225		10000 L	10000 L	7000 L	6000 L
	57K (70 CRI)		14,550	15,300	10,000	9,175		15000 L	15000 L	10000 L	9000 L
Q7/X7	30K (70 CRI)	87	13,375	14,075	9,200	8,425	90	13000 L	14000 L	9000 L	8000 L
	40K (70 CRI)		13,900	14,625	9,575	8,750		14000 L	15000 L	10000 L	9000 L
	50K (90 CRI)		9,450	9,950	6,500	5,950		9000 L	10000 L	7000 L	6000 L
	57K (70 CRI)		13,900	14,625	9,575	8,750		14000 L	15000 L	10000 L	9000 L
Q6/X6	30K (70 CRI)	84	12,950	13,625	8,900	8,150	80	13000 L	14000 L	9000 L	8000 L
	40K (70 CRI)		13,450	14,150	9,250	8,475		13000 L	14000 L	9000 L	8000 L
	50K (90 CRI)		9,150	9,625	6,300	5,775		9000 L	10000 L	6000 L	6000 L
	57K (70 CRI)		13,450	14,150	9,250	8,475		13000 L	14000 L	9000 L	8000 L
Q5/X5	30K (70 CRI)	76	11,825	12,450	8,150	7,450	80	12000 L	12000 L	8000 L	7000 L
	40K (70 CRI)		12,275	12,925	8,450	7,750		12000 L	13000 L	8000 L	8000 L
	50K (90 CRI)		8,350	8,775	5,750	5,250		8000 L	9000 L	6000 L	5000 L
	57K (70 CRI)		12,275	12,925	8,450	7,750		12000 L	13000 L	8000 L	8000 L
Q4/X4	30K (70 CRI)	70	10,750	11,300	7,400	6,775	70	11000 L	11000 L	7000 L	7000 L
	40K (70 CRI)		11,175	11,750	7,675	7,025		11000 L	12000 L	8000 L	7000 L
	50K (90 CRI)		7,575	7,975	5,225	4,780		8000 L	8000 L	5000 L	5000 L
	57K (70 CRI)		11,175	11,750	7,675	7,025		11000 L	12000 L	8000 L	7000 L
Q3/X3	30K (70 CRI)	62	9,925	10,450	6,825	6,250	60	10000 L	10000 L	7000 L	6000 L
	40K (70 CRI)		10,325	10,850	7,100	6,500		10000 L	11000 L	7000 L	7000 L
	50K (90 CRI)		7,000	7,375	4,820	4,420		7000 L	7000 L	5000 L	4000 L
	57K (70 CRI)		10,325	10,850	7,100	6,500		10000 L	11000 L	7000 L	7000 L
Q2/X2	30K (70 CRI)	55	8,925	9,400	6,150	5,625	60	9000 L	9000 L	6000 L	6000 L
	40K (70 CRI)		9,275	9,750	6,375	5,850		9000 L	10000 L	6000 L	6000 L
	50K (90 CRI)		6,300	6,625	4,330	3,970		6000 L	7000 L	4000 L	4000 L
	57K (70 CRI)		9,275	9,750	6,375	5,850		9000 L	10000 L	6000 L	6000 L
Q1*	30K (70 CRI)	50	7,900	8,300	5,425	4,970	50	8000 L	8000 L	5000 L	5000 L
	40K (70 CRI)		8,200	8,625	5,650	5,175		8000 L	9000 L	6000 L	5000 L
	50K (90 CRI)		5,550	5,850	3,830	3,500		6000 L	6000 L	4000 L	4000 L
	57K (70 CRI)		8,200	8,625	5,650	5,175		8000 L	9000 L	6000 L	5000 L

* X1 option not available with 16L lumen package.

Field Adjustable Output (Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:

The Field Adjustable Output option enables the OSQ area luminaires to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected Q setting and will be fully adjustable between the nine settings. When ordered with the N option, the luminaire will include an ANSI C136.15-2020 utility label that indicates the wattage (rounded to nearest 10W), the lumen output (rounded to nearest 1000 lumens), and the CCT of the luminaire at the selected lumen output. Additional dimming functionality is available when a dimming control (by others) is used in the 7-Pin receptacle.

Locked Lumen Output (X8/X7/X6/X5/X4/X3/X2/X1) Option Description:

The Locked Lumen Output option on this page permanently locks the lumen output on the OSQ area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected and will only be able to be adjusted down in the field through a dimming control (by others). When ordered with the N option, the luminaire will include a utility label that indicates the wattage, lumen output, and CCT of the setting selected.

Q & X Option Power & Lumen Data – 22L Lumen Package

Q/X Option Setting	CCT/CRI	System Watts 120-480V	Lumen Values				Utility Label Wattage	Utility Label Lumens			
			Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS		Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS
Q9 (Full Power)	30K (70 CRI)	131	20,100	21,100	13,800	12,625	130	20000 L	21000 L	14000 L	13000 L
	40K (70 CRI)		20,900	22,000	14,375	13,175		21000 L	22000 L	14000 L	13000 L
	50K (90 CRI)		14,200	14,950	9,775	8,950		14000 L	15000 L	10000 L	9000 L
	57K (70 CRI)		20,900	22,000	14,375	13,175		21000 L	22000 L	14000 L	13000 L
Q8/X8	30K (70 CRI)	126	19,100	20,100	13,150	12,050	130	19000 L	20000 L	13000 L	12000 L
	40K (70 CRI)		20,000	21,000	13,725	12,575		20000 L	21000 L	14000 L	13000 L
	50K (90 CRI)		13,550	14,250	9,325	8,525		14000 L	14000 L	9000 L	9000 L
	57K (70 CRI)		20,000	21,000	13,725	12,575		20000 L	21000 L	14000 L	13000 L
Q7/X7	30K (70 CRI)	119	18,300	19,300	12,625	11,550	120	18000 L	19000 L	13000 L	12000 L
	40K (70 CRI)		19,100	20,100	13,150	12,050		19000 L	20000 L	13000 L	12000 L
	50K (90 CRI)		13,000	13,675	8,950	8,200		13000 L	14000 L	9000 L	8000 L
	57K (70 CRI)		19,100	20,100	13,150	12,050		19000 L	20000 L	13000 L	12000 L
Q6/X6	30K (70 CRI)	114	17,800	18,700	12,225	11,200	110	18000 L	19000 L	12000 L	11000 L
	40K (70 CRI)		18,400	19,400	12,675	11,625		18000 L	19000 L	13000 L	12000 L
	50K (90 CRI)		12,575	13,225	8,650	7,925		13000 L	13000 L	9000 L	8000 L
	57K (70 CRI)		18,400	19,400	12,675	11,625		18000 L	19000 L	13000 L	12000 L
Q5/X5	30K (70 CRI)	103	16,200	17,000	11,125	10,175	100	16000 L	17000 L	11000 L	10000 L
	40K (70 CRI)		16,900	17,800	11,650	10,650		17000 L	18000 L	12000 L	11000 L
	50K (90 CRI)		11,475	12,075	7,900	7,225		11000 L	12000 L	8000 L	7000 L
	57K (70 CRI)		16,900	17,800	11,650	10,650		17000 L	18000 L	12000 L	11000 L
Q4/X4	30K (70 CRI)	95	14,725	15,500	10,125	9,275	100	15000 L	16000 L	10000 L	9000 L
	40K (70 CRI)		15,300	16,100	10,525	9,650		15000 L	16000 L	11000 L	10000 L
	50K (90 CRI)		10,425	10,975	7,175	6,575		10000 L	11000 L	7000 L	7000 L
	57K (70 CRI)		15,300	16,100	10,525	9,650		15000 L	16000 L	11000 L	10000 L
Q3/X3	30K (70 CRI)	84	13,600	14,300	9,350	8,575	80	14000 L	14000 L	9000 L	9000 L
	40K (70 CRI)		14,175	14,925	9,750	8,950		14000 L	15000 L	10000 L	9000 L
	50K (90 CRI)		9,625	10,125	6,625	6,075		10000 L	10000 L	7000 L	6000 L
	57K (70 CRI)		14,175	14,925	9,750	8,950		14000 L	15000 L	10000 L	9000 L
Q2/X2	30K (70 CRI)	75	12,250	12,875	8,425	7,700	80	12000 L	13000 L	8000 L	8000 L
	40K (70 CRI)		12,750	13,425	8,775	8,050		13000 L	13000 L	9000 L	8000 L
	50K (90 CRI)		8,675	9,125	5,975	5,475		9000 L	9000 L	6000 L	5000 L
	57K (70 CRI)		12,750	13,425	8,775	8,050		13000 L	13000 L	9000 L	8000 L
Q1/X1	30K (70 CRI)	68	10,825	11,375	7,450	6,825	70	11000 L	11000 L	7000 L	7000 L
	40K (70 CRI)		11,275	11,850	7,750	7,100		11000 L	12000 L	8000 L	7000 L
	50K (90 CRI)		7,650	8,050	5,275	4,820		8000 L	8000 L	5000 L	5000 L
	57K (70 CRI)		11,275	11,850	7,750	7,100		11000 L	12000 L	8000 L	7000 L

Field Adjustable Output (Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:

The Field Adjustable Output option enables the OSQ area luminaires to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected Q setting and will be fully adjustable between the nine settings. When ordered with the N option, the luminaire will include an ANSI C136.15-2020 utility label that indicates the wattage (rounded to nearest 10W), the lumen output (<= 24,000 lumens rounded to nearest 1000 lumens, > 24,001 lumens rounded to the nearest 2000 lumens), and the CCT of the luminaire at the selected lumen output. Additional dimming functionality is available when a dimming control (by others) is used in the 7-Pin receptacle.

Locked Lumen Output (X8/X7/X6/X5/X4/X3/X2/X1) Option Description:

The Locked Lumen Output option on this page permanently locks the lumen output on the OSQ area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected and will only be able to be adjusted down in the field through a dimming control (by others). When ordered with the N option, the luminaire will include a utility label that indicates the wattage, lumen output, and CCT of the setting selected.

Q & X Option Power & Lumen Data – 30L Lumen Package

Q/X Option Setting	CCT/CRI	System Watts 120-480V	Lumen Values				Utility Label Wattage	Utility Label Lumens			
			Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS		Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS
Q9 (Full Power)	30K (70 CRI)	175	27,400	28,800	18,800	17,200	130	28000 L	28000 L	19000 L	17000 L
	40K (70 CRI)		28,500	30,000	19,600	18,000		28000 L	30000 L	20000 L	18000 L
	50K (90 CRI)		19,400	20,400	13,350	12,225		19000 L	20000 L	13000 L	12000 L
	57K (70 CRI)		28,500	30,000	19,600	18,000		28000 L	30000 L	20000 L	18000 L
Q8/X8	30K (70 CRI)	168	26,100	27,500	18,000	16,500	170	26000 L	28000 L	18000 L	17000 L
	40K (70 CRI)		27,200	28,600	18,700	17,100		28000 L	28000 L	19000 L	17000 L
	50K (90 CRI)		18,500	19,500	12,750	11,675		19000 L	20000 L	13000 L	12000 L
	57K (70 CRI)		27,200	28,600	18,700	17,100		28000 L	28000 L	19000 L	17000 L
Q7/X7	30K (70 CRI)	158	25,000	26,300	17,200	15,800	160	26000 L	26000 L	17000 L	16000 L
	40K (70 CRI)		26,000	27,400	17,900	16,400		26000 L	28000 L	18000 L	16000 L
	50K (90 CRI)		17,700	18,600	12,150	11,150		18000 L	19000 L	12000 L	11000 L
	57K (70 CRI)		26,000	27,400	17,900	16,400		26000 L	28000 L	18000 L	16000 L
Q6/X6	30K (70 CRI)	152	24,200	25,500	16,700	15,300	150	24000 L	26000 L	17000 L	15000 L
	40K (70 CRI)		25,200	26,500	17,300	15,900		26000 L	26000 L	17000 L	16000 L
	50K (90 CRI)		17,100	18,000	11,775	10,775		17000 L	18000 L	12000 L	11000 L
	57K (70 CRI)		25,200	26,500	17,300	15,900		26000 L	26000 L	17000 L	16000 L
Q5/X5	30K (70 CRI)	137	22,100	23,300	15,200	13,950	140	22000 L	23000 L	15000 L	14000 L
	40K (70 CRI)		23,000	24,200	15,800	14,500		23000 L	24000 L	16000 L	15000 L
	50K (90 CRI)		15,700	16,500	10,800	9,875		16000 L	17000 L	11000 L	10000 L
	57K (70 CRI)		23,000	24,200	15,800	14,500		23000 L	24000 L	16000 L	15000 L
Q4/X4	30K (70 CRI)	126	20,100	21,100	13,800	12,625	130	20000 L	21000 L	14000 L	13000 L
	40K (70 CRI)		20,900	22,000	14,375	13,175		21000 L	22000 L	14000 L	13000 L
	50K (90 CRI)		14,225	14,975	9,800	8,975		14000 L	15000 L	10000 L	9000 L
	57K (70 CRI)		20,900	22,000	14,375	13,175		21000 L	22000 L	14000 L	13000 L
Q3/X3	30K (70 CRI)	113	18,500	19,500	12,750	11,675	110	19000 L	20000 L	13000 L	12000 L
	40K (70 CRI)		19,300	20,300	13,275	12,150		19000 L	20000 L	13000 L	12000 L
	50K (90 CRI)		13,150	13,825	9,050	8,275		13000 L	14000 L	9000 L	8000 L
	57K (70 CRI)		19,300	20,300	13,275	12,150		19000 L	20000 L	13000 L	12000 L
Q2/X2	30K (70 CRI)	100	16,700	17,600	11,500	10,550	100	17000 L	18000 L	12000 L	11000 L
	40K (70 CRI)		17,400	18,300	11,975	10,950		17000 L	18000 L	12000 L	11000 L
	50K (90 CRI)		11,825	12,450	8,150	7,450		12000 L	12000 L	8000 L	7000 L
	57K (70 CRI)		17,400	18,300	11,975	10,950		17000 L	18000 L	12000 L	11000 L
Q1*	30K (70 CRI)	90	14,725	15,500	10,125	9,275	90	15000 L	16000 L	10000 L	9000 L
	40K (70 CRI)		15,400	16,200	10,600	9,700		15000 L	16000 L	11000 L	10000 L
	50K (90 CRI)		10,450	11,000	7,200	6,600		10000 L	11000 L	7000 L	7000 L
	57K (70 CRI)		15,400	16,200	10,600	9,700		15000 L	16000 L	11000 L	10000 L

* X1 option not available with 30L lumen package.

Field Adjustable Output (Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:

The Field Adjustable Output option enables the OSQ area luminaires to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected Q setting and will be fully adjustable between the nine settings. When ordered with the N option, the luminaire will include an ANSI C136.15-2020 utility label that indicates the wattage (rounded to nearest 10W), the lumen output (<= 24,000 lumens rounded to nearest 1000 lumens, > 24,001 lumens rounded to the nearest 2000 lumens), and the CCT of the luminaire at the selected lumen output. Additional dimming functionality is available when a dimming control (by others) is used in the 7-Pin receptacle.

Locked Lumen Output (X8/X7/X6/X5/X4/X3/X2/X1) Option Description:

The Locked Lumen Output option on this page permanently locks the lumen output on the OSQ area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected and will only be able to be adjusted down in the field through a dimming control (by others). When ordered with the N option, the luminaire will include a utility label that indicates the wattage, lumen output, and CCT of the setting selected.

Q & X Option Power & Lumen Data – 40L Lumen Package

Q/X Option Setting	CCT/CRI	System Watts 120-480V	Lumen Values				Utility Label Wattage	Utility Label Lumens			
			Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS		Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS
Q9 (Full Power)	30K (70 CRI)	236	36,500	38,400	25,100	23,000	130	36000 L	38000 L	26000 L	23000 L
	40K (70 CRI)		38,000	40,000	26,200	24,000		38000 L	40000 L	26000 L	24000 L
	50K (90 CRI)		25,900	27,200	17,800	16,300		26000 L	28000 L	18000 L	16000 L
	57K (70 CRI)		38,000	40,000	26,200	24,000		38000 L	40000 L	26000 L	24000 L
Q8/X8	30K (70 CRI)	212	34,800	36,600	23,900	21,900	210	34000 L	36000 L	24000 L	22000 L
	40K (70 CRI)		36,300	38,200	25,000	22,900		36000 L	38000 L	26000 L	23000 L
	50K (90 CRI)		24,600	25,900	16,900	15,500		24000 L	26000 L	17000 L	16000 L
	57K (70 CRI)		36,300	38,200	25,000	22,900		36000 L	38000 L	26000 L	23000 L
Q7/X7	30K (70 CRI)	203	33,400	35,100	23,000	21,000	200	34000 L	36000 L	23000 L	21000 L
	40K (70 CRI)		34,800	36,600	23,900	21,900		34000 L	36000 L	24000 L	22000 L
	50K (90 CRI)		23,700	24,900	16,300	14,925		24000 L	24000 L	16000 L	15000 L
	57K (70 CRI)		34,800	36,600	23,900	21,900		34000 L	36000 L	24000 L	22000 L
Q6/X6	30K (70 CRI)	195	32,200	33,900	22,200	20,300	200	32000 L	34000 L	22000 L	20000 L
	40K (70 CRI)		33,600	35,400	23,100	21,200		34000 L	36000 L	23000 L	21000 L
	50K (90 CRI)		22,800	24,000	15,700	14,375		23000 L	24000 L	16000 L	14000 L
	57K (70 CRI)		33,600	35,400	23,100	21,200		34000 L	36000 L	23000 L	21000 L
Q5/X5	30K (70 CRI)	176	29,500	31,000	20,300	18,600	180	30000 L	32000 L	20000 L	19000 L
	40K (70 CRI)		30,700	32,300	21,100	19,300		30000 L	32000 L	21000 L	19000 L
	50K (90 CRI)		20,900	22,000	14,375	13,175		21000 L	22000 L	14000 L	13000 L
	57K (70 CRI)		30,700	32,300	21,100	19,300		30000 L	32000 L	21000 L	19000 L
Q4/X4	30K (70 CRI)	160	26,800	28,200	18,400	16,900	160	26000 L	28000 L	18000 L	17000 L
	40K (70 CRI)		27,900	29,400	19,200	17,600		28000 L	30000 L	19000 L	18000 L
	50K (90 CRI)		19,000	20,000	13,075	11,975		19000 L	20000 L	13000 L	12000 L
	57K (70 CRI)		27,900	29,400	19,200	17,600		28000 L	30000 L	19000 L	18000 L
Q3/X3	30K (70 CRI)	144	24,700	26,000	17,000	15,600	140	24000 L	26000 L	17000 L	16000 L
	40K (70 CRI)		25,800	27,100	17,700	16,200		26000 L	28000 L	18000 L	16000 L
	50K (90 CRI)		17,500	18,400	12,025	11,025		18000 L	18000 L	12000 L	11000 L
	57K (70 CRI)		25,800	27,100	17,700	16,200		26000 L	28000 L	18000 L	16000 L
Q2/X2	30K (70 CRI)	129	22,200	23,400	15,300	14,025	130	22000 L	23000 L	15000 L	14000 L
	40K (70 CRI)		23,200	24,400	16,000	14,625		23000 L	24000 L	16000 L	15000 L
	50K (90 CRI)		15,800	16,600	10,850	9,950		16000 L	17000 L	11000 L	10000 L
	57K (70 CRI)		23,200	24,400	16,000	14,625		23000 L	24000 L	16000 L	15000 L
Q1/X1	30K (70 CRI)	111	19,700	20,700	13,525	12,400	110	20000 L	21000 L	14000 L	12000 L
	40K (70 CRI)		20,500	21,600	14,125	12,925		21000 L	22000 L	14000 L	13000 L
	50K (90 CRI)		13,925	14,650	9,575	8,775		14000 L	15000 L	10000 L	9000 L
	57K (70 CRI)		20,500	21,600	14,125	12,925		21000 L	22000 L	14000 L	13000 L

Field Adjustable Output (Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:

The Field Adjustable Output option enables the OSQ area luminaires to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected Q setting and will be fully adjustable between the nine settings.

Locked Lumen Output (X8/X7/X6/X5/X4/X3/X2/X1) Option Description:

The Locked Lumen Output option on this page permanently locks the lumen output on the OSQ area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected and will only be able to be adjusted down in the field through a dimming control [by others].

Q & X Option Power & Lumen Data – 50L Lumen Package

Q/X Option Setting	CCT/CRI	System Watts 120-480V	Lumen Values			
			Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS
Q9 (Full Power)	30K (70 CRI)	297	45,600	48,000	31,400	28,700
	40K (70 CRI)		47,500	50,000	32,700	29,900
	50K (90 CRI)		32,300	34,000	22,200	20,400
	57K (70 CRI)		47,500	50,000	32,700	29,900
Q8/X8	30K (70 CRI)	285	43,500	45,800	29,900	27,400
	40K (70 CRI)		45,300	47,700	31,200	28,600
	50K (90 CRI)		30,800	32,400	21,200	19,400
	57K (70 CRI)		45,300	47,700	31,200	28,600
Q7/X7	30K (70 CRI)	269	41,700	43,900	28,700	26,300
	40K (70 CRI)		43,400	45,700	29,900	27,400
	50K (90 CRI)		29,600	31,100	20,300	18,600
	57K (70 CRI)		43,400	45,700	29,900	27,400
Q6/X6	30K (70 CRI)	258	40,300	42,400	27,700	25,400
	40K (70 CRI)		42,000	44,200	28,900	26,500
	50K (90 CRI)		28,600	30,100	19,700	18,000
	57K (70 CRI)		42,000	44,200	28,900	26,500
Q5/X5	30K (70 CRI)	233	36,900	38,800	25,400	23,200
	40K (70 CRI)		38,400	40,400	26,400	24,200
	50K (90 CRI)		26,100	27,500	18,000	16,500
	57K (70 CRI)		38,400	40,400	26,400	24,200
Q4/X4	30K (70 CRI)	215	33,500	35,200	23,000	21,100
	40K (70 CRI)		34,900	36,700	24,000	22,000
	50K (90 CRI)		23,800	25,000	16,300	14,975
	57K (70 CRI)		34,900	36,700	24,000	22,000
Q3/X3	30K (70 CRI)	191	30,900	32,500	21,300	19,500
	40K (70 CRI)		32,200	33,900	22,200	20,300
	50K (90 CRI)		22,000	23,100	15,100	13,825
	57K (70 CRI)		32,200	33,900	22,200	20,300
Q2/X2	30K (70 CRI)	170	27,900	29,300	19,200	17,500
	40K (70 CRI)		29,000	30,500	19,900	18,300
	50K (90 CRI)		19,700	20,700	13,525	12,400
	57K (70 CRI)		29,000	30,500	19,900	18,300
Q1/X1	30K (70 CRI)	153	24,600	25,900	16,900	15,500
	40K (70 CRI)		25,700	27,000	17,700	16,200
	50K (90 CRI)		17,400	18,300	11,975	10,950
	57K (70 CRI)		25,700	27,000	17,700	16,200

Field Adjustable Output (Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:

The Field Adjustable Output option enables the OSQ area luminaires to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected Q setting and will be fully adjustable between the nine settings.

Locked Lumen Output (X8/X7/X6/X5/X4/X3/X2/X1) Option Description:

The Locked Lumen Output option on this page permanently locks the lumen output on the OSQ area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected and will only be able to be adjusted down in the field through a dimming control [by others].

Q & X Option Power & Lumen Data – 65L Lumen Package

Q/X Option Setting	CCT/CRI	System Watts 120-480V	Lumen Values			
			Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS
Q9 (Full Power)	30K (70 CRI)	384	59,300	62,400	40,800	37,400
	40K (70 CRI)		61,800	65,000	42,500	38,900
	50K (90 CRI)		42,000	44,200	28,900	26,500
	57K (70 CRI)		61,800	65,000	42,500	38,900
Q8/X8	30K (70 CRI)	365	56,600	59,500	38,900	35,600
	40K (70 CRI)		58,900	62,000	40,500	37,100
	50K (90 CRI)		40,100	42,200	27,600	25,300
	57K (70 CRI)		58,900	62,000	40,500	37,100
Q7/X7	30K (70 CRI)	347	54,200	57,000	37,300	34,100
	40K (70 CRI)		56,500	59,400	38,800	35,600
	50K (90 CRI)		38,400	40,400	26,400	24,200
	57K (70 CRI)		56,500	59,400	38,800	35,600
Q6/X6	30K (70 CRI)	332	52,500	55,200	36,100	33,100
	40K (70 CRI)		54,700	57,500	37,600	34,400
	50K (90 CRI)		37,200	39,100	25,600	23,400
	57K (70 CRI)		54,700	57,500	37,600	34,400
Q5/X5	30K (70 CRI)	301	47,900	50,400	33,000	30,200
	40K (70 CRI)		49,900	52,500	34,300	31,400
	50K (90 CRI)		33,900	35,700	23,300	21,400
	57K (70 CRI)		49,900	52,500	34,300	31,400
Q4/X4	30K (70 CRI)	276	43,500	45,800	29,900	27,400
	40K (70 CRI)		45,300	47,700	31,200	28,600
	50K (90 CRI)		30,800	32,400	21,200	19,400
	57K (70 CRI)		45,300	47,700	31,200	28,600
Q3/X3	30K (70 CRI)	247	40,200	42,300	27,700	25,300
	40K (70 CRI)		41,900	44,100	28,800	26,400
	50K (90 CRI)		28,500	30,000	19,600	18,000
	57K (70 CRI)		41,900	44,100	28,800	26,400
Q2/X2	30K (70 CRI)	220	36,200	38,100	24,900	22,800
	40K (70 CRI)		37,700	39,700	26,000	23,800
	50K (90 CRI)		25,700	27,000	17,700	16,200
	57K (70 CRI)		37,700	39,700	26,000	23,800
Q1*	30K (70 CRI)	195	31,900	33,600	22,000	20,100
	40K (70 CRI)		33,300	35,000	22,900	21,000
	50K (90 CRI)		22,600	23,800	15,600	14,250
	57K (70 CRI)		33,300	35,000	22,900	21,000

* X1 option not available with 65L lumen package.

Field Adjustable Output (Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:

The Field Adjustable Output option enables the OSQ area luminaires to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected Q setting and will be fully adjustable between the nine settings.

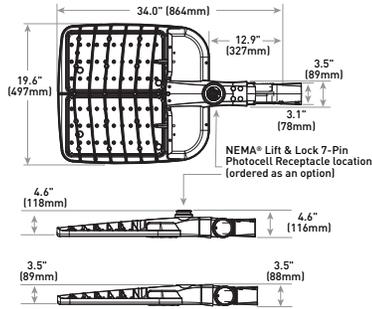
Locked Lumen Output (X8/X7/X6/X5/X4/X3/X2/X1) Option Description:

The Locked Lumen Output option on this page permanently locks the lumen output on the OSQ area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected and will only be able to be adjusted down in the field through a dimming control [by others].

Q & X Option Power & Lumen Data – 75L Lumen Package

Q/X Option Setting	CCT/CRI	System Watts 120-480V	Lumen Values			
			Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS
Q9 (Full Power)	30K (70 CRI)	447	68,400	72,000	47,100	43,100
	40K (70 CRI)		71,300	75,000	49,000	44,900
	50K (90 CRI)		48,500	51,000	33,300	30,500
	57K (70 CRI)		71,300	75,000	49,000	44,900
Q8/X8	30K (70 CRI)	426	65,300	68,700	44,900	41,100
	40K (70 CRI)		68,100	71,600	46,800	42,900
	50K (90 CRI)		46,300	48,700	31,800	29,200
	57K (70 CRI)		68,100	71,600	46,800	42,900
Q7/X7	30K (70 CRI)	404	62,500	65,800	43,000	39,400
	40K (70 CRI)		65,200	68,600	44,900	41,100
	50K (90 CRI)		44,300	46,600	30,500	27,900
	57K (70 CRI)		65,200	68,600	44,900	41,100
Q6/X6	30K (70 CRI)	387	60,500	63,600	41,600	38,100
	40K (70 CRI)		63,000	66,300	43,400	39,700
	50K (90 CRI)		42,900	45,100	29,500	27,000
	57K (70 CRI)		63,000	66,300	43,400	39,700
Q5/X5	30K (70 CRI)	350	55,300	58,200	38,100	34,900
	40K (70 CRI)		57,600	60,600	39,600	36,300
	50K (90 CRI)		39,200	41,200	26,900	24,700
	57K (70 CRI)		57,600	60,600	39,600	36,300
Q4/X4	30K (70 CRI)	321	50,200	52,800	34,500	31,600
	40K (70 CRI)		52,400	55,100	36,000	33,000
	50K (90 CRI)		35,600	37,400	24,500	22,400
	57K (70 CRI)		52,400	55,100	36,000	33,000
Q3/X3	30K (70 CRI)	287	46,400	48,800	31,900	29,200
	40K (70 CRI)		48,400	50,900	33,300	30,500
	50K (90 CRI)		32,900	34,600	22,600	20,700
	57K (70 CRI)		48,400	50,900	33,300	30,500
Q2/X2	30K (70 CRI)	256	41,700	43,900	28,700	26,300
	40K (70 CRI)		43,500	45,800	29,900	27,400
	50K (90 CRI)		29,600	31,100	20,300	18,600
	57K (70 CRI)		43,500	45,800	29,900	27,400
Q1/X1	30K (70 CRI)	227	36,900	38,800	25,400	23,200
	40K (70 CRI)		38,400	40,400	26,400	24,200
	50K (90 CRI)		26,100	27,500	18,000	16,500
	57K (70 CRI)		38,400	40,400	26,400	24,200

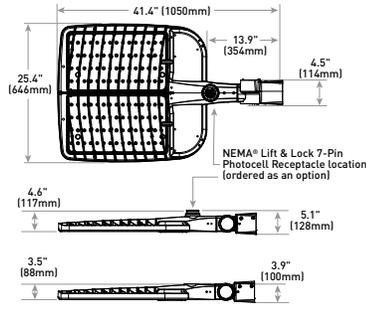
OSQL - AA Mount



Luminaire	Weight
OSQL	28.4 lbs. [12.9kg]

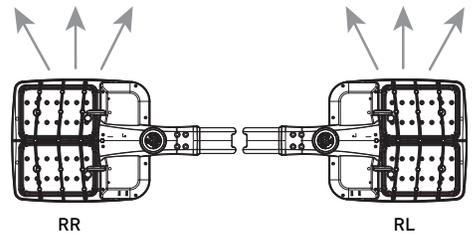
Note: For OSQM w/AA mount, refer to drawing on page 1.

OSQX - AA Mount

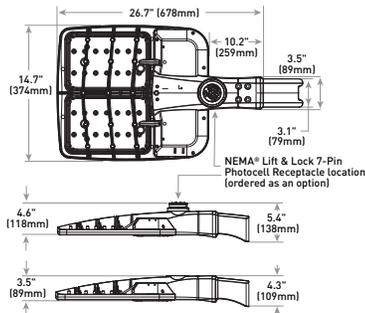


Luminaire	Weight
OSQX	48.6 lbs. [22.0kg]

RR/RL Configuration



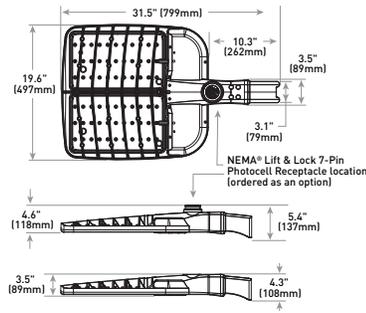
OSQM - DA Mount



Luminaire	Weight
OSQM	19.7 lbs. [8.9kg]

Note: Refer to page 14 for fixture mounting drill pattern.

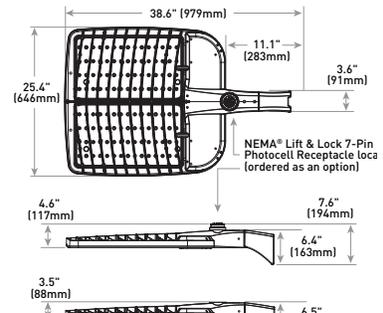
OSQL - DA Mount



Luminaire	Weight
OSQL	28.8 lbs. [13.1kg]

Note: Refer to page 14 for fixture mounting drill pattern.

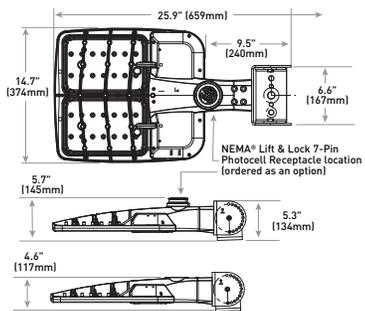
OSQX-DA Mount



Luminaire	Weight
OSQX	45.8 lbs. [20.8kg]

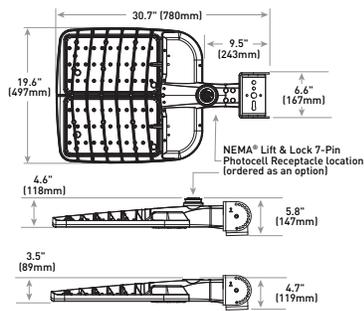
Note: Refer to page 14 for fixture mounting drill pattern.

OSQM - Trunnion Mount



Luminaire	Weight
OSQM	23.2 lbs. [10.5kg]

OSQL - Trunnion Mount



Luminaire	Weight
OSQL	32.3 lbs. [14.7kg]

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Catalog Number
Notes
Type

FEATURES & SPECIFICATIONS

INTENDED USE

Provides years of maintenance-free illumination for outdoor use in residential & commercial applications. Ideal for applications such as lighting walkways and stairways for safety and security.

CONSTRUCTION

Cast-aluminum housing with corrosion-resistant paint in either dark bronze or white finish.

ADA compliant.

OPTICS

4000K CCT LEDs.

Polycarbonate lens protects the LED from moisture, dirt and other contaminants.

LUMEN MAINTENANCE: The LED will deliver 70% of its initial lumens at 50,000 hour average LED life. See Lighting Facts label on page 2 for performance details.

ELECTRICAL

MVOLT driver operates on any line voltage from 120-277V

Operating temperature -30°C to 40°C.

1KV surge protection standard.

INSTALLATION

Surface mounts to universal junction box (provided by others).

LISTINGS

UL Listed to U.S. and Canadian safety standards for wet locations.

Tested in accordance with IESNA LM-79 and LM-80 standards.

WARRANTY — 5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at:

www.acuitybrands.com/support/customer-support/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application.

All values are design or typical values, measured under laboratory conditions at 25 °C.

Specifications subject to change without notice.

Outdoor General Purpose

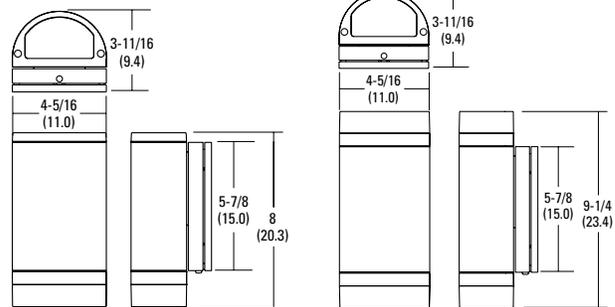
OLLWD & OLLWU

LED WALL CYLINDER LIGHT



Specifications

All dimensions are inches (centimeters)



CONTRACTOR TO VERIFY THAT FIXTURES CAN BE MOUNTED PER PLAN AND ALL NECESSARY HARDWARE IS SPECIFIED FOR INSTALLATION PRIOR TO PURCHASING

ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: OLLWD LED P1 40K MVOLT DDB

Series	Performance Package	Color temperature (CCT)	Voltage	Finish
OLLWD LED Downlight	P1	40K 4000K	MVOLT 120V-277V	DDB Dark bronze
OLLWU LED Up & downlight			120 120V ¹	WH White ²

Notes

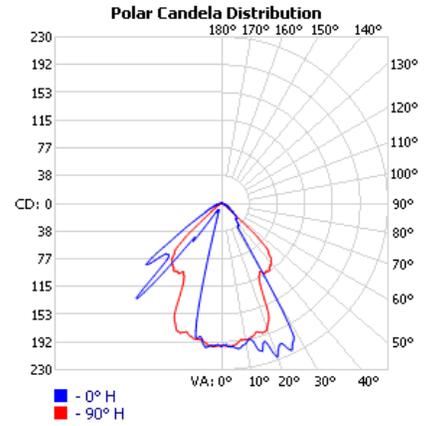
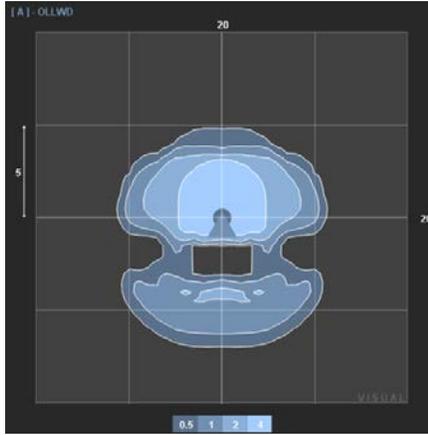
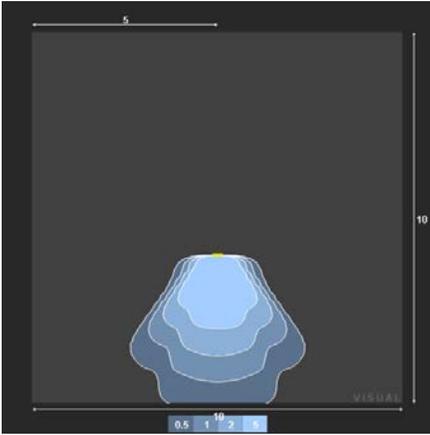
1. Only available with OLLWU and in DDB.
2. Only available with OLLWU.

OLLWD & OLLWU LED Wall Cylinder Light

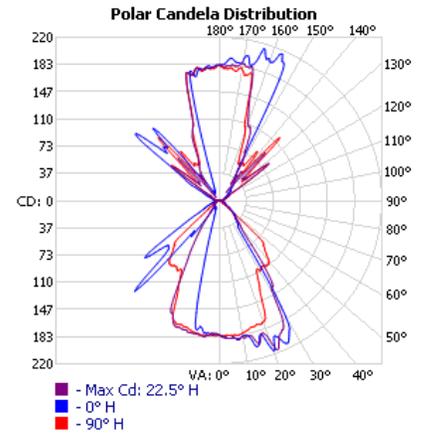
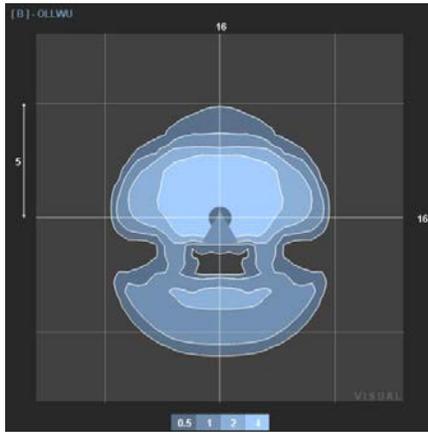
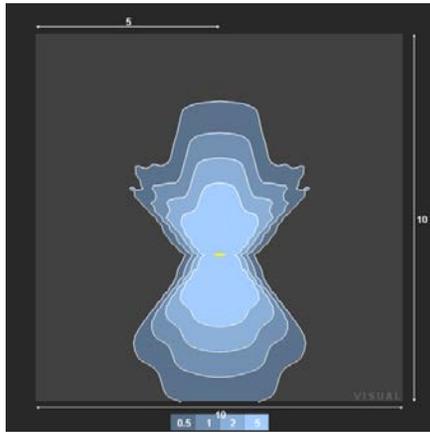
PHOTOMETRICS

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's Outdoor LED homepage
 Tested in accordance with IESNA LM-79 and LM-80 standards.

OLLWD



OLLWU



OLLWD

Lithonia Lighting

LED lighting facts
 A Program of the U.S. DOE

Light Output (Lumens)	533
Watts	9.1
Lumens per Watt (Efficacy)	58.63

Color Accuracy
 Color Rendering Index (CRI) 70

Light Color
 Correlated Color Temperature (CCT) 4000 (Bright White)

2700K 3000K 4500K 6500K

Warm White Bright White Daylight

All results are according to IESNA LM-79-2008. Approved Method for the Electrical and Photometric Testing of Solid State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit www.lightingfacts.com for the Label Reference Guide.

Registration Number: NJSM-W81YMF (7/22/2018)
 Model Number: OLLWD LED P1 40K XXXXX XXX
 Type: Luminaire - Other

OLLWU

Lithonia Lighting

LED lighting facts
 A Program of the U.S. DOE

Light Output (Lumens)	947
Watts	14
Lumens per Watt (Efficacy)	67.64

Color Accuracy
 Color Rendering Index (CRI) 70

Light Color
 Correlated Color Temperature (CCT) 4000 (Bright White)

2700K 3000K 4500K 6500K

Warm White Bright White Daylight

All results are according to IESNA LM-79-2008. Approved Method for the Electrical and Photometric Testing of Solid State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit www.lightingfacts.com for the Label Reference Guide.

Registration Number: NJSM-Y79W8B (7/22/2018)
 Model Number: OLLWU LED P1 40K XXXXX XXX
 Type: Luminaire - Other

PROJECT COMMENTS



CITY OF ROCKWALL
385 S. GOLIAD STREET
ROCKWALL, TEXAS 75087
PHONE: (972) 771-7700

DATE: 10/27/2023

PROJECT NUMBER: SP2023-037
PROJECT NAME: Site Plan for Arms of America
SITE ADDRESS/LOCATIONS: 1601 E INTERSTATE 30

CASE CAPTION: Discuss and consider a request by Bart Gardner and James Belt of Gardner Construction on behalf of Corey Fleck of C2LA, LLC for the approval of a Site Plan for a Light Industrial Building on a 6.50-acre tract of land identified as Tracts 3-1, 3-2, 3-3 & 3-4 of the J. Lockhart Survey, Abstract No. 134 and Lots 1 & 2, Block A, Eastplex Inc. Park #2 Addition, City of Rockwall, Rockwall County, Texas, zoned Light Industrial (LI) District and Commercial (C) District, situated within the IH-30 Overlay (IH-30 OV) District and the SH-205 By-Pass Overlay (SH-205 BY-OV) District, generally located at the northwest corner of the intersection of the IH-30 Frontage Road and Enterprise Drive, and take any action necessary.

DEPARTMENT	REVIEWER	DATE OF REVIEW	STATUS OF PROJECT
PLANNING	Henry Lee	10/26/2023	Needs Review

10/26/2023: Please address the following comments (M= Mandatory Comments; I = Informational Comments)

I.1 This is a request by Bart Gardner and James Belt of Gardner Construction on behalf of Corey Fleck of C2LA, LLC for the approval of a Site Plan for a Light Industrial Building on a 6.50-acre tract of land identified as Tracts 3-1, 3-2, 3-3 & 3-4 of the J. Lockhart Survey, Abstract No. 134 and Lots 1 & 2, Block A, Eastplex Inc. Park #2 Addition, City of Rockwall, Rockwall County, Texas, zoned Light Industrial (LI) District and Commercial (C) District, situated within the IH-30 Overlay (IH-30 OV) District and the SH-205 By-Pass Overlay (SH-205 BY-OV) District, generally located at the northwest corner of the intersection of the IH-30 Frontage Road and Enterprise Drive.

I.2 For questions or comments concerning this case please contact Henry Lee in the Planning Department at (972) 772-6434 or email hlee@rockwall.com.

M.3 For reference, include the case number (SP2023-037) in the lower right-hand corner of all pages of all revised plan submittals. (Subsection 01.02(D), Article 11, Unified Development Code [UDC])

M.4 Please remove all proposed signage from the site plan and building elevations. All signage will be covered by a separate permit. (Subsection 06.02. F, of Article 05, UDC)

I.5 The subject property will be required to replat if any lot lines are adjusted, ROW is required, or any new easements are established.

M.6 Provide the standard signature block with signature space for the Planning and Zoning Chairman and the Planning Director on all pages of the plans. Also remove the red placeholder text from the signature block. (Subsection 03.04. A, of Article 11, UDC)

APPROVED:

I hereby certify that the above and foregoing site plan for a development in the City of Rockwall, Texas, was approved by the Planning & Zoning Commission of the City of Rockwall on the ____ day of _____, _____.

WITNESS OUR HANDS, this ____ day of _____, _____.

Planning & Zoning Commission, Chairman

Director of Planning and Zoning

M.7 Site Plan:

- (1) Please include the lot size in both acres and square feet in the Site Data. (Subsection 03.04. B, of Article 11, UDC)
- (2) Please include the perimeter dimensions of the proposed building. (Subsection 03.04. B, of Article 11, UDC)
- (3) Please indicate the front building setback, which is 25-feet. (Subsection 03.04. B, of Article 11, UDC)
- (4) Please indicate any existing or proposed fire hydrants, and indicate any proposed fire lane. Fire lane should be labeled as, Fire Lane, Public Access, and Utility Easement. (Subsection 03.04. B, of Article 11, UDC)
- (5) Based on the Master Thoroughfare Plan (MTP) the right-of-way indicated south of the existing building needs to be swapped for the internal road. (Subsection 03.04. B, of Article 11, UDC)
- (6) The warehouse square footage is different on the site plan vs. the parking table. Please correct this. (Subsection 03.04. B, of Article 11, UDC)
- (7) Please indicate any existing or proposed fence. The height and material should also be included. Please provide a detail for any proposed fencing. (Subsection 08.02. F, of Article 08, UDC)
- (8) Is there any pad mounted utility equipment? If so, please indicate then and provide the required screening on the landscape plan. (Subsection 01.05. C, of Article 05, UDC)
- (9) Are there any RTUs? If so, please crosshatch the RTUs on the building elevations (RTUs must be fully screened by an enclosed parapet system). (Subsection 01.05. C, of Article 05, UDC)
- (10) Please provide a dumpster detail that addresses the dumpster enclosure requirements, which are as follows. Trash/Recycling enclosures shall be four (4) sided. These receptacles shall be 12'x10' and be screened by a minimum eight (8) foot, solid masonry dumpster enclosure that utilizes the same masonry materials as the primary building and incorporates an opaque, self-latching gate. The enclosure must be surrounded in 5-gallon evergreen shrubs. (Subsection 01.05. B, of Article 05, UDC)
- (11) Please provide a note that there shall not be any outside storage; as outside storage is not permitted within the IH-30 Overlay District. (Subsection 03.04. B, of Article 11, UDC)

M.8 Landscape Plan:

- (1) Provide the same site data information required in Section 2.1 Site Plan: Miscellaneous and Density and Dimensional Requirements of this checklist. (See Sec. 2.1 of the Site Plan checklist)
- (2) Landscape Table revisions: (Subsection 05.03. B, of Article 08, UDC)
 - (a) All canopy tree shall be 4" caliper.
 - (b) All shrubs shall be 5-gallon.
 - (c) Desert Willow only needs to be 4' at the time of planting.
- (3) The landscape buffer is 10-feet along the "internal road." (Subsection 05.03. B, of Article 08, UDC)
- (4) Please delineate the 20-foot landscape buffer along the E. I-30 Frontage road and the 10-foot landscape buffer along Enterprise Drive. (Subsection 05.03. B, of Article 08, UDC)
- (5) Within the 10-foot landscape buffer there should be a berm, and one (1) canopy and one (1) accent tree per 50 linear feet (i.e. there should be four (4) canopy trees and four (4) accent trees). (Subsection 05.03. B, of Article 08, UDC)
- (6) The detention pond is required to have one (1) canopy tree per 750 SF and one (1) accent tree per 1,500 SF of detention area. Consider putting this landscaping along the north property line. This would continue the same design scheme as the landscaping on the east property line. (Subsection 05.03. D, of Article 08, UDC)
- (7) Provide note indicating irrigation will meet requirements of UDC. (Subsection 05.04, of Article 08, UDC)

M.9 Photometric Plan:

- (1) Provide the same site data information required in Section 2.1 Site Plan: Miscellaneous and Density and Dimensional Requirements of this checklist. (See Sec. 2.1 of the Site Plan checklist)
- (2) The foot-candles cannot exceed 0.2 FC at the property lines. (Subsection 03.03. G, of Article 07)
- (3) No light pole, base or combination thereof shall exceed 20 feet. (Subsection 03.03. D, of Article 07)
- (4) Up lighting is not permitted for any of the proposed light fixtures. (Subsection 03.03, of Article 07)

M.10 Building Elevations:

- (1) Exterior walls should consist of 90% masonry materials excluding doors and windows. This will be a variance. (Subsection 05.01. A, of Article 05, UDC)
- (2) At least 20% natural or quarried stone shall be utilized on each façade. This will be a variance. (Subsection 05.01. A, of Article 05, UDC)
- (3) The minimum roof pitch is 6:12, please correct any that do not comply. (Subsection 05.01, of Article 05, UDC)
- (4) The articulation requirement for wall length (i.e. wall length = 4 x height) is not met. (Subsection 05.01, of Article 05, UDC)

I.11 Staff has identified the following exception(s) and variance(s) associated with the proposed request: [1] 20% stone, [2] 90% masonry material, and [3] primary articulation. Should you decide to request these items as variance(s)/exception(s), please provide a letter that lists the variance(s)/exception(s), why they are being requested, and the subsequent compensatory measures. For each variance/exception requested the UDC requires two (2) compensatory measures (Subsection 09.01, of Article 11). Examples of compensatory measures include the increased use of masonry material or stone, increased articulation, increased architectural elements, more pedestrian amenity, larger landscape planting sizes, etc. Consider [1] providing a row of landscaping, composed of evergreen shrubs and accent trees, along the west and north sides of the proposed building, and [2] continue the stone wainscot along the east side of the building; these could work as good compensatory measures for the requested variances.

I.12 Please note that failure to address all comments provided by staff by 3:00 PM on November 7, 2023 will result in the automatic denial of the case on the grounds of an incomplete submittal. No refund will be given for cases that are denied due to an incomplete submittal, and a new application and fee will be required to resubmit the case.

I.13 Staff has identified the aforementioned items necessary to continue the submittal process. Please make these revisions and corrections, and provide any additional information that is requested. Revisions for this case will be due on November 7, 2023; however, it is encouraged for applicants to submit revisions as soon as possible to give staff ample time to review the case prior to the November 14, 2023 Planning & Zoning Meeting.

I.14 Please note the scheduled meetings for this case:

- 1) Planning & Zoning Work Session meeting will be held on November 1, 2023.
- 2) Planning & Zoning meeting/public hearing meeting will be held on November 14, 2023.

I.15 All meetings will be held in person and in the City's Council Chambers. All meetings listed above are scheduled to begin at 6:00 p.m. (P&Z). A representative(s) must be present for these meetings. During the upcoming work session meeting with the Planning and Zoning Commission, representative(s) are expected to present their case and answer any questions the Planning Commission may have regarding this request.

DEPARTMENT	REVIEWER	DATE OF REVIEW	STATUS OF PROJECT
ENGINEERING	Madelyn Price	10/24/2023	Approved w/ Comments

- 10/24/2023: 1. You will need to get acquire easement from property owner for this 20' easement.
2. Is this a water main stub? Please label.
 3. Show as 60' of dedicated ROW.
 4. 10' Utility easement along all roadways.
 5. 12" main, 12" and 6" valves.
 6. Dimension these parking spaces.
 7. 10' minimum from sewer main and the building.
 8. 5/8" or 1"... no 1/2"
 9. Property line?
 10. Will the 8" loop be able to provide for the 12"? one off the 8" may need to be a 12".

General Library Comments:

General Items:

- Must meet City 2023 Standards of Design and Construction
- 4% Engineering Inspection Fees
- Impact Fees (Water, Wastewater & Roadway)
- Minimum easement width is 20'. No structures allowed in easements.
- Retaining walls 3' and over must be engineered.
- All retaining walls must be rock or stone face. No smooth concrete walls.

Drainage Items:

- Detention is required. Calculations based by zoning. Detention is not allowed in flood plain.
- Detention pond shall be in a drainage easement.
- Dumpster to go through oil/water separator before draining to the storm lines.

- Will need a flood study if you are touching the existing floodplain.
- Building FF will need to be 2' above the floodplain elevation and 100-yr WSEL of detention pond, and parking to be 1' above floodplain.

Water and Wastewater Items:

- 8" water will need to be looped in around the site.
- Water main is located along IH30 and Justin Road. Water main must be extended along Enterprise Road.
- Only one "use" can be off a dead-end water line (Domestic service, irrigation, fire hydrant, or fire line).
- Sanitary sewer is located on the west side of the property in a 15' easement. No structures may be placed within this easement.
- Commercial sanitary sewer service line size is minimum 6" and must connect to a manhole.
- Water to be 10' separated from storm and sewer lines.
- City's Master Water plan calls for a 12" water main to cross the southeast corner of the property.

Roadway Paving Items:

- Parking will not be allowed to back onto public roadway
- Parking to be 20'x9'.
- Drive isles to be 24' wide.
- No dead end parking allowed. Must connect through or have a turnaround.
- All new paving to be reinforced concrete.
- Must verify that there is 50' ROW for Enterprise Dr. Fire Department will need minimum 24' of all weather surface (gravel and asphalt not allowed to be used) from IH-30 to site. Must have an approved turn around.
- City's master thoroughfare plan calls for a 4 lane roadway within a 65' ROW in this area. Dedicate 32.5' of ROW will be required and pave 24' to meet City Standards.
- Enterprise will need underground storm sewer.

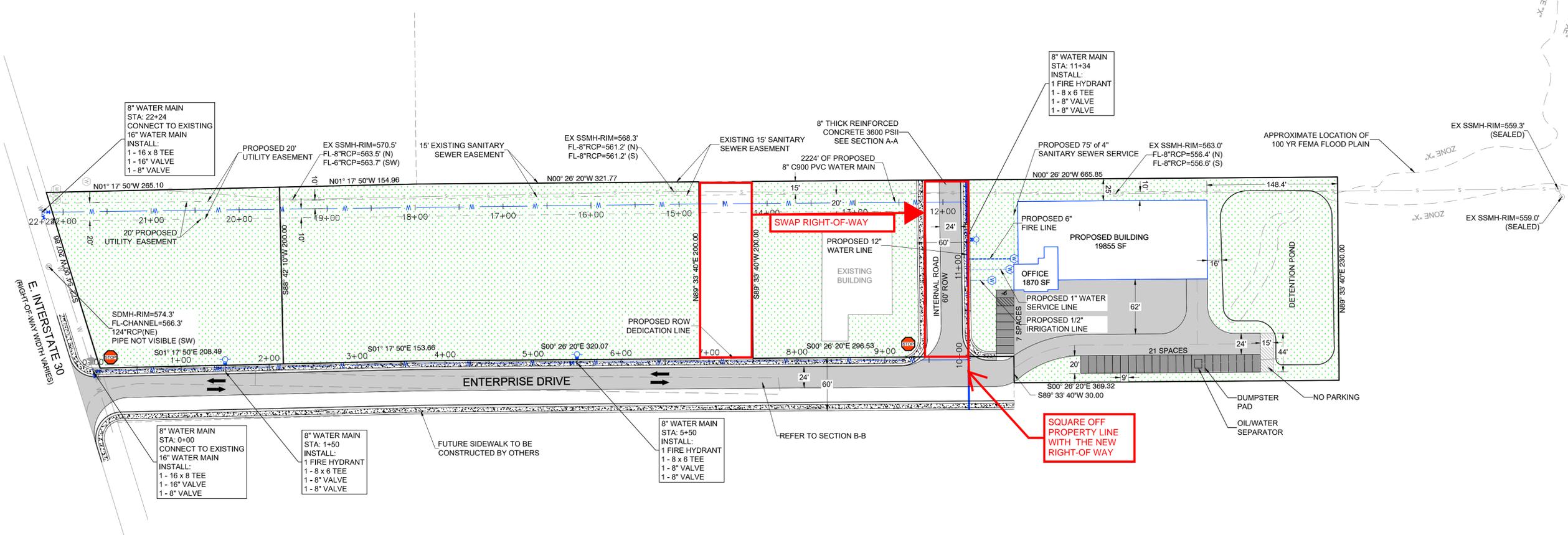
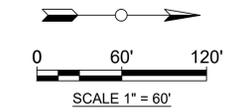
Landscaping:

- No trees to be with 10' of any public water, sewer or storm line that is 10" in diameter or larger.
- No trees to be with 5' of any public water, sewer, or storm line that is less than 10".

DEPARTMENT	REVIEWER	DATE OF REVIEW	STATUS OF PROJECT
BUILDING	Craig Foshee	10/27/2023	Approved
No Comments			
DEPARTMENT	REVIEWER	DATE OF REVIEW	STATUS OF PROJECT
FIRE	Ariana Kistner	10/26/2023	Approved
No Comments			
DEPARTMENT	REVIEWER	DATE OF REVIEW	STATUS OF PROJECT
GIS	Lance Singleton	10/23/2023	Approved
No Comments			
DEPARTMENT	REVIEWER	DATE OF REVIEW	STATUS OF PROJECT
POLICE	Chris Cleveland	10/24/2023	Approved
No Comments			
DEPARTMENT	REVIEWER	DATE OF REVIEW	STATUS OF PROJECT
PARKS	Travis Sales	10/24/2023	Approved w/ Comments

- 10/24/2023: 1. Monterey Oak is approved for use on this site.
 2. All shade / canopy trees are required to be 4" caliper minimum per ordinance
 3. Tifway 419 is a great turfgrass, but nay new varieties are better with drought tolerance, wear tolerance, shade tolerance and cold tolerance such as Tiftuf or Tahoma 31.

4. Please provide detention pond landscape calculations



- NOTES:**
- CONTRACTOR SHALL FIELD LOCATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.
 - ONLY VISUALLY APPARENT UTILITIES SHOWN ON THE PLANS. CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH ANY UNDERGROUND UTILITY PROVIDERS THAT EXISTS IN THE AREA.
 - WATER AND SANITARY SEWER LINES SHALL MAINTAIN A MINIMUM OF 10' SEPARATION.
 - CONTRACTOR TO COORDINATE WITH THE PROPERTY OWNER WHEN REPLACING THE CONCRETE DRIVE TO NOT TO INTERRUPT TRAFFIC FLOW TO/FROM THE LOT.
- PRIVATE UTILITY NOTE:**
- "ALL WASTEWATER WORK DESIGNATED AS "PRIVATE" IN THIS SET OF PLANS SHALL BE INSTALLED IN ACCORDANCE WITH THE INTERNATIONAL PLUMBING CODE, PERMITTED AND INSPECTED BY THE CITY BUILDING INSPECTION DEPARTMENT AND INSTALLED BY A LICENSED PLUMBER."

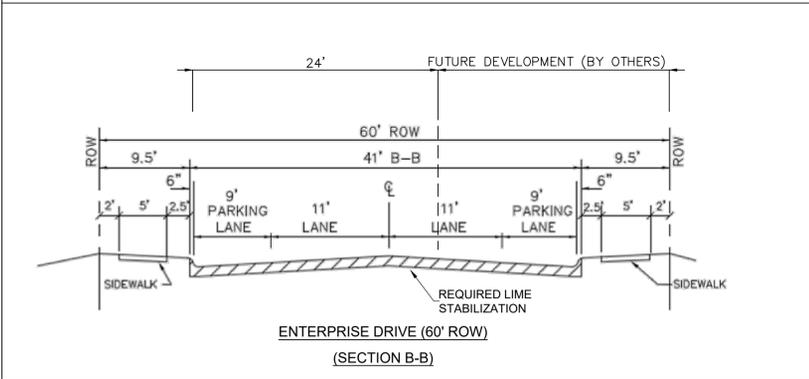
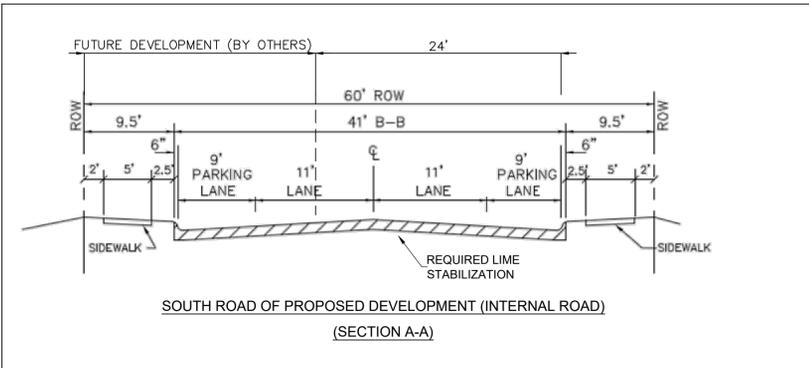
SITE DATA:

TOTAL SITE AREA = 6.58 AC
 TOTAL GREEN SPACE / LANDSCAPE AREA = 5.14 AC
 NO. OF PROPOSED BUILDINGS = 1
 PARKING DIMENSIONS = 9' X 20'

WAREHOUSE AND OFFICE PARKING CALCULAITONS					
No. OF BUILDING	TOTAL FLOOR AREA (SF)	BUILDING TYPE	PARKING CRITERIA	PARKING REQUIRED	PARKING PROVIDED
1	17985	WAREHOUSE WITH INSIDE STORAGE	1\1000 SF	18	20
1	1870	OFFICES	1\300 SF	6	7
HANDICAPPED PARKING SPACES			1/25 SPACES		1
TOTAL PARKING SPACES				24	28

NOTE:

PAVING THICKNESS SHOWN IN PLANS IS FOR INFORMATION PURPOSE ONLY. THE OWNER IS RESPONSIBLE FOR CONTACTING A GEOTECH ENGINEER FOR ALL SOIL RELATED WORKS SUCH AS PAVING, FOUNDATION, EARTHWORK, AND RETAINING WALLS.



NOT FOR CONSTRUCTION

No.	Revision/Issue	Date

Firm Name and Address

TURNKEY TRACT
 2770 MAIN ST #171
 FRISCO, TX 75033
 F-22283
 nkcivilengineer4@gmail.com
 214-483-1599

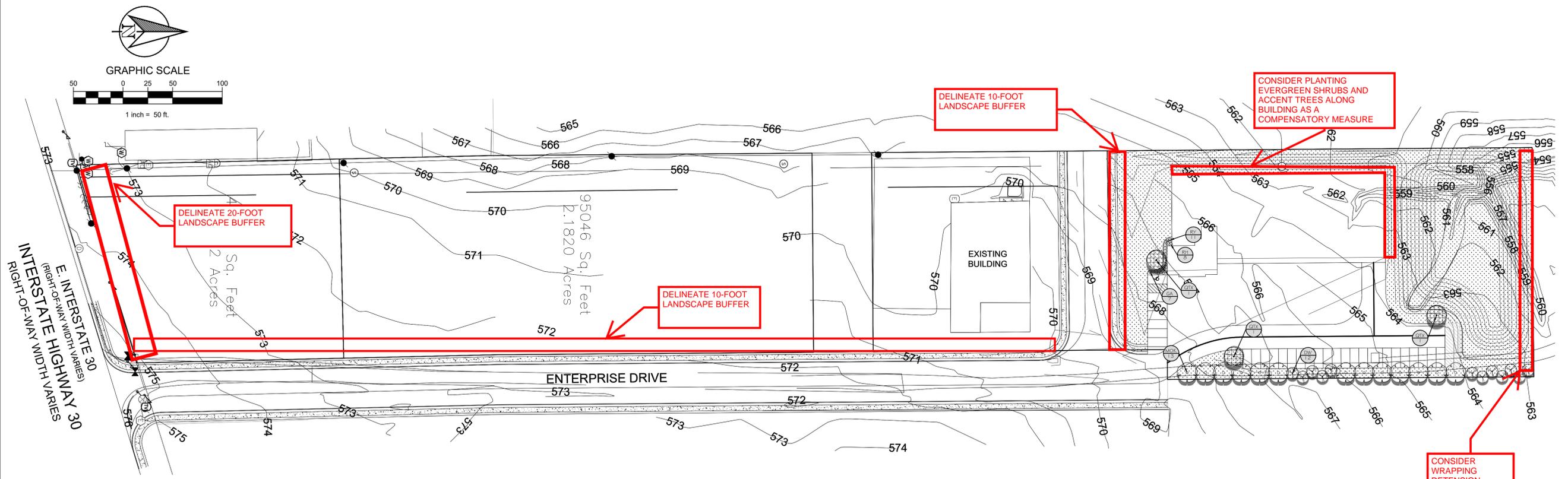
Project Name and Address

1601 E INTERSTATE 30
 ROCKWALL, TEXAS 75087

Project	Sheet
Date 08/18/2023	01
Scale	01



PATH: C:\Users\TT\Engineer\Drawings\2023\Area of Interest\Rockwall\DWG\MANAGE SITE PLAN.dwg
 LAYOUT: 1 - UTILITY PLAN



PLANT SCHEDULE

TREES	CODE	COMMON / BOTANICAL NAME	SIZE	CONTAINER	QTY
	DW	Desert Willow / <i>Chilopsis linearis</i> min. 12' ht; street tree	3" Cal.	Cont.	12
	MOK	Monterey Oak / <i>Quercus polymorpha</i> 'Monterey' min. 12' ht; street tree	3" Cal.	Cont.	13
	QTX	Shumard Oak / <i>Quercus shumardii</i> min. 12' ht; parking lot tree	3" Cal.	Cont.	3
SHRUBS	CODE	COMMON / BOTANICAL NAME	SIZE	QTY	
	GA	Glossy Abelia / <i>Abelia grandiflora</i> 36" o.c.	5 gal	7	
	RY	Red Yucca / <i>Hesperaloe parviflora</i> 30" o.c.	3 gal	11	
	RH	Indian Hawthorn / <i>Raphiolepis indica</i> 'Snow' 36" o.c.	5 gal	8	
GROUND COVERS	CODE	COMMON / BOTANICAL NAME	SIZE	QTY	
	CD	Bermuda Grass / <i>Cynodon dactylon</i> 'tif 419'	sod	47,240 sf	

LANDSCAPE STANDARDS

05.01 LANDSCAPE BUFFERS - NON-RESIDENTIAL ENTERPRISE DR.: ±365' STREET FRONTAGE	20' WIDE BUFFER REQ. W/ 3 CANOPY + 4 ACCENT TREE PER 100 LIN. FT. OF FRONTAGE; GROUND COVER, BUILT-UP BERM AND SHRUBBERY ALONG ENTIRE FRONTAGE, 30" HIGH, MIN. 13 CANOPY TREES; 12 ACCENT TREES, W/ SHRUBS 13 NEW CANOPY TREES; 12 ACCENT TREES
REQUIRED PLANTING: PROVIDED 30' BUFFER:	
WEST PROPERTY LINE BUFFER:	NOT REQUIRED. PROPERTY ZONED COMMERCIAL (C)
05.02 LANDSCAPE SCREENING REQ. HEADLIGHT SCREENING	HEAD-IN PARKING ADJ. TO STREET SHALL INCORP. MIN. 2' BERM W/ MATURE EVERGREEN SHRUBS ALONG ENTIRE PARKING AREAS N/A N/A
PROVIDED SCREENING SCREENING FROM RESIDENTIAL	
05.03 LANDSCAPE REQUIREMENTS - COMMERCIAL (C) DISTRICT	
TOTAL SITE AREA:	144,251 SF
LANDSCAPE AREA REQUIRED TOTAL SITE:	28,850 SF (20%)
LANDSCAPE PROVIDED, TOTAL SITE:	±29,121 SF
LOCATION OF LANDSCAPING:	MIN. 50% OF REQ. LANDSCAPING SHALL BE LOCATED IN THE FRONT OF & ALONG THE SIDE OF BUILDINGS W/ STREET FRONTAGE.
LANDSCAPE AREAS IN FRONT & SIDES OF BUILDINGS:	102,608 SF (17.4%)
MIN. SIZE OF AREAS:	ALL REQ. LANDSCAPING SHALL BE NO LESS THAN 5' WIDE AND A MIN. OF 25 SF IN AREA
PARKING LOT LANDSCAPING	MIN. 5% OR 200 SF OF LANDSCAPING, WHICHEVER IS GREATER, IN THE INTERIOR OF PARKING LOT AREA.
PROPOSED PARKING AREA: REQ. PARKING LOT LANDSCAPING:	±6,400 SF ±320 SF (6,400 x 5%) AND (1) LG. CANOPY TREE FOR EVERY 10 PARKING SPACES INTERNAL TO PARKING AREAS (PARKING AREA OVER 20,000 SF) REQ. PARKING SPACES MUST BE WITHIN 80' OF A CANOPY TREE TRUNK
PROPOSED PARKING LOT LANDSCAPING:	±1,200 SF 28 PARKING SPACES / 10 = 28 (3) TREES
TREES PROVIDED:	3 CANOPY TREES

GENERAL GRADING AND PLANTING NOTES

- BY SUBMITTING A PROPOSAL FOR THE LANDSCAPE PLANTING SCOPE OF WORK, THE CONTRACTOR CONFIRMS THAT HE HAS READ, AND WILL COMPLY WITH, THE ASSOCIATED NOTES, SPECIFICATIONS, AND DETAILS WITH THIS PROJECT.
- THE GENERAL CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL EXISTING VEGETATION (EXCEPT WHERE NOTED TO REMAIN).
- IN THE CONTEXT OF THESE PLANS, NOTES, AND SPECIFICATIONS, "FINISH GRADE" REFERS TO THE FINAL ELEVATION OF THE SOIL SURFACE (NOT TOP OF MULCH) AS INDICATED ON THE GRADING PLANS.
 - BEFORE STARTING WORK, THE LANDSCAPE CONTRACTOR SHALL VERIFY THAT THE ROUGH GRADES OF ALL LANDSCAPE AREAS ARE WITHIN +/-0.1' OF FINISH GRADE. SEE SPECIFICATIONS FOR MORE DETAILED INSTRUCTION ON TURF AREA AND PLANTING BED PREPARATION.
 - CONSTRUCT AND MAINTAIN FINISH GRADES AS SHOWN ON GRADING PLANS, AND CONSTRUCT AND MAINTAIN SLOPES AS RECOMMENDED BY THE GEOTECHNICAL REPORT. ALL LANDSCAPE AREAS SHALL HAVE POSITIVE DRAINAGE AWAY FROM STRUCTURES AT THE MINIMUM SLOPE SPECIFIED IN THE REPORT AND ON THE GRADING PLANS, AND AREAS OF POTENTIAL PONDING SHALL BE REGRADED TO BLEND IN WITH THE SURROUNDING GRADES AND ELIMINATE PONDING POTENTIAL.
 - THE LANDSCAPE CONTRACTOR SHALL DETERMINE WHETHER OR NOT THE EXPORT OF ANY SOIL WILL BE NEEDED, TAKING INTO ACCOUNT THE ROUGH GRADE PROVIDED, THE AMOUNT OF SOIL AMENDMENTS TO BE ADDED (BASED ON A SOIL TEST, PER SPECIFICATIONS), AND THE FINISH GRADES TO BE ESTABLISHED.
 - AFTER INSTALLING SOIL AMENDMENTS IN SHRUB AREAS, AND IN ORDER TO ALLOW FOR PROPER MULCH DEPTH, ENSURE THAT THE FINISH GRADE IMMEDIATELY ADJACENT TO WALKS AND OTHER WALKING SURFACES IS 3" BELOW FINISH GRADE, TAPERING TO MEET FINISH GRADE AT APPROXIMATELY 18" AWAY FROM THE SURFACE.
 - AFTER INSTALLING SOIL AMENDMENTS IN TURF AREAS, ENSURE THAT THE FINISH GRADE IN TURF AREAS IMMEDIATELY ADJACENT TO WALKS AND OTHER WALKING SURFACES IS 1" BELOW FINISH GRADE, TAPERING TO MEET FINISH GRADE AT APPROXIMATELY 18" AWAY FROM THE SURFACE.
 - SHOULD ANY CONFLICTS AND/OR DISCREPANCIES ARISE BETWEEN THE GRADING PLANS, GEOTECHNICAL REPORT, THESE NOTES AND PLANS, AND ACTUAL CONDITIONS, THE CONTRACTOR SHALL IMMEDIATELY BRING SUCH ITEMS TO THE ATTENTION OF THE LANDSCAPE ARCHITECT, GENERAL CONTRACTOR, AND OWNER.
- ALL PLANT LOCATIONS ARE DIAGRAMMATIC. ACTUAL LOCATIONS SHALL BE VERIFIED WITH THE LANDSCAPE ARCHITECT OR DESIGNER PRIOR TO PLANTING. THE LANDSCAPE CONTRACTOR SHALL ENSURE THAT ALL REQUIREMENTS OF THE PERMITTING AUTHORITY ARE MET (I.E., MINIMUM PLANT QUANTITIES, PLANTING METHODS, TREE PROTECTION METHODS, ETC.).
 - THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR DETERMINING PLANT QUANTITIES; PLANT QUANTITIES SHOWN ON LEGENDS AND CALLOUTS ARE FOR GENERAL INFORMATION ONLY. IN THE EVENT OF A DISCREPANCY BETWEEN THE PLAN AND THE PLANT LEGEND, THE PLANT QUANTITY AS SHOWN ON THE PLAN (FOR INDIVIDUAL SYMBOLS) OR CALLOUT (FOR GROUNDCOVER PATTERNS) SHALL TAKE PRECEDENCE.
 - NO SUBSTITUTIONS OF PLANT MATERIALS SHALL BE ALLOWED WITHOUT THE WRITTEN PERMISSION OF THE LANDSCAPE ARCHITECT.** IF SOME OF THE PLANTS ARE NOT AVAILABLE, THE LANDSCAPE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT IN WRITING (VIA PROPER CHANNELS).
 - THE CONTRACTOR SHALL, AT A MINIMUM, PROVIDE REPRESENTATIVE PHOTOS OF ALL PLANTS PROPOSED FOR THE PROJECT. THE CONTRACTOR SHALL ALLOW THE LANDSCAPE ARCHITECT AND THE OWNER/OWNER'S REPRESENTATIVE TO INSPECT, AND APPROVE OR REJECT, ALL PLANTS DELIVERED TO THE JOBSITE. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS FOR SUBMITTALS.
- THE CONTRACTOR SHALL MAINTAIN THE LANDSCAPE IN A HEALTHY CONDITION FOR 90 DAYS AFTER ACCEPTANCE BY THE OWNER. REFER TO SPECIFICATIONS FOR CONDITIONS OF ACCEPTANCE FOR THE START OF THE MAINTENANCE PERIOD, AND FOR FINAL ACCEPTANCE AT THE END OF THE MAINTENANCE PERIOD.
- PROVIDE HYDROMULCH FOR ALL DISTURBED LANDSCAPE AREAS OUTSIDE PROPERTY LIMITS.
- SEE SPECIFICATIONS AND DETAILS FOR FURTHER REQUIREMENTS.

PLANTING AND IRRIGATION GUARANTEE

THE LANDSCAPE CONTRACTOR SHALL GUARANTEE THAT ALL NEWLY INSTALLED AND EXISTING PLANTS SHALL SURVIVE FOR ONE YEAR AFTER FINAL OWNER ACCEPTANCE OF THE INSTALLATION WORK. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR APPROPRIATE WATERING OF THE LANDSCAPE THROUGH INSTALLATION OF A PROPERLY DESIGNED IRRIGATION SYSTEM. THE OWNER SHALL APPROVE THE SYSTEM DESIGN BEFORE INSTALLATION OF PLANTS OR IRRIGATION.

MULCHES

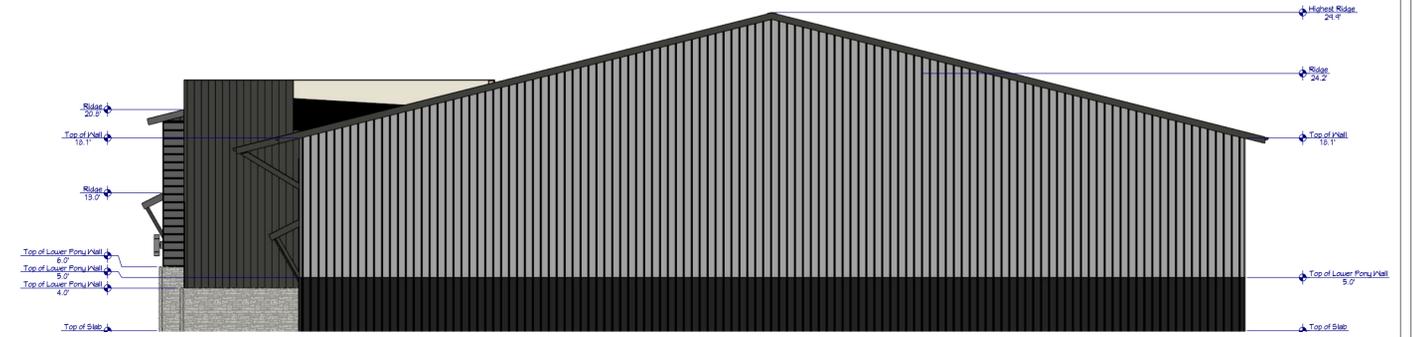
AFTER ALL PLANTING IS COMPLETE, CONTRACTOR SHALL INSTALL 3" THICK LAYER OF 1-1/2" SHREDDED WOOD MULCH, NATURAL (UNDYED), IN ALL PLANTING AREAS (EXCEPT FOR TURF AND SEEDING AREAS). CONTRACTOR SHALL SUBMIT SAMPLES OF ALL MULCHES TO LANDSCAPE ARCHITECT AND OWNER FOR APPROVAL PRIOR TO CONSTRUCTION. ABSOLUTELY NO EXPOSED GROUND SHALL BE LEFT SHOWING ANYWHERE ON THE PROJECT AFTER MULCH HAS BEEN INSTALLED (SUBJECT TO THE CONDITIONS AND REQUIREMENTS OF THE "GENERAL GRADING AND PLANTING NOTES" AND SPECIFICATIONS).

ROOT BARRIERS

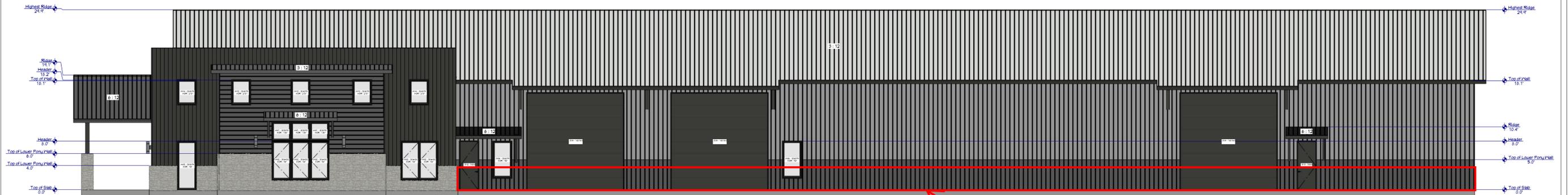
THE CONTRACTOR SHALL INSTALL ROOT BARRIERS NEAR ALL NEWLY-PLANTED TREES THAT ARE LOCATED WITHIN FIVE (5) FEET OF PAVING OR CURBS. ROOT BARRIERS SHALL BE "CENTURY" OR "DEEP-ROOT" 24" DEEP PANELS (OR EQUAL). BARRIERS SHALL BE LOCATED IMMEDIATELY ADJACENT TO HARDSCAPE. INSTALL PANELS PER MANUFACTURER'S RECOMMENDATIONS. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR USE ROOT BARRIERS OF A TYPE THAT COMPLETELY ENCIRCLE THE ROOTBALL.



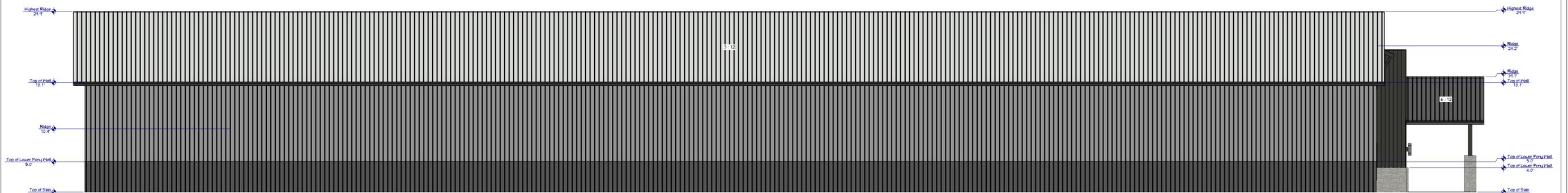
Exterior Elevation Front
 ELEVATION MATERIALS (EXCLUDING ROOF AND DOORS & WINDOWS):
 95% METAL
 5% STONE



Exterior Elevation Back
 ELEVATION MATERIALS (EXCLUDING ROOF AND DOORS & WINDOWS):
 97% METAL
 3% STONE



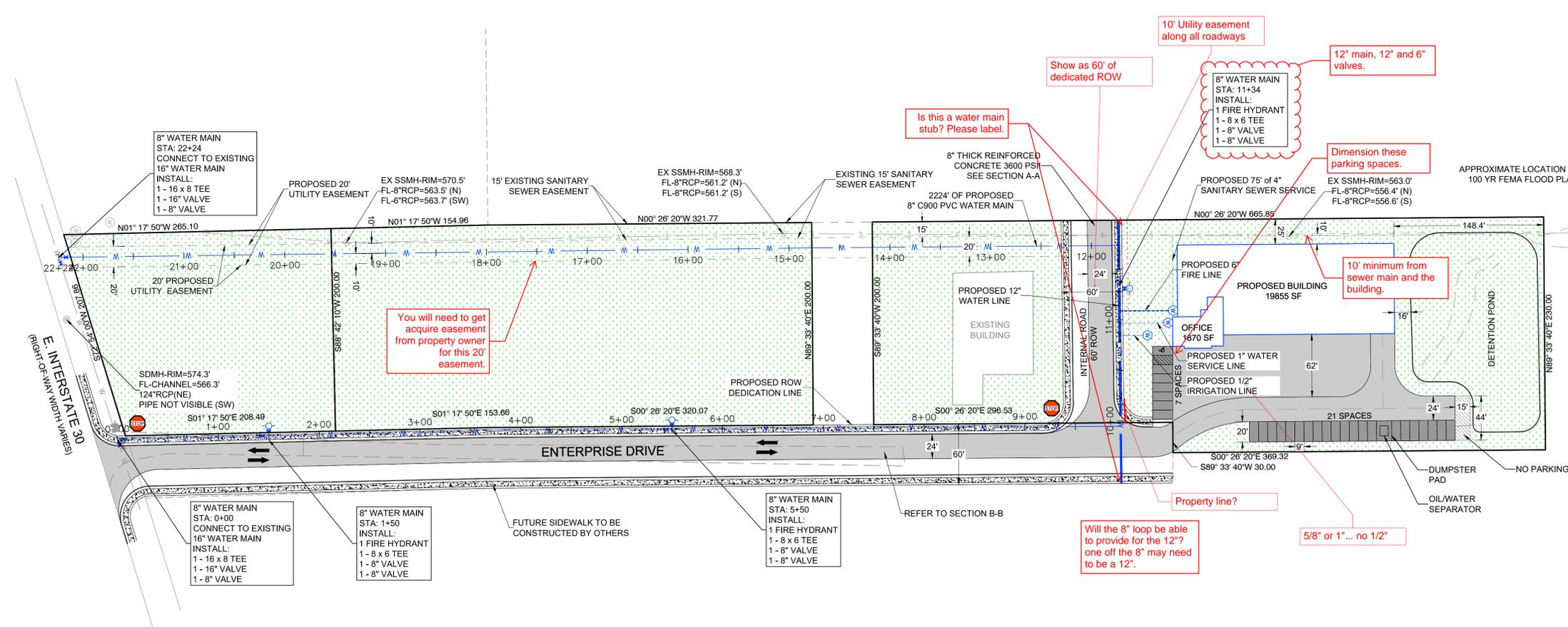
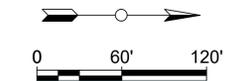
Exterior Elevation Right
 ELEVATION MATERIALS (EXCLUDING ROOF AND DOORS & WINDOWS):
 82% METAL
 18% STONE



Exterior Elevation Left
 ELEVATION MATERIALS (EXCLUDING ROOF AND DOORS & WINDOWS):
 99% METAL
 1% STONE

SCALE: 1/8" = 1'

EXTERIOR MATERIALS:	
SOFFIT:	METAL
SIDING:	R PANEL
ACCENT SIDING:	R PANEL
ROOF:	R PANEL
ROOF/AWNINGS:	R PANEL
PORCH POSTS:	8" METAL COLUMNS, BLACK
POST BASES (IF APPLICABLE):	CHOPPED LEUDER POST BASES
(SEE STYLE SHEET FOR ADDITIONAL INFO.)	



You will need to get acquire easement from property owner for this 20' easement.

Is this a water main stub? Please label.

Show as 60' of dedicated ROW

10' Utility easement along all roadways

12" main, 12" and 6" valves.

8" WATER MAIN STA: 11+34
INSTALL:
1 FIRE HYDRANT
1 - 8 x 6 TEE
1 - 8" VALVE
1 - 8" VALVE

Dimension these parking spaces.

10' minimum from sewer main and the building.

Will the 8" loop be able to provide for the 12"?? one off the 8" may need to be a 12".

5/8" or 1"... no 1/2"

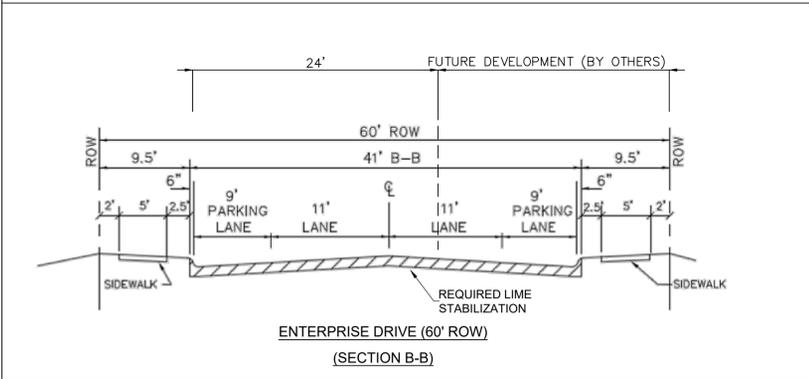
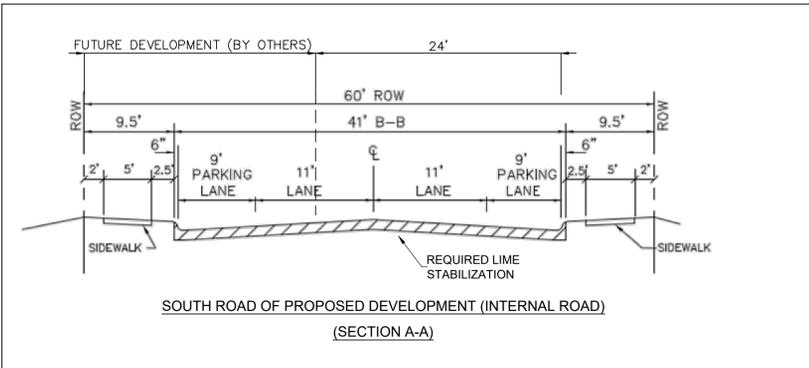
- NOTES:**
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 - ONLY VISUALLY APPARENT UTILITIES SHOWN ON THE PLANS. CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH ANY UNDERGROUND UTILITY PROVIDERS THAT EXISTS IN THE AREA.
 - WATER AND SANITARY SEWER LINES SHALL MAINTAIN A MINIMUM OF 10' SEPARATION.
 - CONTRACTOR TO COORDINATE WITH THE PROPERTY OWNER WHEN REPLACING THE CONCRETE DRIVE TO NOT TO INTERRUPT TRAFFIC FLOW TO/FROM THE LOT.

PRIVATE UTILITY NOTE:
"ALL WASTEWATER WORK DESIGNATED AS "PRIVATE" IN THIS SET OF PLANS SHALL BE INSTALLED IN ACCORDANCE WITH THE INTERNATIONAL PLUMBING CODE, PERMITTED AND INSPECTED BY THE CITY BUILDING INSPECTION DEPARTMENT AND INSTALLED BY A LICENSED PLUMBER."

SITE DATA:
TOTAL SITE AREA = 6.58 AC
TOTAL GREEN SPACE / LANDSCAPE AREA = 5.14 AC
NO. OF PROPOSED BUILDINGS = 1
PARKING DIMENSIONS = 9' X 20'

WAREHOUSE AND OFFICE PARKING CALCULATIONS					
No. OF BUILDING	TOTAL FLOOR AREA (SF)	BUILDING TYPE	PARKING CRITERIA	PARKING REQUIRED	PARKING PROVIDED
1	17985	WAREHOUSE WITH INSIDE STORAGE	1\1000 SF	18	20
1	1870	OFFICES	1\300 SF	6	7
HANDICAPPED PARKING SPACES			1/25 SPACES		1
TOTAL PARKING SPACES				24	28

NOTE:
PAVING THICKNESS SHOWN IN PLANS IS FOR INFORMATION PURPOSE ONLY. THE OWNER IS RESPONSIBLE FOR CONTACTING A GEOTECH ENGINEER FOR ALL SOIL RELATED WORKS SUCH AS PAVING, FOUNDATION, EARTHWORK, AND RETAINING WALLS.



- General Items:**
- Must meet City 2023 Standards of Design and Construction
 - 4% Engineering Inspection Fees
 - Impact Fees (Water, Wastewater & Roadway)
 - Minimum easement width is 20'. No structures allowed in easements.
 - Retaining walls 3' and over must be engineered.
 - All retaining walls must be rock or stone face. No smooth concrete walls.

- Drainage Items:**
- Detention is required. Calculations based by zoning. Detention is not allowed in flood plain.
 - Detention pond shall be in a drainage easement.
 - Dumpster to go through oil/water separator before draining to the storm lines.
 - Will need a flood study if you are touching the existing floodplain.
 - Building FF will need to be 2' above the floodplain elevation and 100-yr WSEL of detention pond, and parking to be 1' above floodplain.

- Water and Wastewater Items:**
- 8" water will need to be looped in around the site.
 - Water main is located along IH30 and Justin Road. Water main must be extended along Enterprise Road.
 - Only one "use" can be off a dead-end water line (Domestic service, irrigation, fire hydrant, or fire line).
 - Sanitary sewer is located on the west side of the property in a 15' easement. No structures may be placed within this easement.
 - Commercial sanitary sewer service line size is minimum 6" and must connect to a manhole.
 - Water to be 10' separated from storm and sewer lines.
 - City's Master Water plan calls for a 12" water main to cross the southeast corner of the property.

- Roadway Paving Items:**
- Parking will not be allowed to back onto public roadway
 - Parking to be 20'x9'.
 - Drive isles to be 24' wide.
 - No dead end parking allowed. Must connect through or have a turnaround.
 - All new paving to be reinforced concrete.
 - Must verify that there is 50' ROW for Enterprise Dr. Fire Department will need minimum 24' of all weather surface (gravel and asphalt not allowed to be used) from IH-30 to site. Must have an approved turn around.
 - City's master thoroughfare plan calls for a 4 lane roadway within a 65' ROW in this area. Dedicate 32.5' of ROW will be required and pave 24' to meet City Standards.
 - Enterprise will need underground storm sewer.

- Landscaping:**
- No trees to be with 10' of any public water, sewer or storm line that is 10" in diameter or larger.
 - No trees to be with 5' of any public water, sewer, or storm line that is less than 10".



Project	Sheet
Date 08/18/2023	01
Scale	01

SITE PLAN.dwg
 PLAN
 URKEY
 RACT
 CONSTRUCTION
 Issue Date
 TRACT
 ST #171
 X 75033
 283
 4@gmail.com
 3-1599
 ERSTATE 30
 TEXAS 75087



DEVELOPMENT APPLICATION

City of Rockwall
Planning and Zoning Department
385 S. Goliad Street
Rockwall, Texas 75087

STAFF USE ONLY
PLANNING & ZONING CASE NO.

SP2023-037

NOTE: THE APPLICATION IS NOT CONSIDERED ACCEPTED BY THE CITY UNTIL THE PLANNING DIRECTOR AND CITY ENGINEER HAVE SIGNED BELOW.

DIRECTOR OF PLANNING:

CITY ENGINEER:

PLEASE CHECK THE APPROPRIATE BOX BELOW TO INDICATE THE TYPE OF DEVELOPMENT REQUEST (SELECT ONLY ONE BOX):

PLATTING APPLICATION FEES:

- MASTER PLAT (\$100.00 + \$15.00 ACRE)¹
- PRELIMINARY PLAT (\$200.00 + \$15.00 ACRE)¹
- FINAL PLAT (\$300.00 + \$20.00 ACRE)¹
- REPLAT (\$300.00 + \$20.00 ACRE)¹
- AMENDING OR MINOR PLAT (\$150.00)
- PLAT REINSTATEMENT REQUEST (\$100.00)

SITE PLAN APPLICATION FEES:

- SITE PLAN (\$250.00 + \$20.00 ACRE)¹
- AMENDED SITE PLAN/ELEVATIONS/LANDSCAPING PLAN (\$100.00)

ZONING APPLICATION FEES:

- ZONING CHANGE (\$200.00 + \$15.00 ACRE)¹
- SPECIFIC USE PERMIT (\$200.00 + \$15.00 ACRE)^{1&2}
- PD DEVELOPMENT PLANS (\$200.00 + \$15.00 ACRE)¹

OTHER APPLICATION FEES:

- TREE REMOVAL (\$75.00)
- VARIANCE REQUEST/SPECIAL EXCEPTIONS (\$100.00)²

NOTES:

¹: IN DETERMINING THE FEE, PLEASE USE THE EXACT ACREAGE WHEN MULTIPLYING BY THE PER ACRE AMOUNT. FOR REQUESTS ON LESS THAN ONE ACRE, ROUND UP TO ONE (1) ACRE.
²: A \$1,000.00 FEE WILL BE ADDED TO THE APPLICATION FEE FOR ANY REQUEST THAT INVOLVES CONSTRUCTION WITHOUT OR NOT IN COMPLIANCE TO AN APPROVED BUILDING PERMIT.

PROPERTY INFORMATION [PLEASE PRINT]

ADDRESS 1601 WINTERSTATE 30, ROCKWALL, TEXAS 75087

SUBDIVISION J LOCKHART

LOT A0134 BLOCK 3-2

GENERAL LOCATION JOHN KING 1/4 1-30 (NW CORNER)

ZONING, SITE PLAN AND PLATTING INFORMATION [PLEASE PRINT]

CURRENT ZONING C2

CURRENT USE VACANT

PROPOSED ZONING C2

PROPOSED USE

ACREAGE 6.5

LOTS [CURRENT] 5

LOTS [PROPOSED]

SITE PLANS AND PLATS: BY CHECKING THIS BOX YOU ACKNOWLEDGE THAT DUE TO THE PASSAGE OF HB3167 THE CITY NO LONGER HAS FLEXIBILITY WITH REGARD TO ITS APPROVAL PROCESS, AND FAILURE TO ADDRESS ANY OF STAFF'S COMMENTS BY THE DATE PROVIDED ON THE DEVELOPMENT CALENDAR WILL RESULT IN THE DENIAL OF YOUR CASE.

OWNER/APPLICANT/AGENT INFORMATION [PLEASE PRINT/CHECK THE PRIMARY CONTACT/ORIGINAL SIGNATURES ARE REQUIRED]

OWNER C2LA, LLC

APPLICANT GARDNER CONSTRUCTION

CONTACT PERSON CORBY FLECK

CONTACT PERSON BART GARDNER/JAMES BELT

ADDRESS 382 RANCH TRAIL

ADDRESS 15950 STATE HIGHWAY 205

CITY, STATE & ZIP ROCKWALL TX 75032

CITY, STATE & ZIP TERNELL TX 75160

PHONE 469-338-0262

PHONE 214-675-4435

E-MAIL CORY@ARASOFAMERICA.COM

E-MAIL BART@GARDNER-CONSTRUCTION.COM

NOTARY VERIFICATION [REQUIRED]

BEFORE ME, THE UNDERSIGNED AUTHORITY, ON THIS DAY PERSONALLY APPEARED James Belt [OWNER] THE UNDERSIGNED, WHO STATED THE INFORMATION ON THIS APPLICATION TO BE TRUE AND CERTIFIED THE FOLLOWING:

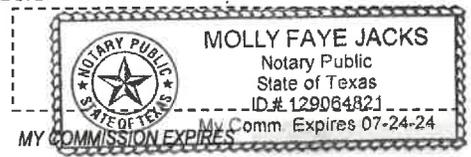
"I HEREBY CERTIFY THAT I AM THE OWNER FOR THE PURPOSE OF THIS APPLICATION; ALL INFORMATION SUBMITTED HEREIN IS TRUE AND CORRECT; AND THE APPLICATION FEE OF \$ 26 TO COVER THE COST OF THIS APPLICATION, HAS BEEN PAID TO THE CITY OF ROCKWALL ON THIS THE 26 DAY OF Sept, 2023 BY SIGNING THIS APPLICATION, I AGREE THAT THE CITY OF ROCKWALL (I.E. "CITY") IS AUTHORIZED AND PERMITTED TO PROVIDE INFORMATION CONTAINED WITHIN THIS APPLICATION TO THE PUBLIC. THE CITY IS ALSO AUTHORIZED AND PERMITTED TO REPRODUCE ANY COPYRIGHTED INFORMATION SUBMITTED IN CONJUNCTION WITH THIS APPLICATION, IF SUCH REPRODUCTION IS ASSOCIATED OR IN RESPONSE TO A REQUEST FOR PUBLIC INFORMATION."

GIVEN UNDER MY HAND AND SEAL OF OFFICE ON THIS THE 26 DAY OF Sept, 2023

OWNER'S SIGNATURE

NOTARY PUBLIC IN AND FOR THE STATE OF TEXAS

[Signature]
Molly Faye Jacks





JUSTIN RD

PD-89

AG

ENTERPRISE DR

STONINGBEND

LI

30

G

LI

LI

PD-26

PD-31

COMMERCE ST

MIDDLEGROUND DR

PREAKNESS DR

PD-10

Case Location Map = 

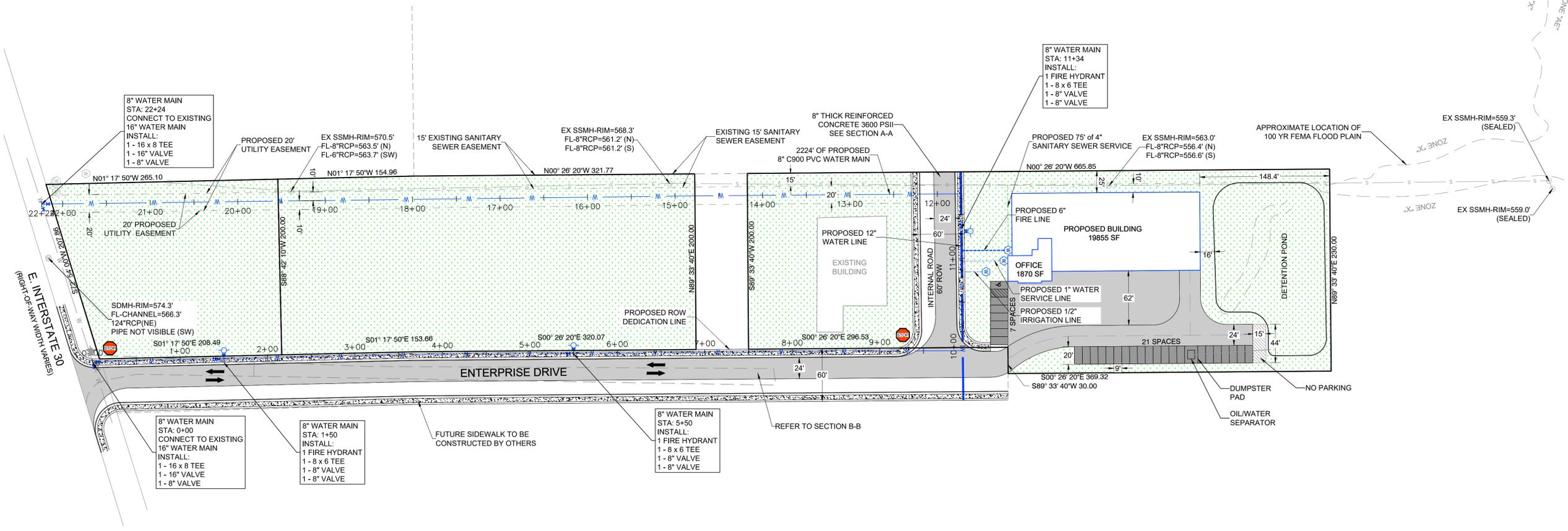
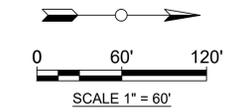


City of Rockwall

Planning & Zoning Department
385 S. Goliad Street
Rockwall, Texas 75087
(P): (972) 771-7745
(W): www.rockwall.com

The City of Rockwall GIS maps are continually under development and therefore subject to change without notice. While we endeavor to provide timely and accurate information, we make no guarantees. The City of Rockwall makes no warranty, express or implied, including warranties of merchantability and fitness for a particular purpose. Use of the information is the sole responsibility of the user.





- NOTES:**
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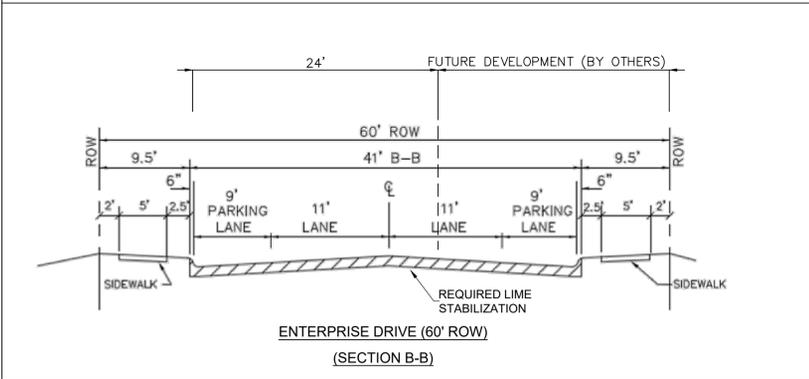
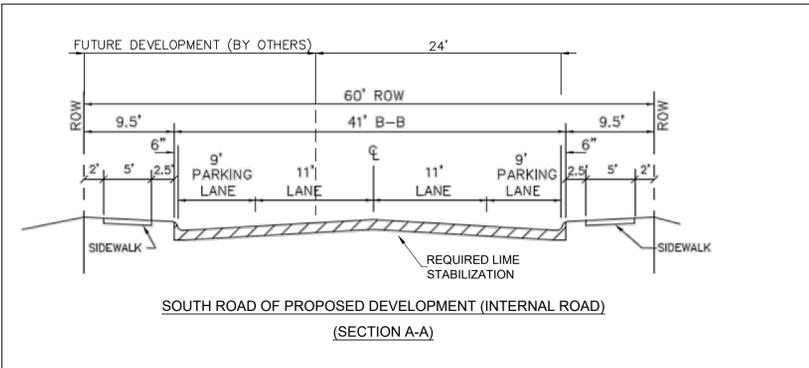
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SITE PLAN.dwg

SITE PLAN

NOT FOR CONSTRUCTION

No.	Revision/Issue	Date

Firm Name and Address

TURNKEY TRACT
 2770 MAIN ST #171
 FRISCO, TX 75033
 F-22283
 nkcivilengineer4@gmail.com
 214-483-1599

Project Name and Address

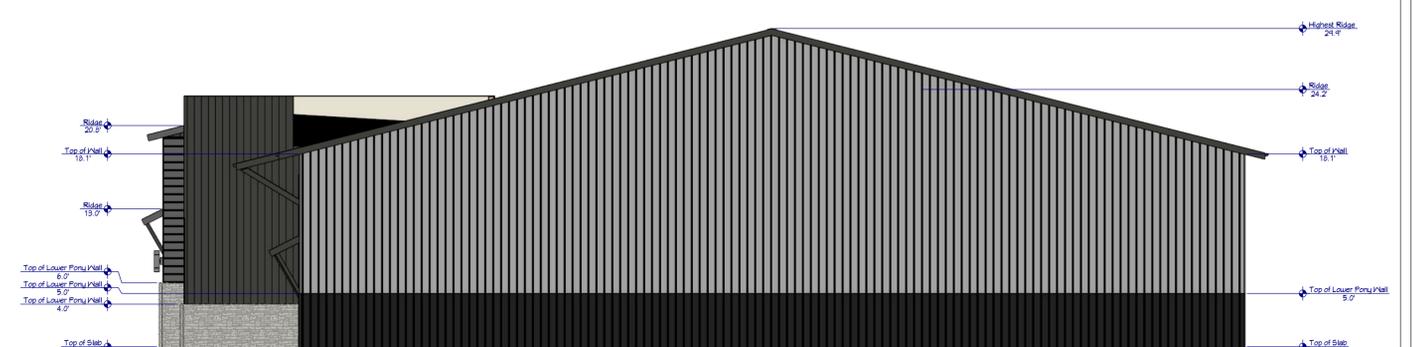
1601 E INTERSTATE 30
 ROCKWALL, TEXAS 75087

Project	Sheet
Date 08/18/2023	01
Scale	01

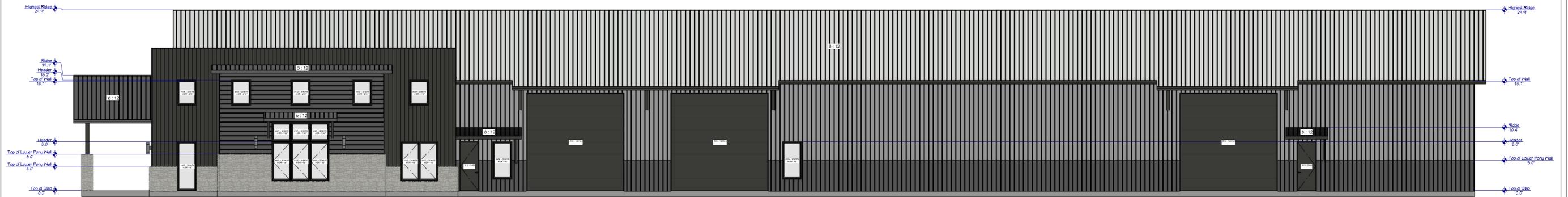




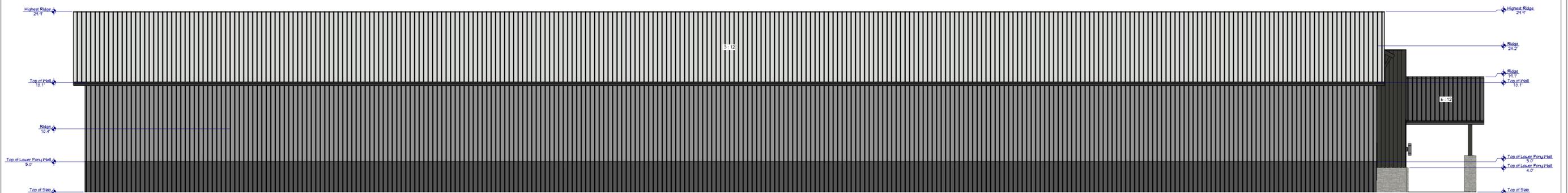
Exterior Elevation Front
 ELEVATION MATERIALS (EXCLUDING ROOF AND DOORS & WINDOWS):
 95% METAL
 5% STONE



Exterior Elevation Back
 ELEVATION MATERIALS (EXCLUDING ROOF AND DOORS & WINDOWS):
 97% METAL
 3% STONE



Exterior Elevation Right
 ELEVATION MATERIALS (EXCLUDING ROOF AND DOORS & WINDOWS):
 82% METAL
 18% STONE



Exterior Elevation Left
 ELEVATION MATERIALS (EXCLUDING ROOF AND DOORS & WINDOWS):
 99% METAL
 1% STONE

SCALE: 1/8" = 1'

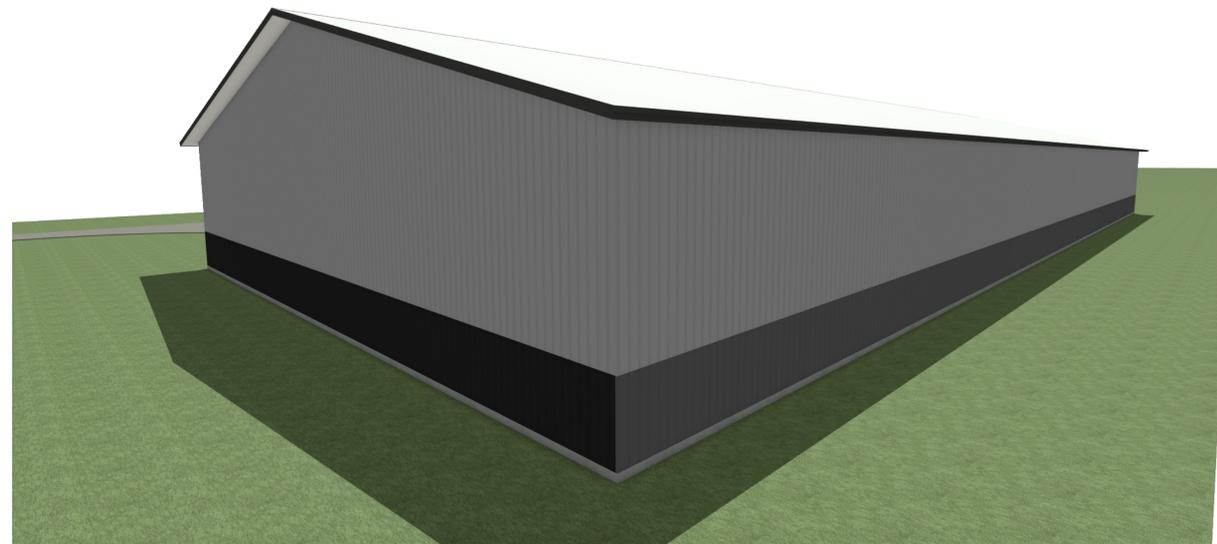
EXTERIOR MATERIALS:	
SOFFIT:	METAL
SIDING:	R PANEL
ACCENT SIDING:	R PANEL
ROOF:	R PANEL
ROOF/AWNINGS:	R PANEL
PORCH POSTS:	8" METAL COLUMNS, BLACK
POST BASES (IF APPLICABLE):	CHOPPED LEUDER POST BASES
(SEE STYLE SHEET FOR ADDITIONAL INFO.)	



FRONT-LEFT



FRONT-RIGHT



BACK-LEFT



BACK-RIGHT

GENERAL NOTES:

THE BUILDER SHALL VERIFY THAT SITE CONDITIONS ARE CONSISTENT WITH THESE PLANS BEFORE STARTING WORK. WORK NOT SPECIFICALLY DETAILED SHALL BE CONSTRUCTED TO THE SAME QUALITY AS SIMILAR WORK THAT IS DETAILED. ALL WORK SHALL BE DONE IN ACCORDANCE WITH INTERNATIONAL BUILDING CODES AND LOCAL CODES.

WRITTEN DIMENSIONS AND SPECIFIC NOTES SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS AND GENERAL NOTES. THE ENGINEER/DESIGNER SHALL BE CONSULTED FOR CLARIFICATION IF SITE CONDITIONS ARE ENCOUNTERED THAT ARE DIFFERENT THAN SHOWN, IF DISCREPANCIES ARE FOUND IN THE PLANS OR NOTES, OR IF A QUESTION ARISES OVER THE INTENT OF THE PLANS OR NOTES. CONTRACTOR SHALL VERIFY AND IS RESPONSIBLE FOR ALL DIMENSIONS (INCLUDING ROUGH OPENINGS).

PLEASE SEE ADDITIONAL NOTES CALLED OUT ON OTHER SHEETS.

BUILDING PERFORMANCE:

HEAT LOSS CALCULATIONS SHALL COMPLY WITH THE REQUIREMENTS OF REGIONAL AND LOCAL CODES. SEE CALCULATIONS. PORCHES, DECKS, FOUNDATION, FIREPLACE ENCLOSURES, AND GARAGE AREAS NOT INCLUDED IN LIVING AREA. ALL EXHAUST FANS TO BE VENTED DIRECTLY TO THE EXTERIOR. ALL PENETRATIONS OF THE BUILDING ENVELOPE SHALL BE SEALED WITH CAULK OR FOAM.

Layout Page Table

Number	Title
1	PROJECT OVERVIEW
2	ELEVATIONS
3	SCHEDULES & STYLE
4	FOUNDATION/ROUGH-IN PLAN
5	ROOF PLAN - 1F
6	FRAMING PLAN - 1F
7	ELECTRICAL PLAN - 1F
8	CABINET PLAN

REV 03

HOME DESIGNED BY:
AARON HAMILTON
ABIDE HOME DESIGNS
ROYSE CITY, TX / 972-533-0459
AARON@ABIDEHOMEDESIGNS.COM

PROJECT
OVERVIEW

ARMS OF AMERICA
ENTERPRISE DR
ROCKWALL, TX



DATE:

10/23/2023

SCALE:

1/8"=1'

SHEET:

1

TOTAL OFFICE HEATED SF:	1853 SF
TOTAL SLAB SF:	20,273 SF (INCLUDES SHEET/STONE LEDGE)
TOTAL PORCHES UNDER ROOF:	317 SF
TOTAL WAREHOUSE:	18,103 SF
TOTAL UNDER ROOF SF:	20,273 SF

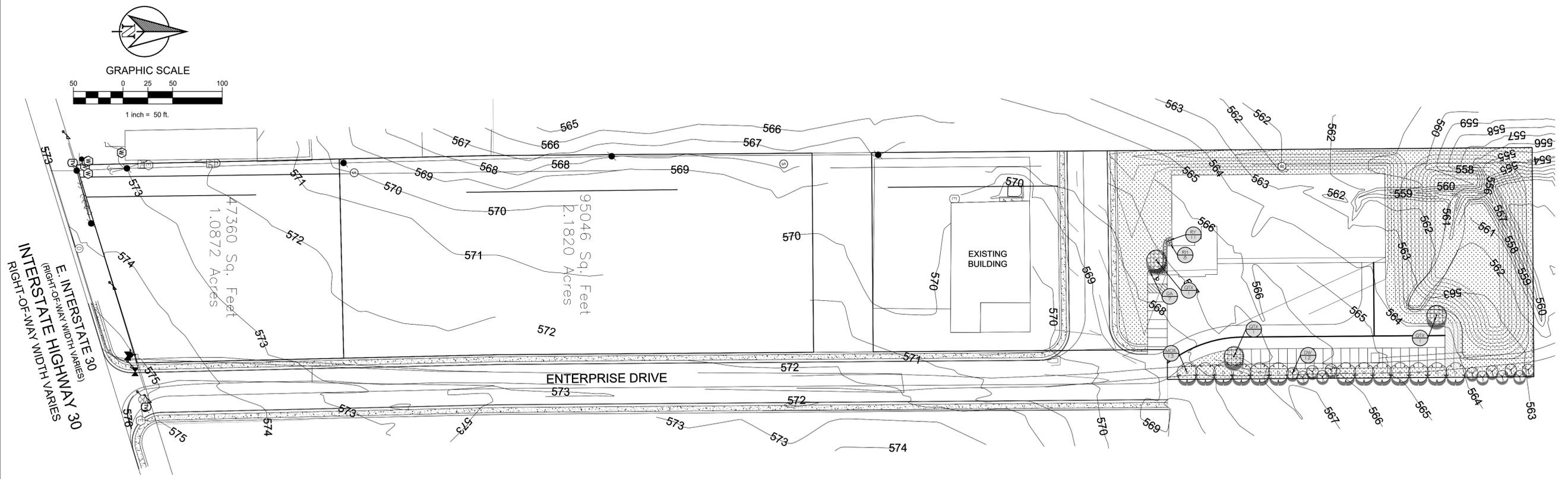
Revision Table			
Label	Date	Revised By	Description
REV 01	11/12/2021	AJH	INITIAL PLAN DEVELOPMENT
REV 03	10/2/2023	AJH	BUILDING & SITE PLAN UPDATES

-INTERIOR & EXTERIOR 3D MODEL AVAILABLE (AS NEEDED) UPON REQUEST
-2D ELECTRONIC CAD FILE AVAILABLE (DWG, DXF) UPON REQUEST
-PLEASE REQUEST EITHER HOMEOWNER OR VIA DESIGNER CONTACT INFO

To the best of my knowledge these plans are drawn to comply with owner's and/or builder's specifications and any changes made on them after prints are made will be done at the owner's and/or builder's expense and responsibility. The contractor shall verify all dimensions and enclosed drawing. Hamilton Handcrafted/Abide Home Designs is not liable for errors once construction has begun. While every effort has been made in the preparation of this plan to avoid mistakes, the maker can not guarantee against human error. The contractor of the job must check all dimensions and other details prior to construction and be solely responsible thereafter.

BUILDING CONTRACTOR/HOME OWNER TO REVIEW AND VERIFY ALL DIMENSIONS, SPECS, LOCAL CODE/BUILDER REQUIREMENTS & CONNECTIONS BEFORE CONSTRUCTION BEGINS.

MIN. CODE RECOMMENDATIONS:
ELECTRICAL SYSTEM CODE: SEC.2701
MECHANICAL SYSTEM CODE: SEC.2801
PLUMBING SYSTEM CODE: SEC.2901
(CONSULT LOCAL/CITY BUILDING REQUIREMENTS)



PLANT SCHEDULE

TREES	CODE	COMMON / BOTANICAL NAME	SIZE	CONTAINER	QTY
	DW	Desert Willow / <i>Chilopsis linearis</i> min. 12' ht; street tree	3" Cal.	Cont.	12
	MOK	Monterey Oak / <i>Quercus polymorpha</i> 'Monterey' min. 12' ht; street tree	3" Cal.	Cont.	13
	QTX	Shumard Oak / <i>Quercus shumardii</i> min. 12' ht; parking lot tree	3" Cal.	Cont.	3
SHRUBS	CODE	COMMON / BOTANICAL NAME	SIZE	QTY	
	GA	Glossy Abelia / <i>Abelia grandiflora</i> 36" o.c.	5 gal	7	
	RY	Red Yucca / <i>Hesperaloe parviflora</i> 30" o.c.	3 gal	11	
	RH	Indian Hawthorn / <i>Raphiolepis Indica</i> 'Snow' 36" o.c.	5 gal	8	
GROUND COVERS	CODE	COMMON / BOTANICAL NAME	SIZE	QTY	
	CD	Bermuda Grass / <i>Cynodon dactylon</i> 'tif 419'	sod	47,240 sf	

LANDSCAPE STANDARDS

05.01 LANDSCAPE BUFFERS - NON-RESIDENTIAL	
ENTERPRISE DR.: ±365' STREET FRONTAGE	20' WIDE BUFFER REQ. W/ 3 CANOPY + 4 ACCENT TREE PER 100 LIN. FT. OF FRONTAGE; GROUND COVER, BUILT-UP BERM AND SHRUBBERY ALONG ENTIRE FRONTAGE, 30" HIGH, MIN. 13 CANOPY TREES; 12 ACCENT TREES, W/ SHRUBS 13 NEW CANOPY TREES; 12 ACCENT TREES
REQUIRED PLANTING: PROVIDED 30' BUFFER:	
WEST PROPERTY LINE BUFFER:	NOT REQUIRED. PROPERTY ZONED COMMERCIAL (C)
05.02 LANDSCAPE SCREENING	
REQ. HEADLIGHT SCREENING	HEAD-IN PARKING ADJ. TO STREET SHALL INCORP. MIN. 2' BERM W/ MATURE EVERGREEN SHRUBS ALONG ENTIRE PARKING AREAS N/A N/A
PROVIDED SCREENING SCREENING FROM RESIDENTIAL	
05.03 LANDSCAPE REQUIREMENTS - COMMERCIAL (C) DISTRICT	
TOTAL SITE AREA:	144,251 SF
LANDSCAPE AREA REQUIRED TOTAL SITE:	28,850 SF (20%)
LANDSCAPE PROVIDED, TOTAL SITE:	±29,121 SF
LOCATION OF LANDSCAPING:	MIN. 50% OF REQ. LANDSCAPING SHALL BE LOCATED IN THE FRONT OF & ALONG THE SIDE OF BUILDINGS W/ STREET FRONTAGE.
LANDSCAPE AREAS IN FRONT & SIDES OF BUILDINGS:	102,608 SF (17.4%)
MIN. SIZE OF AREAS:	ALL REQ. LANDSCAPING SHALL BE NO LESS THAN 5' WIDE AND A MIN. OF 25 SF IN AREA
PARKING LOT LANDSCAPING	MIN. 5% OR 200 SF OF LANDSCAPING, WHICHEVER IS GREATER, IN THE INTERIOR OF PARKING LOT AREA. ±6,400 SF ±320 SF (6,400 x 5%) AND (1) LG. CANOPY TREE FOR EVERY 10 PARKING SPACES INTERNAL TO PARKING AREAS (PARKING AREA OVER 20,000 SF) REQ. PARKING SPACES MUST BE WITHIN 80' OF A CANOPY TREE TRUNK
PROPOSED PARKING LOT LANDSCAPING:	±1,200 SF 28 PARKING SPACES / 10 = 28 (3) TREES
TREES PROVIDED:	3 CANOPY TREES

GENERAL GRADING AND PLANTING NOTES

- BY SUBMITTING A PROPOSAL FOR THE LANDSCAPE PLANTING SCOPE OF WORK, THE CONTRACTOR CONFIRMS THAT HE HAS READ, AND WILL COMPLY WITH, THE ASSOCIATED NOTES, SPECIFICATIONS, AND DETAILS WITH THIS PROJECT.
- THE GENERAL CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL EXISTING VEGETATION (EXCEPT WHERE NOTED TO REMAIN).
- IN THE CONTEXT OF THESE PLANS, NOTES, AND SPECIFICATIONS, "FINISH GRADE" REFERS TO THE FINAL ELEVATION OF THE SOIL SURFACE (NOT TOP OF MULCH) AS INDICATED ON THE GRADING PLANS.
 - BEFORE STARTING WORK, THE LANDSCAPE CONTRACTOR SHALL VERIFY THAT THE ROUGH GRADES OF ALL LANDSCAPE AREAS ARE WITHIN +/-0.1' OF FINISH GRADE. SEE SPECIFICATIONS FOR MORE DETAILED INSTRUCTION ON TURF AREA AND PLANTING BED PREPARATION.
 - CONSTRUCT AND MAINTAIN FINISH GRADES AS SHOWN ON GRADING PLANS, AND CONSTRUCT AND MAINTAIN SLOPES AS RECOMMENDED BY THE GEOTECHNICAL REPORT. ALL LANDSCAPE AREAS SHALL HAVE POSITIVE DRAINAGE AWAY FROM STRUCTURES AT THE MINIMUM SLOPE SPECIFIED IN THE REPORT AND ON THE GRADING PLANS, AND AREAS OF POTENTIAL PONDING SHALL BE REGRADED TO BLEND IN WITH THE SURROUNDING GRADES AND ELIMINATE PONDING POTENTIAL.
 - THE LANDSCAPE CONTRACTOR SHALL DETERMINE WHETHER OR NOT THE EXPORT OF ANY SOIL WILL BE NEEDED, TAKING INTO ACCOUNT THE ROUGH GRADE PROVIDED, THE AMOUNT OF SOIL AMENDMENTS TO BE ADDED (BASED ON A SOIL TEST, PER SPECIFICATIONS), AND THE FINISH GRADES TO BE ESTABLISHED.
 - AFTER INSTALLING SOIL AMENDMENTS IN SHRUB AREAS, AND IN ORDER TO ALLOW FOR PROPER MULCH DEPTH, ENSURE THAT THE FINISH GRADE IMMEDIATELY ADJACENT TO WALKS AND OTHER WALKING SURFACES IS 3" BELOW FINISH GRADE, TAPERING TO MEET FINISH GRADE AT APPROXIMATELY 18" AWAY FROM THE SURFACE.
 - AFTER INSTALLING SOIL AMENDMENTS IN TURF AREAS, ENSURE THAT THE FINISH GRADE IN TURF AREAS IMMEDIATELY ADJACENT TO WALKS AND OTHER WALKING SURFACES IS 1" BELOW FINISH GRADE, TAPERING TO MEET FINISH GRADE AT APPROXIMATELY 18" AWAY FROM THE SURFACE.
 - SHOULD ANY CONFLICTS AND/OR DISCREPANCIES ARISE BETWEEN THE GRADING PLANS, GEOTECHNICAL REPORT, THESE NOTES AND PLANS, AND ACTUAL CONDITIONS, THE CONTRACTOR SHALL IMMEDIATELY BRING SUCH ITEMS TO THE ATTENTION OF THE LANDSCAPE ARCHITECT, GENERAL CONTRACTOR, AND OWNER.
- ALL PLANT LOCATIONS ARE DIAGRAMMATIC. ACTUAL LOCATIONS SHALL BE VERIFIED WITH THE LANDSCAPE ARCHITECT OR DESIGNER PRIOR TO PLANTING. THE LANDSCAPE CONTRACTOR SHALL ENSURE THAT ALL REQUIREMENTS OF THE PERMITTING AUTHORITY ARE MET (I.E., MINIMUM PLANT QUANTITIES, PLANTING METHODS, TREE PROTECTION METHODS, ETC.).
 - THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR DETERMINING PLANT QUANTITIES; PLANT QUANTITIES SHOWN ON LEGENDS AND CALLOUTS ARE FOR GENERAL INFORMATION ONLY. IN THE EVENT OF A DISCREPANCY BETWEEN THE PLAN AND THE PLANT LEGEND, THE PLANT QUANTITY AS SHOWN ON THE PLAN (FOR INDIVIDUAL SYMBOLS) OR CALLOUT (FOR GROUNDCOVER PATTERNS) SHALL TAKE PRECEDENCE.
 - NO SUBSTITUTIONS OF PLANT MATERIALS SHALL BE ALLOWED WITHOUT THE WRITTEN PERMISSION OF THE LANDSCAPE ARCHITECT.** IF SOME OF THE PLANTS ARE NOT AVAILABLE, THE LANDSCAPE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT IN WRITING (VIA PROPER CHANNELS).
 - THE CONTRACTOR SHALL, AT A MINIMUM, PROVIDE REPRESENTATIVE PHOTOS OF ALL PLANTS PROPOSED FOR THE PROJECT. THE CONTRACTOR SHALL ALLOW THE LANDSCAPE ARCHITECT AND THE OWNER/OWNER'S REPRESENTATIVE TO INSPECT, AND APPROVE OR REJECT, ALL PLANTS DELIVERED TO THE JOBSITE. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS FOR SUBMITTALS.
- THE CONTRACTOR SHALL MAINTAIN THE LANDSCAPE IN A HEALTHY CONDITION FOR 90 DAYS AFTER ACCEPTANCE BY THE OWNER. REFER TO SPECIFICATIONS FOR CONDITIONS OF ACCEPTANCE FOR THE START OF THE MAINTENANCE PERIOD, AND FOR FINAL ACCEPTANCE AT THE END OF THE MAINTENANCE PERIOD.
- PROVIDE HYDROMULCH FOR ALL DISTURBED LANDSCAPE AREAS OUTSIDE PROPERTY LIMITS.
- SEE SPECIFICATIONS AND DETAILS FOR FURTHER REQUIREMENTS.

PLANTING AND IRRIGATION GUARANTEE

THE LANDSCAPE CONTRACTOR SHALL GUARANTEE THAT ALL NEWLY INSTALLED AND EXISTING PLANTS SHALL SURVIVE FOR ONE YEAR AFTER FINAL OWNER ACCEPTANCE OF THE INSTALLATION WORK. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR APPROPRIATE WATERING OF THE LANDSCAPE THROUGH INSTALLATION OF A PROPERLY DESIGNED IRRIGATION SYSTEM. THE OWNER SHALL APPROVE THE SYSTEM DESIGN BEFORE INSTALLATION OF PLANTS OR IRRIGATION.

MULCHES

AFTER ALL PLANTING IS COMPLETE, CONTRACTOR SHALL INSTALL 3" THICK LAYER OF 1-1/2" SHREDDED WOOD MULCH, NATURAL (UNDYED), IN ALL PLANTING AREAS (EXCEPT FOR TURF AND SEEDING AREAS). CONTRACTOR SHALL SUBMIT SAMPLES OF ALL MULCHES TO LANDSCAPE ARCHITECT AND OWNER FOR APPROVAL PRIOR TO CONSTRUCTION. ABSOLUTELY NO EXPOSED GROUND SHALL BE LEFT SHOWING ANYWHERE ON THE PROJECT AFTER MULCH HAS BEEN INSTALLED (SUBJECT TO THE CONDITIONS AND REQUIREMENTS OF THE "GENERAL GRADING AND PLANTING NOTES" AND SPECIFICATIONS).

ROOT BARRIERS

THE CONTRACTOR SHALL INSTALL ROOT BARRIERS NEAR ALL NEWLY-PLANTED TREES THAT ARE LOCATED WITHIN FIVE (5) FEET OF PAVING OR CURBS. ROOT BARRIERS SHALL BE "CENTURY" OR "DEEP-ROOT" 24" DEEP PANELS (OR EQUAL). BARRIERS SHALL BE LOCATED IMMEDIATELY ADJACENT TO HARDSCAPE. INSTALL PANELS PER MANUFACTURER'S RECOMMENDATIONS. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR USE ROOT BARRIERS OF A TYPE THAT COMPLETELY ENCIRCLE THE ROOTBALL.

PLANT SCHEDULE

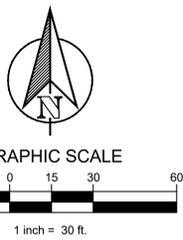
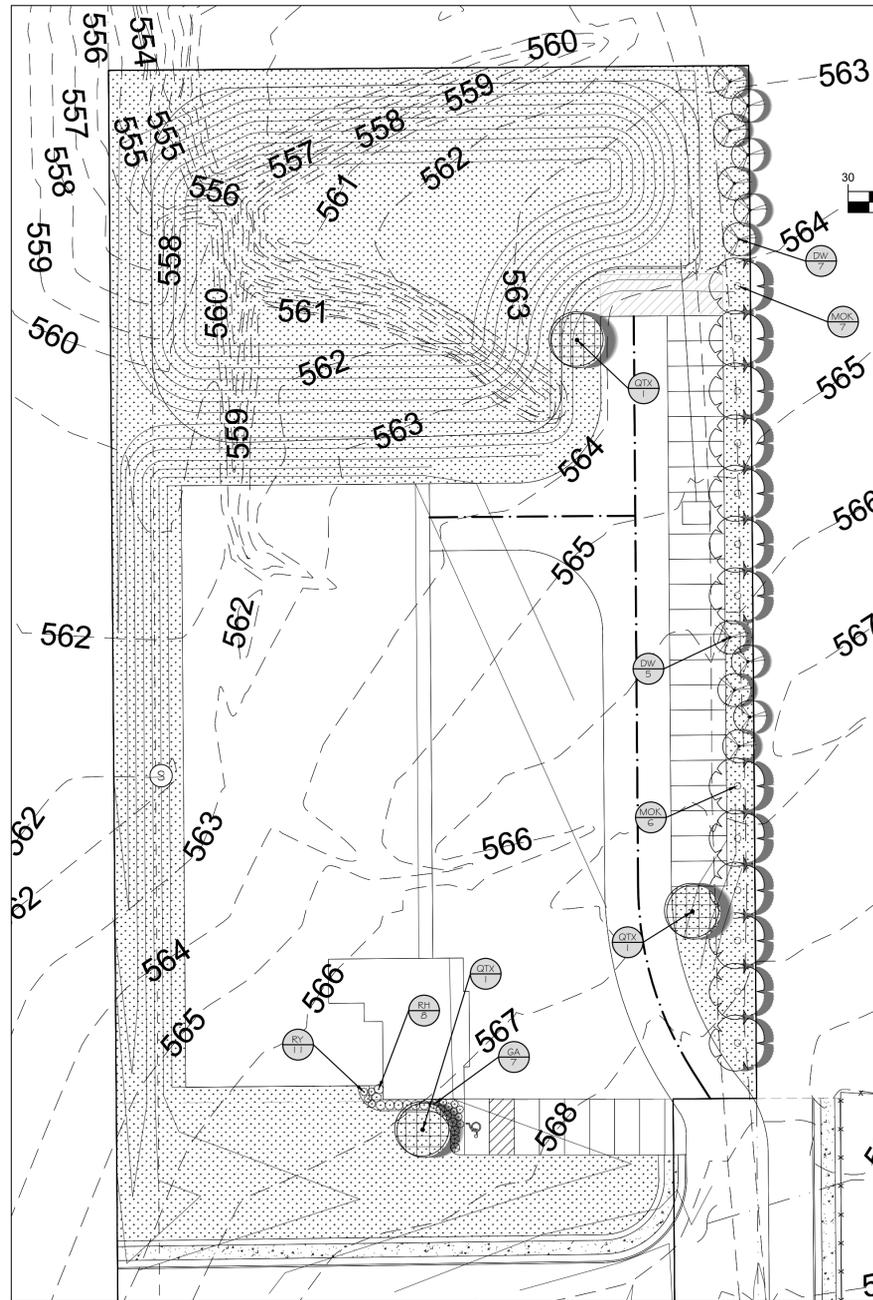
TREES	CODE	COMMON / BOTANICAL NAME	SIZE	CONTAINER	QTY
	DW	Desert Willow / <i>Chilopsis linearis</i> min. 12' ht; street tree	3" Cal.	Cont.	12
	MOK	Monterey Oak / <i>Quercus polymorpha</i> "Monterey" min. 12' ht; street tree	3" Cal.	Cont.	13
	QTX	Shumard Oak / <i>Quercus shumardii</i> min. 12' ht; parking lot tree	3" Cal.	Cont.	3
SHRUBS	CODE	COMMON / BOTANICAL NAME	SIZE	QTY	
	GA	Glossy Abelia / <i>Abelia grandiflora</i> 36" o.c.	5 gal	7	
	RY	Red Yucca / <i>Hesperaloe parviflora</i> 30" o.c.	3 gal	11	
	RH	Indian Hawthorn / <i>Raphiolepis Indica</i> "Snow" 36" o.c.	5 gal	8	
GROUND COVERS	CODE	COMMON / BOTANICAL NAME	SIZE	QTY	
	CD	Bermuda Grass / <i>Cynodon dactylon</i> "tif 419"	sod	75,040 sf	

LANDSCAPE STANDARDS

05.01 LANDSCAPE BUFFERS - NON-RESIDENTIAL	
ENTERPRISE DR.: #365' STREET FRONTAGE	20' WIDE BUFFER REQ. W/ 3 CANOPY + 4 ACCENT TREE PER 100 LIN. FT. OF FRONTAGE; GROUND COVER, BUILT UP BERM AND SHRUBBERY ALONG ENTIRE FRONTAGE, 30" HIGH, MIN.
REQUIRED PLANTING: PROVIDED 30' BUFFER:	13 CANOPY TREES, 12 ACCENT TREES, W/ SHRUBS 13 NEW CANOPY TREES; 12 ACCENT TREES
WEST PROPERTY LINE BUFFER:	NOT REQUIRED. PROPERTY ZONED COMMERCIAL (C)
05.02 LANDSCAPE SCREENING	
REQ. HEADLIGHT SCREENING	HEAD-IN PARKING ADJ. TO STREET SHALL INCORP. MIN. 2' BERM W/ MATURE EVERGREEN SHRUBS ALONG ENTIRE PARKING AREAS
PROVIDED SCREENING SCREENING FROM RESIDENTIAL	N/A N/A
05.03 LANDSCAPE REQUIREMENTS - COMMERCIAL (C) DISTRICT	
TOTAL SITE AREA:	144,251 SF
LANDSCAPE AREA REQUIRED TOTAL SITE:	28,850 SF (20%)
LANDSCAPE PROVIDED, TOTAL SITE:	±29,121 SF
LOCATION OF LANDSCAPING:	MIN. 50% OF REQ. LANDSCAPING SHALL BE LOCATED IN THE FRONT OF & ALONG THE SIDE OF BUILDINGS W/ STREET FRONTAGE.
LANDSCAPE AREAS IN FRONT & SIDES OF BUILDINGS:	102,608 SF (17.4%)
MIN. SIZE OF AREAS:	ALL REQ. LANDSCAPING SHALL BE NO LESS THAN 5' WIDE AND A MIN. OF 25 SF IN AREA
PARKING LOT LANDSCAPING	MIN. 5% OR 200 SF OF LANDSCAPING, WHICHEVER IS GREATER, IN THE INTERIOR OF PARKING LOT AREA.
PROPOSED PARKING AREA: REQ. PARKING LOT LANDSCAPING:	±6,400 SF ±320 SF (6,400 x 5%) AND (1) LG. CANOPY TREE FOR EVERY 10 PARKING SPACES INTERNAL TO PARKING AREAS (PARKING AREA OVER 20,000 SF) REQ. PARKING SPACES MUST BE WITHIN 80' OF A CANOPY TREE TRUNK
PROPOSED PARKING LOT LANDSCAPING:	±1,200 SF 28 PARKING SPACES / 10 = 28 (3) TREES 3 CANOPY TREES
TREES PROVIDED:	3 CANOPY TREES

GENERAL GRADING AND PLANTING NOTES

- BY SUBMITTING A PROPOSAL FOR THE LANDSCAPE PLANTING SCOPE OF WORK, THE CONTRACTOR CONFIRMS THAT HE HAS READ, AND WILL COMPLY WITH, THE ASSOCIATED NOTES, SPECIFICATIONS, AND DETAILS WITH THIS PROJECT.
- THE GENERAL CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL EXISTING VEGETATION (EXCEPT WHERE NOTED TO REMAIN).
- IN THE CONTEXT OF THESE PLANS, NOTES, AND SPECIFICATIONS, "FINISH GRADE" REFERS TO THE FINAL ELEVATION OF THE SOIL SURFACE (NOT TOP OF MULCH) AS INDICATED ON THE GRADING PLANS.
 - BEFORE STARTING WORK, THE LANDSCAPE CONTRACTOR SHALL VERIFY THAT THE ROUGH GRADES OF ALL LANDSCAPE AREAS ARE WITHIN ±0.1' OF FINISH GRADE. SEE SPECIFICATIONS FOR MORE DETAILED INSTRUCTION ON TURF AREA AND PLANTING BED PREPARATION.
 - CONSTRUCT AND MAINTAIN FINISH GRADES AS SHOWN ON GRADING PLANS, AND CONSTRUCT AND MAINTAIN SLOPES AS RECOMMENDED BY THE GEOTECHNICAL REPORT. ALL LANDSCAPE AREAS SHALL HAVE POSITIVE DRAINAGE AWAY FROM STRUCTURES AT THE MINIMUM SLOPE SPECIFIED IN THE REPORT AND ON THE GRADING PLANS, AND AREAS OF POTENTIAL PONDING SHALL BE REGRADED TO BLEND IN WITH THE SURROUNDING GRADES AND ELIMINATE PONDING POTENTIAL.
 - THE LANDSCAPE CONTRACTOR SHALL DETERMINE WHETHER OR NOT THE EXPORT OF ANY SOIL WILL BE NEEDED, TAKING INTO ACCOUNT THE ROUGH GRADE PROVIDED, THE AMOUNT OF SOIL AMENDMENTS TO BE ADDED (BASED ON A SOIL TEST PER SPECIFICATIONS), AND THE FINISH GRADES TO BE ESTABLISHED.
 - AFTER INSTALLING SOIL AMENDMENTS IN SHRUB AREAS, AND IN ORDER TO ALLOW FOR PROPER MULCH DEPTH, ENSURE THAT THE FINISH GRADE IMMEDIATELY ADJACENT TO WALKS AND OTHER WALKING SURFACES IS 3" BELOW FINISH GRADE, TAPERING TO MEET FINISH GRADE AT APPROXIMATELY 18" AWAY FROM THE SURFACE.
 - AFTER INSTALLING SOIL AMENDMENTS IN TURF AREAS, ENSURE THAT THE FINISH GRADE IN TURF AREAS IMMEDIATELY ADJACENT TO WALKS AND OTHER WALKING SURFACES IS 1" BELOW FINISH GRADE, TAPERING TO MEET FINISH GRADE AT APPROXIMATELY 18" AWAY FROM THE SURFACE.
 - SHOULD ANY CONFLICTS AND/OR DISCREPANCIES ARISE BETWEEN THE GRADING PLANS, GEOTECHNICAL REPORT, THESE NOTES AND PLANS, AND ACTUAL CONDITIONS, THE CONTRACTOR SHALL IMMEDIATELY BRING SUCH ITEMS TO THE ATTENTION OF THE LANDSCAPE ARCHITECT, GENERAL CONTRACTOR, AND OWNER.
- ALL PLANT LOCATIONS ARE DIAGRAMMATIC. ACTUAL LOCATIONS SHALL BE VERIFIED WITH THE LANDSCAPE ARCHITECT OR DESIGNER PRIOR TO PLANTING. THE LANDSCAPE CONTRACTOR SHALL ENSURE THAT ALL REQUIREMENTS OF THE PERMITTING AUTHORITY ARE MET (I.E., MINIMUM PLANT QUANTITIES, PLANTING METHODS, TREE PROTECTION METHODS, ETC.).
 - THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR DETERMINING PLANT QUANTITIES; PLANT QUANTITIES SHOWN ON LEGENDS AND CALLOUTS ARE FOR GENERAL INFORMATION ONLY. IN THE EVENT OF A DISCREPANCY BETWEEN THE PLAN AND THE PLANT LEGEND, THE PLANT QUANTITY AS SHOWN ON THE PLAN (FOR INDIVIDUAL SYMBOLS) OR CALLOUT (FOR GROUND COVER PATTERNS) SHALL TAKE PRECEDENCE.
 - NO SUBSTITUTIONS OF PLANT MATERIALS SHALL BE ALLOWED WITHOUT THE WRITTEN PERMISSION OF THE LANDSCAPE ARCHITECT.** IF SOME OF THE PLANTS ARE NOT AVAILABLE, THE LANDSCAPE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT IN WRITING (VIA PROPER CHANNELS).
 - THE CONTRACTOR SHALL, AT A MINIMUM, PROVIDE REPRESENTATIVE PHOTOS OF ALL PLANTS PROPOSED FOR THE PROJECT. THE CONTRACTOR SHALL ALLOW THE LANDSCAPE ARCHITECT AND THE OWNER/OWNER'S REPRESENTATIVE TO INSPECT, AND APPROVE OR REJECT, ALL PLANTS DELIVERED TO THE JOBSITE. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS FOR SUBMITTALS.
- THE CONTRACTOR SHALL MAINTAIN THE LANDSCAPE IN A HEALTHY CONDITION FOR 90 DAYS AFTER ACCEPTANCE BY THE OWNER. REFER TO SPECIFICATIONS FOR CONDITIONS OF ACCEPTANCE FOR THE START OF THE MAINTENANCE PERIOD, AND FOR FINAL ACCEPTANCE AT THE END OF THE MAINTENANCE PERIOD.
- PROVIDE HYDROMULCH FOR ALL DISTURBED LANDSCAPE AREAS OUTSIDE PROPERTY LIMITS.
- SEE SPECIFICATIONS AND DETAILS FOR FURTHER REQUIREMENTS.



PLANTING AND IRRIGATION GUARANTEE

THE LANDSCAPE CONTRACTOR SHALL GUARANTEE THAT ALL NEWLY INSTALLED AND EXISTING PLANTS SHALL SURVIVE FOR ONE YEAR AFTER FINAL OWNER ACCEPTANCE OF THE INSTALLATION WORK. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR APPROPRIATE WATERING OF THE LANDSCAPE THROUGH INSTALLATION OF A PROPERLY DESIGNED IRRIGATION SYSTEM. THE OWNER SHALL APPROVE THE SYSTEM DESIGN BEFORE INSTALLATION OF PLANTS OR IRRIGATION.

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9-18-23

Project Name
Arms of America
Rockwall, TX

LANDSCAPE
PLANTING

Date Comment

Project Number

Date XX/XX/2018

Drawn By LML

Checked By LML/RM

LP-1

PLANTING SPECIFICATIONS

GENERAL

- A. QUALIFICATIONS OF LANDSCAPE CONTRACTOR**
- ALL LANDSCAPE WORK SHOWN ON THESE PLANS SHALL BE PERFORMED BY A SINGLE FIRM SPECIALIZING IN LANDSCAPE PLANTING.
 - A LIST OF SUCCESSFULLY COMPLETED PROJECTS OF THIS TYPE, SIZE AND NATURE MAY BE REQUESTED BY THE OWNER FOR FURTHER QUALIFICATION MEASURES.
 - THE LANDSCAPE CONTRACTOR MUST HOLD A VALID NURSERY AND FLORAL CERTIFICATE ISSUED BY THE TEXAS DEPARTMENT OF AGRICULTURE, AS WELL AS OPERATE UNDER A COMMERCIAL PESTICIDE APPLICATOR LICENSE ISSUED BY EITHER THE TEXAS DEPARTMENT OF AGRICULTURE OR THE TEXAS STRUCTURAL PEST CONTROL BOARD.
- B. SCOPE OF WORK**
- WORK COVERED BY THESE SECTIONS INCLUDES THE FURNISHING AND PAYMENT OF ALL MATERIALS, LABOR, SERVICES, EQUIPMENT, LICENSES, TAXES AND ANY OTHER ITEMS THAT ARE NECESSARY FOR THE EXECUTION, INSTALLATION AND COMPLETION OF ALL WORK, SPECIFIED HEREIN AND / OR SHOWN ON THE LANDSCAPE PLANS, NOTES, AND DETAILS.
 - ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE LAWS, CODES AND REGULATIONS REQUIRED BY AUTHORITIES HAVING JURISDICTION OVER SUCH WORK, INCLUDING ALL INSPECTIONS AND PERMITS REQUIRED BY FEDERAL, STATE AND LOCAL AUTHORITIES IN SUPPLY, TRANSPORTATION AND INSTALLATION OF MATERIALS.
 - THE LANDSCAPE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UNDERGROUND UTILITY LINES (WATER, SEWER, ELECTRICAL, TELEPHONE, GAS, CABLE, TELEVISION, ETC.) PRIOR TO THE START OF ANY WORK.

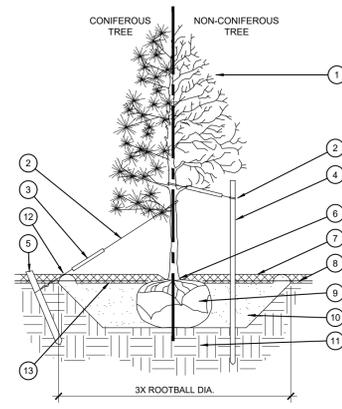
PRODUCTS

- A. ALL MANUFACTURED PRODUCTS SHALL BE NEW.**
- B. CONTAINER AND BALLED-AND-BURLAPPED PLANTS:**
- FURNISH NURSERY-GROWN PLANTS COMPLYING WITH ANSI Z60.1-2004. PROVIDE WELL-SHAPED, FULLY BRANCHED, HEALTHY, VIGOROUS STOCK FREE OF DISEASE, INSECTS, EGGS, LARVAE, AND DEFECTS SUCH AS KNOTS, SUN SCALD, INJURIES, ABRASIONS, AND DISFIGUREMENT. ALL PLANTS WITHIN A SPECIES SHALL HAVE SIMILAR SIZE, AND SHALL BE OF A FORM TYPICAL FOR THE SPECIES. ALL TREES SHALL BE OBTAINED FROM SOURCES WITHIN 200 MILES OF THE PROJECT SITE, AND WITH SIMILAR CLIMATIC CONDITIONS.
 - ROOT SYSTEMS SHALL BE HEALTHY, DENSELY BRANCHED, FIBROUS ROOT SYSTEMS, NON-POT-BOUND, FREE FROM ENCIRCLING AND/OR GIRDLING ROOTS, AND FREE FROM ANY OTHER ROOT DEFECTS (SUCH AS "SHARPED ROOTS").
 - ANY PLANT DEEMED UNACCEPTABLE BY THE LANDSCAPE ARCHITECT OR OWNER SHALL BE IMMEDIATELY REMOVED FROM THE SITE AND SHALL BE REPLACED WITH AN ACCEPTABLE PLANT OF LIKE TYPE AND SIZE AT THE CONTRACTOR'S OWN EXPENSE. ANY PLANTS APPEARING TO BE UNHEALTHY, EVEN IF DETERMINED TO STILL BE ALIVE, SHALL NOT BE ACCEPTED. THE LANDSCAPE ARCHITECT AND OWNER SHALL BE THE SOLE JUDGES AS TO THE ACCEPTABILITY OF PLANT MATERIAL.
 - ALL TREES SHALL BE STANDARD IN FORM, UNLESS OTHERWISE SPECIFIED. TREES WITH CENTRAL LEADERS WILL NOT BE ACCEPTED IF LEADER IS DAMAGED OR REMOVED. PRUNE ALL DAMAGED TWIGS AFTER PLANTING.
 - CALIPER MEASUREMENTS FOR STANDARD (SINGLE TRUNK) TREES SHALL BE AS FOLLOWS: SIX INCHES ABOVE THE ROOT FLARE FOR TREES UP TO AND INCLUDING FOUR INCHES IN CALIPER, AND TWELVE INCHES ABOVE THE ROOT FLARE FOR TREES EXCEEDING FOUR INCHES IN CALIPER. MULTI-TRUNK TREES SHALL BE MEASURED BY THEIR OVERALL HEIGHT, MEASURED FROM THE TOP OF THE ROOT BALL.
 - ANY TREE OR SHRUB SHOWN TO HAVE EXCESS SOIL PLACED ON TOP OF THE ROOT BALL, SO THAT THE ROOT FLARE HAS BEEN COMPLETELY COVERED, SHALL BE REJECTED.
- C. SOD:** PROVIDE WELL-ROOTED SOD OF THE VARIETY NOTED ON THE PLANS. SOD SHALL BE CUT FROM HEALTHY, MATURE TURF WITH SOIL THICKNESS OF 3/4" TO 1". EACH Pallet OF SOD SHALL BE ACCOMPANIED BY A CERTIFICATE FROM SUPPLIER STATING THE COMPOSITION OF THE SOD.
- D. SEED:** PROVIDE BLEND OF SPECIES AND VARIETIES AS NOTED ON THE PLANS, WITH MAXIMUM PERCENTAGES OF PURITY, GERMINATION, AND MINIMUM PERCENTAGE OF WEED SEED AS INDICATED ON PLANS. EACH BAG OF SEED SHALL BE ACCOMPANIED BY A TAG FROM THE SUPPLIER INDICATING THE COMPOSITION OF THE SEED.
- E. TOPSOIL:** SANDY TO CLAY LOAM TOPSOIL, FREE OF STONES LARGER THAN 1/2 INCH, FOREIGN MATTER, PLANTS, ROOTS, AND SEEDS.
- F. COMPOST:** WELL-COMPOSTED, STABLE, AND WEED-FREE ORGANIC MATTER, pH RANGE OF 5.5 TO 8; MOISTURE CONTENT 35 TO 55 PERCENT BY WEIGHT; 100 PERCENT PASSING THROUGH 3/4-INCH SIEVE; SOLUBLE SALT CONTENT OF 5 TO 10 DECISEMENS/M; NOT EXCEEDING 0.5 PERCENT INERT CONTAMINANTS AND FREE OF SUBSTANCES TOXIC TO PLANTINGS. NO MANURE OR ANIMAL-BASED PRODUCTS SHALL BE USED.
- G. PLANTING MIX:** AN EQUAL PART MIXTURE OF TOPSOIL, SAND AND COMPOST.
- H. FERTILIZER:** GRANULAR FERTILIZER CONSISTING OF NITROGEN, PHOSPHORUS, POTASSIUM, AND OTHER NUTRIENTS IN PROPORTIONS, AMOUNTS, AND RELEASE RATES RECOMMENDED IN A SOIL REPORT FROM A QUALIFIED SOIL-TESTING AGENCY (SEE BELOW).
- I. MULCH:** SIZE AND TYPE AS INDICATED ON PLANS, FREE FROM DELETERIOUS MATERIALS AND SUITABLE AS A TOP DRESSING OF TREES AND SHRUBS.
- J. WEED FABRIC:** 5 OUNCE, WOVEN, NEEDLE-PUNCHED FABRIC, SUCH AS DEWITT PRO5 LANDSCAPE FABRIC (OR APPROVED EQUAL).
- K. TREE STAKING AND GUYING**
- STAKES: 6" LONG GREEN METAL T-POSTS.
 - GUY AND TIE WIRE: ASTM A 641, CLASS 1, GALVANIZED-STEEL WIRE, 2-STRAND, TWISTED, 0.106 INCH DIAMETER.
 - STRAP CHAFING GUARD: REINFORCED NYLON OR CANVAS AT LEAST 1-1/2 INCH WIDE, WITH GROMMETS TO PROTECT TREE TRUNKS FROM DAMAGE.
- L. STEEL EDGING:** PROFESSIONAL STEEL EDGING, 14 GAUGE THICK X 4 INCHES WIDE, FACTORY PAINTED DARK GREEN. ACCEPTABLE MANUFACTURERS INCLUDE COL-MET OR APPROVED EQUAL.
- M. PRE-EMERGENT HERBICIDES:** ANY GRANULAR, NON-STAINING PRE-EMERGENT HERBICIDE THAT IS LABELED FOR THE SPECIFIC ORNAMENTALS OR TURF ON WHICH IT WILL BE UTILIZED. PRE-EMERGENT HERBICIDES SHALL BE APPLIED PER THE MANUFACTURER'S LABELED RATES.

METHODS

- A. SOIL PREPARATION**
- BEFORE STARTING WORK, THE LANDSCAPE CONTRACTOR SHALL VERIFY THAT THE GRADE OF ALL LANDSCAPE AREAS ARE WITHIN +/-0.1' OF FINISH GRADE. THE CONTRACTOR SHALL NOTIFY THE OWNER IMMEDIATELY SHOULD ANY DISCREPANCIES EXIST.
 - SOIL TESTING:
 - AFTER FINISH GRADES HAVE BEEN ESTABLISHED, CONTRACTOR SHALL HAVE SOIL SAMPLES TESTED BY AN ESTABLISHED SOIL TESTING LABORATORY FOR THE FOLLOWING: SOIL TEXTURAL CLASS, GENERAL SOIL FERTILITY, pH, ORGANIC MATTER CONTENT, SALT (CEC), LIME, SODIUM ADSORPTION RATIO (SAR) AND BORON CONTENT. EACH SAMPLE SUBMITTED SHALL CONTAIN NO LESS THAN ONE QUART OF SOIL.
 - CONTRACTOR SHALL ALSO SUBMIT THE PROJECTS PLANT LIST TO THE LABORATORY ALONG WITH THE SOIL SAMPLES.
 - THE SOIL REPORT PRODUCED BY THE LABORATORY SHALL CONTAIN RECOMMENDATIONS FOR THE FOLLOWING (AS APPROPRIATE): GENERAL SOIL PREPARATION AND BACKFILL MIXES, PRE-PLANT FERTILIZER APPLICATIONS, AND ANY OTHER SOIL RELATED ISSUES. THE REPORT SHALL ALSO PROVIDE A FERTILIZER PROGRAM FOR THE ESTABLISHMENT PERIOD AND FOR LONG-TERM MAINTENANCE.
 - THE CONTRACTOR SHALL INSTALL SOIL AMENDMENTS AND FERTILIZERS PER THE SOILS REPORT RECOMMENDATIONS. ANY CHANGE IN COST DUE TO THE SOIL REPORT RECOMMENDATIONS, EITHER INCREASE OR DECREASE, SHALL BE SUBMITTED TO THE OWNER WITH THE REPORT.
 - FOR BIDDING PURPOSES ONLY, THE SOIL PREPARATION SHALL CONSIST OF THE FOLLOWING:
 - TURF: INCORPORATE THE FOLLOWING AMENDMENTS INTO THE TOP 8" OF SOIL BY MEANS OF ROTOTILLING AFTER CROSS-RIPPING:
 - NITROGEN STABILIZED ORGANIC AMENDMENT - 4 CU. YDS. PER 1,000 S.F.
 - AMMONIUM PHOSPHATE 16-20-0 - 15 LBS PER 1,000 S.F.
 - AGRICULTURAL GYPSUM - 100 LBS PER 1,000 S.F.
 - TREES, SHRUBS, AND PERENNIALS: INCORPORATE THE FOLLOWING AMENDMENTS INTO THE TOP 8" OF SOIL BY MEANS OF ROTOTILLING AFTER CROSS-RIPPING:
 - NITROGEN STABILIZED ORGANIC AMENDMENT - 4 CU. YDS. PER 1,000 S.F.
 - 12-12-12 FERTILIZER - 10 LBS. PER CU. YD.
 - AGRICULTURAL GYPSUM - 10 LBS. PER CU. YD.
 - IRON SULPHATE - 2 LBS. PER CU. YD.
 - CONTRACTOR SHALL ENSURE THAT THE GRADE IN SOD AREAS SHALL BE 1" BELOW FINISH GRADE AFTER INSTALLING SOIL AMENDMENTS, AND 2" BELOW FINISH GRADE IN SHRUB AREAS AFTER INSTALLING SOIL AMENDMENTS. MULCH COVER WITHIN 6" OF CONCRETE WALKS AND CURBS SHALL NOT PROTRUDE ABOVE THE FINISH SURFACE OF THE WALKS AND CURBS. MULCH COVER WITHIN 12" OF WALLS SHALL BE AT LEAST 3" LOWER THAN THE TOP OF WALL.
 - ONCE SOIL PREPARATION IS COMPLETE, THE LANDSCAPE CONTRACTOR SHALL ENSURE THAT THERE ARE NO DEBRIS, TRASH, OR STONES LARGER THAN 1" REMAINING IN THE TOP 6" OF SOIL.

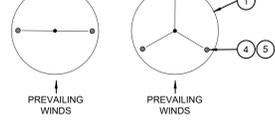
- B. GENERAL PLANTING**
- REMOVE ALL NURSERY TAGS AND STAKES FROM PLANTS.
 - EXCEPT IN AREAS TO BE PLANTED WITH ORNAMENTAL GRASSES, APPLY PRE-EMERGENT HERBICIDES AT THE MANUFACTURER'S RECOMMENDED RATE.
 - TRENCHING NEAR EXISTING TREES:
 - CONTRACTOR SHALL NOT DISTURB ROOTS 1-1/2" AND LARGER IN DIAMETER WITHIN THE CRITICAL ROOT ZONE (CRZ) OF EXISTING TREES, AND SHALL EXERCISE ALL POSSIBLE CARE AND PRECAUTIONS TO AVOID INJURY TO TREE ROOTS, TRUNKS, AND BRANCHES. THE CRZ IS DEFINED AS A CIRCULAR AREA EXTENDING OUTWARD FROM THE TREE TRUNK, WITH A RADIUS EQUAL TO 1" FOR EVERY 1" OF TRUNK DIAMETER-AT-BREAST-HEIGHT (4.5' ABOVE THE GRADE AT THE TRUNK).
 - ALL EXCAVATION WITHIN THE CRZ SHALL BE PERFORMED USING HAND TOOLS. NO MACHINE EXCAVATION OR TRENCHING OF ANY KIND SHALL BE ALLOWED WITHIN THE CRZ.
 - ALTER ALIGNMENT OF PIPE TO AVOID TREE ROOTS 1-1/2" AND LARGER IN DIAMETER. WHERE TREE ROOTS 1-1/2" AND LARGER IN DIAMETER ARE ENCOUNTERED IN THE FIELD, TUNNEL UNDER SUCH ROOTS. WRAP EXPOSED ROOTS WITH SEVERAL LAYERS OF BURLAP AND KEEP MOIST. CLOSE ALL TRENCHES WITHIN THE CANOPY DRIP LINES WITHIN 24 HOURS.
 - ALL SEVERED ROOTS SHALL BE HAND PRUNED WITH SHARP TOOLS AND ALLOWED TO AIR-DRY. DO NOT USE ANY SORT OF SEALERS OR WOUND PAINTS.
- C. TREE PLANTING**
- TREE PLANTING HOLES SHALL BE EXCAVATED TO MINIMUM WIDTH OF TWO TIMES THE WIDTH OF THE ROOTBALL, AND TO A DEPTH EQUAL TO THE DEPTH OF THE ROOTBALL, LESS TWO INCHES. SCARIFY THE SIDES AND BOTTOM OF THE PLANTING HOLE PRIOR TO THE PLACEMENT OF THE TREE. REMOVE ANY GLAZING THAT MAY HAVE BEEN CAUSED DURING THE EXCAVATION OF THE HOLE.
 - FOR CONTAINER TREES, TO REMOVE ANY POTENTIALLY GIRDLING ROOTS AND OTHER ROOT DEFECTS, THE CONTRACTOR SHALL SHAVE A 1" LAYER OFF OF THE SIDES AND BOTTOM OF THE ROOTBALL OF ALL TREES JUST BEFORE PLACING INTO THE PLANTING PIT. DO NOT "TEASE" ROOTS OUT FROM THE ROOTBALL.
 - INSTALL THE TREE ON UNDISTURBED SUBGRADE SO THAT THE TOP OF THE ROOTBALL IS TWO TO THREE INCHES ABOVE THE SURROUNDING GRADE.
 - BACKFILL THE TREE HOLE UTILIZING THE EXISTING TOPSOIL FROM ON-SITE. ROCKS LARGER THAN 1" DIA. AND ALL OTHER DEBRIS SHALL BE REMOVED FROM THE SOIL PRIOR TO THE BACKFILL. SHOULD ADDITIONAL SOIL BE REQUIRED TO ACCOMPLISH THIS TASK, IMPORT ADDITIONAL TOPSOIL FROM OFF-SITE AT NO ADDITIONAL COST TO THE OWNER.
 - THE TOTAL NUMBER OF TREE STAKES (BEYOND THE MINIMUMS LISTED BELOW) WILL BE LEFT TO THE LANDSCAPE CONTRACTOR'S DISCRETION. SHOULD ANY TREES FALL OR LEAN, THE LANDSCAPE CONTRACTOR SHALL STRAIGHTEN THE TREE OR REPLACE IT SHOULD IT BECOME DAMAGED. TREE STAKING SHALL ADHERE TO THE FOLLOWING GUIDELINES:
 - 15 - 30 GAL TREES TWO STAKES PER TREE
 - 45 - 100 GAL TREES THREE STAKES PER TREE
 - MULTI-TRUNK TREES THREE STAKES PER TREE MINIMUM, POSITIONED AS NEEDED TO STABILIZE THE TREE
 - UPON COMPLETION OF PLANTING, CONSTRUCT AN EARTH WATERING BASIN AROUND THE TREE. COVER THE INTERIOR OF THE TREE RING WITH THE WEED BARRIER CLOTH AND TOPDRESS WITH MULCH (TYPE AND DEPTH PER PLANS).
- D. SHRUB, PERENNIAL, AND GROUND-COVER PLANTING**
- DIG THE PLANTING HOLES TWICE AS WIDE AND 2" LESS DEEP THAN EACH PLANT'S ROOTBALL. INSTALL THE PLANT IN THE HOLE. BACKFILL AROUND THE PLANT WITH SOIL AMENDED PER SOIL TEST RECOMMENDATIONS.
 - INSTALL THE WEED BARRIER CLOTH, OVERLAPPING IT AT THE ENDS. UTILIZE STEEL STAPLES TO KEEP THE WEED BARRIER CLOTH IN PLACE.
 - WHEN PLANTING IS COMPLETE, INSTALL MULCH (TYPE AND DEPTH PER PLANS) OVER ALL PLANTING BEDS, COVERING THE ENTIRE PLANTING AREA.
- E. SODDING**
- SOD VARIETY TO BE AS SPECIFIED ON THE LANDSCAPE PLAN.
 - LAY SOD WITHIN 24 HOURS FROM THE TIME OF STRIPPING. DO NOT LAY IF THE GROUND IS FROZEN.
 - LAY THE SOD TO FORM A SOLID MASS WITH TIGHTLY FITTED JOINTS. BUTT ENDS AND SIDES OF SOD STRIPS - DO NOT OVERLAP. STAGGER STRIPS TO OFFSET JOINTS IN ADJACENT COURSES.
 - ROLL THE SOD TO ENSURE GOOD CONTACT OF THE SOD'S ROOT SYSTEM WITH THE SOIL UNDERNEATH.
 - WATER THE SOD THOROUGHLY WITH A FINE SPRAY IMMEDIATELY AFTER PLANTING TO OBTAIN AT LEAST SIX INCHES OF PENETRATION INTO THE SOIL BELOW THE SOD.
- F. HYDROMULCHING**
- THE HYDROMULCH MIX (PER 1,000 SF) SHALL BE AS FOLLOWS:
 - WINTER MIX (OCTOBER 1 - MARCH 31)
 - 50# CELLULOSE FIBER MULCH
 - 2# UNHULLED BERMUDA SEED
 - 2# ANNUAL RYE SEED
 - 15# 15-15-15 WATER SOLUBLE FERTILIZER
 - SUMMER MIX (APRIL 1 - SEPTEMBER 30)
 - 50# CELLULOSE FIBER MULCH
 - 2# HULLED BERMUDA SEED
 - 15# 15-15-15 WATER SOLUBLE FERTILIZER
- G. CLEAN UP**
- DURING LANDSCAPE PREPARATION AND PLANTING, KEEP ALL PAVEMENT CLEAN AND ALL WORK AREAS IN A NEAT, ORDERLY CONDITION.
 - DISPOSED LEGALLY OF ALL EXCAVATED MATERIALS OFF THE PROJECT SITE.
- H. INSPECTION AND ACCEPTANCE**
- UPON COMPLETION OF THE WORK, THE LANDSCAPE CONTRACTOR SHALL PROVIDE THE SITE CLEAN, FREE OF DEBRIS AND TRASH, AND SUITABLE FOR USE AS INTENDED. THE LANDSCAPE CONTRACTOR SHALL THEN REQUEST AN INSPECTION BY THE OWNER TO DETERMINE FINAL ACCEPTABILITY.
 - WHEN THE INSPECTED PLANTING WORK DOES NOT COMPLY WITH THE CONTRACT DOCUMENTS, THE LANDSCAPE CONTRACTOR SHALL REPLACE AND/OR REPAIR THE REJECTED WORK TO THE OWNER'S SATISFACTION WITHIN 24 HOURS.
 - THE LANDSCAPE MAINTENANCE PERIOD WILL NOT COMMENCE UNTIL THE LANDSCAPE WORK HAS BEEN RE-INSPECTED BY THE OWNER AND FOUND TO BE ACCEPTABLE. AT THAT TIME, A WRITTEN NOTICE OF FINAL ACCEPTANCE WILL BE ISSUED BY THE OWNER, AND THE MAINTENANCE AND GUARANTEE PERIODS WILL COMMENCE.
- I. LANDSCAPE MAINTENANCE**
- THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF ALL WORK SHOWN ON THESE PLANS FOR 90 DAYS BEYOND FINAL ACCEPTANCE OF ALL LANDSCAPE WORK BY THE OWNER. LANDSCAPE MAINTENANCE SHALL INCLUDE WEEKLY SITE VISITS FOR THE FOLLOWING ACTIONS (AS APPROPRIATE): PROPER PRUNING, RESTAKING OF TREES, RESETTling OF PLANTS THAT HAVE SETTLED, MOWING AND AERATION OF LAWNS, WEEDING, RESEEDING AREAS WHICH HAVE NOT GERMINATED WELL, TREATING FOR INSECTS AND DISEASES, REPLACEMENT OF MULCH, REMOVAL OF LITTER, REPAIRS TO THE IRRIGATION SYSTEM DUE TO FAULTY PARTS AND/OR WORKMANSHIP, AND THE APPROPRIATE WATERING OF ALL PLANTINGS. THE LANDSCAPE CONTRACTOR SHALL MAINTAIN THE IRRIGATION SYSTEM IN PROPER WORKING ORDER, WITH SCHEDULING ADJUSTMENTS BY SEASON TO MAXIMIZE WATER CONSERVATION.
 - SHOULD SEEDED AND/OR SODDED AREAS NOT BE COVERED BY AN AUTOMATIC IRRIGATION SYSTEM, THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR WATERING THESE AREAS AND OBTAINING A FULL, HEALTHY STAND OF GRASS AT NO ADDITIONAL COST TO THE OWNER.
 - TO ACHIEVE FINAL ACCEPTANCE AT THE END OF THE MAINTENANCE PERIOD, ALL OF THE FOLLOWING CONDITIONS MUST OCCUR:
 - THE LANDSCAPE SHALL SHOW ACTIVE, HEALTHY GROWTH (WITH EXCEPTIONS MADE FOR SEASONAL DORMANCY). ALL PLANTS NOT MEETING THIS CONDITION SHALL BE REJECTED AND REPLACED BY HEALTHY PLANT MATERIAL PRIOR TO FINAL ACCEPTANCE.
 - ALL HARDWARE SHALL BE CLEANED PRIOR TO FINAL ACCEPTANCE.
 - SODDED AREAS MUST BE ACTIVELY GROWING AND MUST REACH A MINIMUM HEIGHT OF 1 1/2 INCHES BEFORE FIRST MOWING. HYDROMULCHED AREAS SHALL SHOW ACTIVE, HEALTHY GROWTH. BARE AREAS LARGER THAN TWELVE SQUARE INCHES MUST BE RESEDED OR RESEED (AS APPROPRIATE) PRIOR TO FINAL ACCEPTANCE. ALL SODDED TURF SHALL BE NEATLY MOWED.
- J. WARRANTY PERIOD, PLANT GUARANTEE AND REPLACEMENTS**
- THE LANDSCAPE CONTRACTOR SHALL GUARANTEE ALL TREES, SHRUBS, PERENNIALS, SOD, SEEDED/HYDROMULCHED AREAS, AND IRRIGATION SYSTEMS FOR A PERIOD OF ONE YEAR FROM THE DATE OF THE OWNER'S FINAL ACCEPTANCE (90 DAYS FOR ANNUAL PLANTS). THE CONTRACTOR SHALL REPLACE, AT HIS OWN EXPENSE AND TO THE SATISFACTION OF THE OWNER, ANY PLANTS WHICH DIE IN THAT TIME, OR REPAIR ANY PORTIONS OF THE IRRIGATION SYSTEM WHICH OPERATE IMPROPERLY.
 - AFTER THE INITIAL MAINTENANCE PERIOD AND DURING THE GUARANTEE PERIOD, THE LANDSCAPE CONTRACTOR SHALL ONLY BE RESPONSIBLE FOR REPLACEMENT OF PLANTS WHEN PLANT DEATH CANNOT BE ATTRIBUTED DIRECTLY TO OVERWATERING OR OTHER DAMAGE BY HUMAN ACTIONS.
- K. PROVIDE A MINIMUM OF (2) COPIES OF RECORD DRAWINGS TO THE OWNER UPON COMPLETION OF WORK. A RECORD DRAWING IS A RECORD OF ALL CHANGES THAT OCCURRED IN THE FIELD AND THAT ARE DOCUMENTED THROUGH CHANGE ORDERS, ADDENDA, OR CONTRACTOR/CONSULTANT DRAWING MARKUPS.**



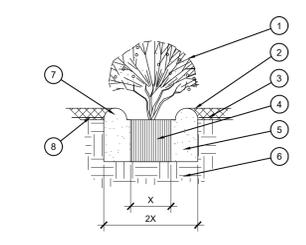
- TREE CANOPY.
- GUY WIRE (24" BOX TREES AND SMALLER) OR 12 GAUGE GALVANIZED WIRE WITH NYLON TREE STRAPS AT TREE AND STAKE (36" BOX TREES AND LARGER). SECURE TIES OR STRAPS TO TRUNK JUST ABOVE LOWEST MAJOR BRANCHES.
- 24" X 3/4" P.V.C. MARKERS OVER WIRES.
- GREEN STEEL T-POSTS. EXTEND POSTS 12" MIN. INTO UNDISTURBED SOIL.
- PRESSURE-TREATED WOOD DEADMAN, TWO PER TREE (MIN.). BURY OUTSIDE OF PLANTING PIT AND 18" MIN. INTO UNDISTURBED SOIL.
- TRUNK FLARE.
- MULCH, TYPE AND DEPTH PER PLANS. DO NOT PLACE MULCH WITHIN 6" OF TRUNK.
- WEED FABRIC UNDER MULCH.
- ROOT BALL.
- BACKFILL. AMEND AND FERTILIZE ONLY AS RECOMMENDED IN SOIL FERTILITY ANALYSIS.
- UNDISTURBED NATIVE SOIL.
- 4" HIGH EARTHEN WATERING BASIN.
- FINISH GRADE.

- NOTES:**
- SCARIFY SIDES OF PLANTING PIT PRIOR TO SETTING TREE.
 - REMOVE EXCESS SOIL APPLIED ON TOP OF THE ROOTBALL THAT COVERS THE ROOT FLARE. THE PLANTING HOLE DEPTH SHALL BE SUCH THAT THE ROOTBALL RESTS ON UNDISTURBED SOIL, AND THE ROOT FLARE IS 2"-3" ABOVE FINISH GRADE.
 - FOR BALLED-AND-BURLAPPED TREES, REMOVE WIRE BASKET AND BURLAP BEFORE BACKFILLING.
 - REMOVE ALL NURSERY STAKES AFTER PLANTING.
 - FOR TREES OVER 3" CALIPER AND TREES 36" BOX AND LARGER, USE THREE STAKES OR DEADMEN (AS APPROPRIATE), SPACED EVENLY AROUND TREE.
 - STAKING SHALL BE TIGHT ENOUGH TO PREVENT TRUNK FROM BENDING, BUT LOOSE ENOUGH TO ALLOW SOME TRUNK MOVEMENT IN WIND.

A TREE PLANTING



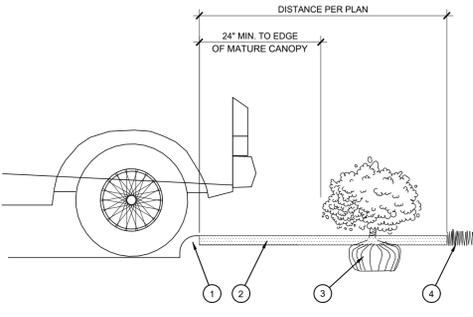
A TREE PLANTING
SCALE: NOT TO SCALE



- SHRUB, PERENNIAL, OR ORNAMENTAL GRASS.
- MULCH, TYPE AND DEPTH PER PLANS. PLACE NO MORE THAN 1" OF MULCH WITHIN 6" OF PLANT CENTER.
- FINISH GRADE.
- ROOT BALL.
- BACKFILL. AMEND AND FERTILIZE ONLY AS RECOMMENDED IN SOIL FERTILITY ANALYSIS.
- UNDISTURBED NATIVE SOIL.
- 3" HIGH EARTHEN WATERING BASIN.
- WEED FABRIC UNDER MULCH.

B SHRUB AND PERENNIAL PLANTING

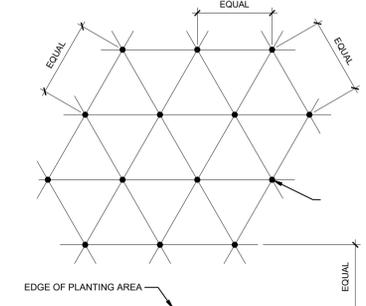
B SHRUB AND PERENNIAL PLANTING
SCALE: NTS



- CURB.
- MULCH LAYER.
- PLANT.
- TURF (WHERE SHOWN ON PLAN).

E HEDGE PLANTING AT PARKING AREA

E HEDGE PLANTING AT PARKING AREA
SCALE: NOT TO SCALE



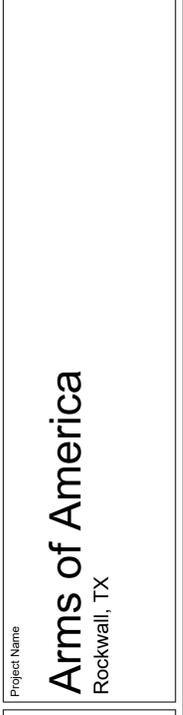
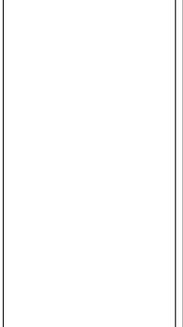
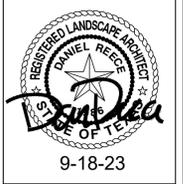
NOTE: ALL PLANTS SHALL BE PLANTED AT EQUAL TRIANGULAR SPACING (EXCEPT WHERE SHOWN ON PLANS AS INFORMAL GROUPINGS). REFER TO PLANT LEGEND FOR SPACING DISTANCE BETWEEN PLANTS.

PLANT SPACING	AREA DIVIDER TO DETERMINE NO. OF PLANTS
6"	0.25
8"	0.45
10"	0.69
12"	1.00
15"	1.56
18"	2.25
24"	4.00
30"	6.25
36"	9

EXAMPLE: PLANTS AT 18" O.C. IN 100 SF OF PLANTING AREA = 100/2.25 = 44 PLANTS

C PLANT SPACING

C PLANT SPACING
SCALE: NTS



LANDSCAPE DETAILS & SPECIFICATIONS

Date	Comment

Project Number: _____
 Date: XX/XX/2018
 Drawn By: LML
 Checked By: LML/RM

LP-2



- BLUE = NEW FIXTURE
- GREEN = EXISTING FIXTURE LOCATION TO BE REPLACED
- ORANGE = EXISTING FIXTURE TO REMAIN
- TURQUOISE = FIXTURE TO BE REMOVED
- PINK = REPLACE WITH NEW POLE AT NEW HEIGHT
- = PROPERTY LINE BASED ON COUNTY APPRAISAL INFORMATION
- = INDICATES NEW SECURITY FENCE
- = BURIED ELECTRICAL CIRCUIT



GMR Protection Resources
TX Registered Engineering Firm F-13803

SCALE: 3/64" = 1'-0"
V1 231016

REVISION NO.	DESCRIPTION	REVISED BY

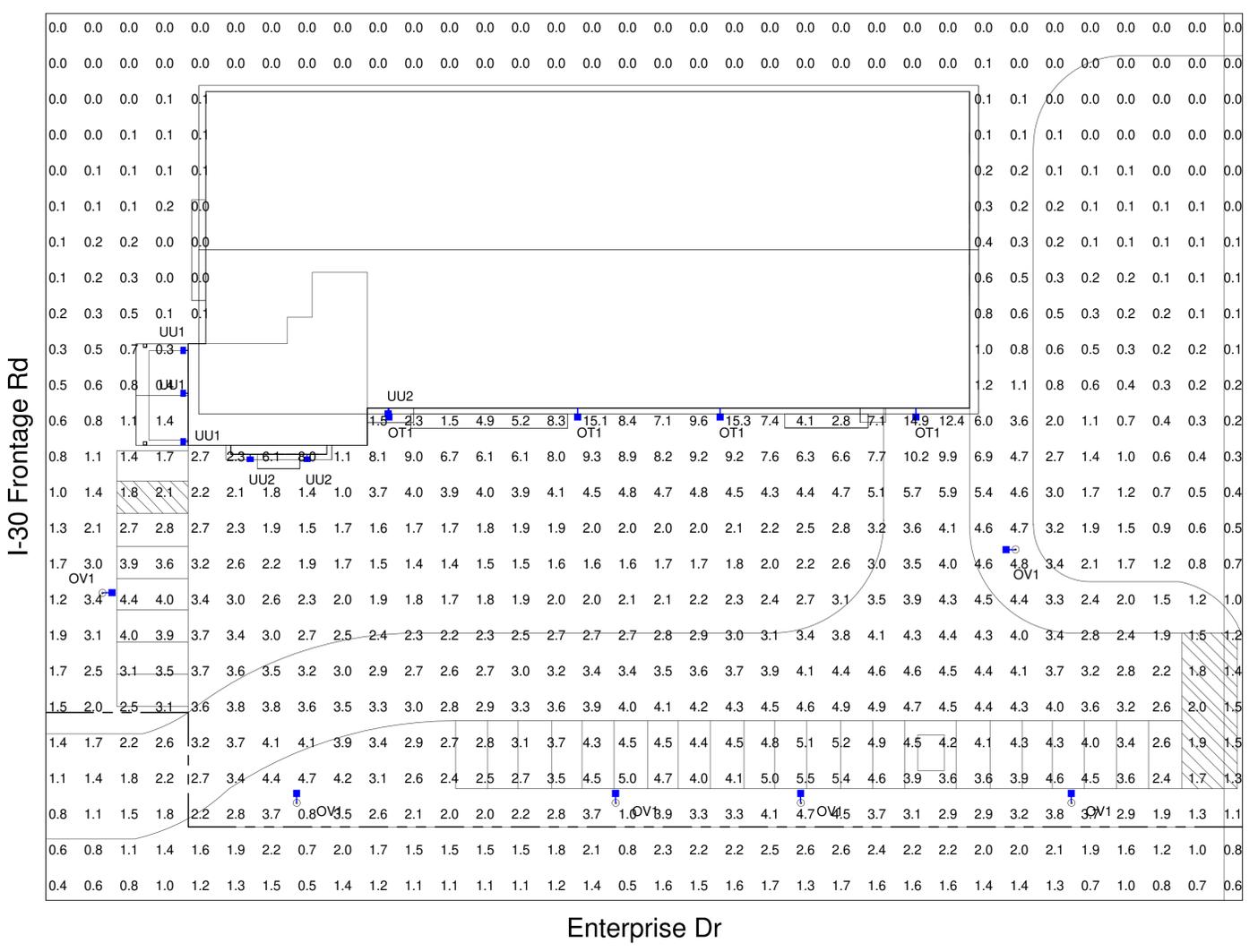


Rockwall - 1601 E I30
1601 E I30,
Rockwall, TX 75087

FULL SITE PHOTOMETRICS PLAN

DESIGNED BY:	CAS	DRAWN BY:	CAS
REVIEWED BY:	AWD	APPROVED BY:	KRM
SHEET NO.			

LU-4



- NOTES:
1. THE SCOPE OF WORK FOR THIS PROJECT IS LIMITED TO EXTERIOR LIGHTING RENOVATIONS AS SHOWN ON THE PLANS.
 2. ALL PROPOSED LIGHTS WILL BE FULL CUTOFF LED LIGHT FIXTURES.
 3. ALL EXISTING LIGHTS WILL BE REPLACED WITH FULL CUT OFF LED LIGHT FIXTURES.
 4. REFERENCE THE LUMINAIRE SCHEDULE (SHEET LU-2) FOR ADDITIONAL LIGHT FIXTURE INFORMATION.

CALCULATION SUMMARY FULL SITE					
Calculation Points Name	Average	Maximum	Minimum	Ave/Min	Max/Min
FULL SITE @ GRADE	2.2 fc	15.3 fc	0.0 fc	0.0 fc	0.0 fc
PARKING LOT @ 60" V	2.3 fc	13.1 fc	0.7 fc	3.1 fc	18.1 fc
PARKING LOT @ GRADE	4.0 fc	16.5 fc	0.7 fc	5.3 fc	22.1 fc

THIS LIGHTING PLAN ILLUSTRATES ILLUMINATE LEVELS CALCULATED FROM LABORATORY DATA UNDER CONTROLLED CONDITIONS IN ACCORDANCE WITH ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICAN (IESNA) APPROVED METHODS. ACTUAL SITE ILLUMINATION LEVELS AND PERFORMANCE OF LUMINAIRES MAY VARY DUE TO VARIATIONS IN WEATHER, ELECTRICAL VOLTAGE, TOLERANCE IN LAMPS AND OTHER RELATED VARIABLE FIELD CONDITIONS.

CONTRACTOR RESPONSIBILITIES:

1. CONTRACTOR SHALL BE RESPONSIBLE FOR PERMITTING, INCLUDING COORDINATION WITH THE LOCAL JURISDICTION AND ANY ASSOCIATED PERMIT FEES OR PROCESSING.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMITTING DOCUMENTS THAT ARE NOT INCLUDED IN THE LIGHTING DESIGN PACKAGE.
3. CONTRACTOR IS REQUIRED TO RECYCLE ALL LAMPS AND BALLASTS WHEN SUCH REPLACEMENT IS REQUIRED.
4. CONTRACTOR SHALL VERIFY VOLTAGE REQUIREMENTS FOR FIXTURES PRIOR TO PLACEMENT OF FIXTURE ORDERS.
5. CONTRACTOR TO VERIFY LIGHTING CONTROLS PRIOR TO BEGINNING CONSTRUCTION. SEE LIGHTING CONTROL NOTES.
6. CONTRACTOR SHALL RECEIVE FORMAL APPROVAL FROM GMR ON ANY FIXTURE MODIFICATIONS OR VARIATIONS FROM THE LUMINAIRE SCHEDULE.
7. CONTRACTOR SHALL VERIFY EXISTING AND PROPOSED FIXTURE MOUNTING CONDITIONS IN FIELD. ANY SPECIAL MOUNTING HARDWARE NEEDED FOR PROPOSED FIXTURES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
8. CONTRACTOR SHALL SUPPLY ALL NEW LIGHT POLES. NEW LIGHT POLES SHALL MATCH EXISTING CONDITIONS ON SITE FOR POLE TYPE AND PAINT COLOR.
9. CONTRACTOR SHALL PERFORM ALL NECESSARY PATCHING OR REPAINTING FOR ADDED, REMOVED, OR REPLACED FIXTURES.
10. CONTRACTOR SHALL REPAIR ANY DISTURBED AREAS BACK TO EXISTING CONDITION INCLUDING PAVED AREAS, LANDSCAPED AREAS, ETC.
11. EXPOSED CONDUIT (ONLY WHERE IT CANNOT BE CONCEALED) SHALL BE PAINTED TO MATCH THE BACKGROUND SURFACE COLOR.
12. CONTRACTOR SHALL VERIFY AND DOCUMENT COMPLETED WORK DURING NIGHT HOURS. ALL FIXTURES (INCLUDING OUT OF SCOPE FIXTURES) MUST BE FUNCTIONAL DURING NIGHT HOURS PRIOR TO SCHEDULING A FINAL SURVEY WITH GMR.
13. CONTRACTOR SHALL RECEIVE A PUNCHLIST FROM GMR UPON FINAL SURVEY FOR ANY REMAINING ITEMS TO BE COMPLETED.
14. NEW LIGHT FIXTURES IN NEW LOCATIONS ARE TO BE MOUNTED IN THE INSTALL RANGE SET BY GMR ON THE DESIGN DOCUMENTS.
ALL FIXTURES MOUNTED TO COLUMNS OR WALLS LESS THAN 5 FEET WIDE ARE TO BE CENTERED. ALL FIXTURE COLORS AND STYLE AND LUMEN OUTPUT ARE TO BE AS REQUIRED BY GMR WITH NO SUBSTITUTIONS WITHOUT GMR APPROVAL.
CONDUIT AND BOXES ARE TO BE FULLY CONCEALED IN ALL WALLS, SOFFITS AND COLUMNS THAT ARE NOT A PART OF THE BUILDING STRUCTURE OR OF MASONRY THICKER THAN 6 INCHES.
ALL EXPOSED CONDUIT AND BOXES LOCATED IN AREAS WHERE VISIBLE TO THE PUBLIC SHALL BE PAINTED TO MATCH THE COLOR OF ITS SURROUNDING SURFACES.
15. ALL FIXTURE REPLACEMENT FOR EXISTING FIXTURE LOCATIONS SHALL FULLY COVER ALL OF THE MOUNTING SURFACE EXPOSED BY THE REMOVAL OF THE EXISTING FIXTURE, SHOULD THE NEW FIXTURE NOT ENTIRELY COVER THE EXPOSED SURFACE THEN A BEAUTY PLATE IS TO BE INSTALLED BEHIND THE NEW FIXTURE.
16. ALL REMOVED FIXTURES SHALL HAVE LAMPS AND BALLASTS RECYCLED.
17. ALL DEBRIS CAUSED BY THE REQUIRED SCOPE OF WORK SHALL BE REMOVED FROM THE SITE DAILY AT THE END OF THE WORKDAY.
18. NO MATERIALS OR EQUIPMENT ARE TO BE STORED ON SITE OVERNIGHT OR WEEKENDS.
19. WORK DURING BUSINESS HOURS AND AFTER-HOURS MUST BE APPROVED BY THE PPM.
20. ACCESS INTO THE BUILDING AND TO ELECTRICAL EQUIPMENT WILL BE AT THE DIRECTION OF THE STORE MANAGER.

GENERAL NOTES:

1. EXISTING CONDITIONS SHOWN ON THE DRAWINGS ARE BASED ON A LIMITED AMOUNT OF INFORMATION AVAILABLE TO THE ENGINEER. ALL SUCH CONDITIONS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO SUBMITTING THE BID AND ADJUSTED IF NECESSARY. NO ADDITIONAL COMPENSATION SHALL BE GRANTED AFTER AWARDED A BID FOR ANY EQUIPMENT, MATERIAL OR LABOR REQUIRED TO REWORK OR OTHERWISE MODIFY EXISTING CONDITIONS.
2. THIS LIGHTING DESIGN IS BASED ON A COMBINATION OF STATE STANDARDS AND THE CUSTOMER'S CURRENT SECURITY POLICY.
3. TRIM ALL TREES/LANDSCAPING TO MINIMIZE IMPEDING LIGHT FROM ANY LIGHT FIXTURES. CONSIDERATION MUST BE GIVEN TO TREES/LANDSCAPING IN A STATE OF FULL FOLIAGE/BLOOM AND FUTURE GROWTH. ALL LANDSCAPING WORK WILL BE PERFORMED BY OTHERS WITH A SEPARATE PERMIT (IF REQUIRED).
4. ALL MOUNTING HEIGHTS ARE INTENDED TO THE BOTTOM OF THE FIXTURE.
5. CONTRACTOR TO FIELD VERIFY FIXTURE PLACEMENT DIMENSIONS PRIOR TO CONSTRUCTION.
6. DIMENSIONING PROVIDED IS FOR PROPOSED FIXTURE LOCATIONS ONLY, UNLESS OTHERWISE NOTED ON THE DRAWING.
7. THE CONTRACTOR SHALL ATTEMPT TO ELIMINATE THE USE OF EXPOSED CONDUIT WHERE POSSIBLE. IF EXPOSED CONDUIT IS NECESSARY, THE CONTRACTOR SHALL VERIFY USE WITH PROJECT MANAGER.
8. THE CONTRACTOR SHALL VERIFY THAT LIGHT POLES FOR PROPOSED OR MODIFIED FIXTURES ARE ADEQUATE FOR THE INTENDED MOUNTING HEIGHT. IF AN EXISTING LIGHT POLE IS BEING USED, THE CONTRACTOR SHALL VERIFY THAT IT IS IN SATISFACTORY CONDITION. A TYPICAL POLE BASE DETAIL (AS PER EACH STATE) WILL BE PROVIDED BY GMR FOR EACH SITE. IF A SITE SPECIFIC POLE BASE DETAIL IS REQUIRED, THIS WILL BE COORDINATED BY THE CONTRACTOR AND WILL FOLLOW ANY APPLICABLE STATE OR LOCAL JURISDICTION STANDARDS.

FIXTURE CLARIFICATION NOTES:

1. GMR MAY COMBINE OR ADD TO NOTES AS NEEDED IN ORDER TO CLARIFY FURTHER.
2. OUT OF SCOPE - EXISTING FIXTURES TO REMAIN ON SITE WITHOUT MODIFICATION. NO ACTION REQUIRED UNLESS NOTED OTHERWISE.
3. REMOVE AND PATCH - EXISTING FIXTURES TO BE FULLY REMOVED AND ANY PAINTING, PATCHING OR ELECTRICAL WORK NEEDED IS TO BE ASSESSED AND PERFORMED BY GC.
4. REPLACE EXISTING FIXTURE - EXISTING FIXTURE TO BE FULLY REMOVED AND REPLACED IN THE SAME LOCATION WITH A NEW FIXTURE. GC TO VERIFY IF POLE AND/OR POLE BASE IS SUFFICIENT FOR THE NEW FIXTURES. ANY PAINTING, PATCHING OR ELECTRICAL WORK NEEDED IS TO BE ASSESSED AND PERFORMED BY GC.
5. ADD NEW FIXTURE - NEW FIXTURES TO BE ADDED. ANY PAINTING, PATCHING OR ELECTRICAL WORK NEEDED TO BE ASSESSED AND PERFORMED BY GC.
6. ADD NEW POLE & FIXTURE - A NEW POLE AND FIXTURE TO BE ADDED. GC TO SPECIFY POLE TO MATCH EXISTING STYLE AND COLOR AND, IF NOT PROVIDED, POLE BASE DATA FOR NEW POLE LOCATIONS. GC TO VERIFY IF POLE AND POLE BASE IS SUFFICIENT FOR THE HEIGHT, LOCATION AND FIXTURE SPECIFIED.
7. GMR DOES NOT SPECIFY MOUNTING HARDWARE FOR ANY SPECIFIED FIXTURES. GC IS TO WORK WITH DISTRIBUTOR AND/OR MANUFACTURER ON A CASE BY CASE BASIS TO IDENTIFY AND ORDER REQUIRED MOUNTING HARDWARE.
8. GC TO VERIFY WHETHER EXISTING WIRING LOCATIONS OR THE ADDITION OF WIRING FOR NEW FIXTURE LOCATIONS IS SUFFICIENT FOR THE DESIGNATED FIXTURE LOCATION.
9. GC TO SPECIFY POLE COLOR AND TYPE PRIOR TO ORDERING.
10. ALL FIXTURES ARE ASSUMED BRONZE IN COLOR UNLESS NOTED OTHERWISE IN THE LUMINAIRE SCHEDULE. GC TO CONFIRM PRIOR TO ORDERING.



GMR Protection Resources
TX Registered Engineering Firm F-13803

V1 231016

REVISION NO.	DESCRIPTION	REVISED BY



Rockwall - 1601 E I30
1601 E I30,
Rockwall, TX 75087

GENERAL NOTES

DESIGNED BY:	CAS	DRAWN BY:	CAS
REVIEWED BY:	AWD	APPROVED BY:	KRM
SHEET NO.	LU-1		

THIS LIGHTING PLAN ILLUSTRATES ILLUMINATE LEVELS CALCULATED FROM LABORATORY DATA UNDER CONTROLLED CONDITIONS IN ACCORDANCE WITH ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICAN (IESNA) APPROVED METHODS. ACTUAL SITE ILLUMINATION LEVELS AND PERFORMANCE OF LUMINAIRES MAY VARY DUE TO VARIATIONS IN WEATHER, ELECTRICAL VOLTAGE, TOLERANCE IN LAMPS AND OTHER RELATED VARIABLE FIELD CONDITIONS.

SITE ABBREVIATIONS:

- PL = PROPERTY LINE
- AFG = ABOVE FINISHED GRADE
- FC = FOOTCANDLE
- CBO = CONTROLLED BY OTHERS

SEE FIXTURE CLARIFICATION NOTE #9

LUMINAIRE SCHEDULE

CONTRACTOR TO VERIFY MOUNTING ACCESSORIES BEFORE ORDERING

SYMBOL	TOTAL FIXTURE COUNT	TYPE	NEW POLE COUNT	MANUFACTURER	MODEL	MODEL NUMBER	NOTES	MOUNTING HEIGHT	MOUNTING ACCESSORY	BUG RATING	MOUNTING	KILOWATT PER HOUR	TOTAL WATTAGE
■	4	OT1	-	CREE	OSQ	OSQM-C-16L-40K7-3M-UL-NM-SV	ADD NEW FIXTURE	16' AFG	OSQ-ML-C-DA-SV, WM-DM-SV	B3-U0-G3	WALL MOUNT	0.097	388 W
■	6	OV1	6	CREE	OSQ	OSQL-C-30L-40K7-3M-UL-NM-BZ	ADD NEW POLE AND FIXTURE	40' AFG	OSQ-ML-C-DA-BZ	B3-U0-G3	POLE MOUNT	0.175	1050 W
■	3	UU1	-	LITHONIA	OLLWD	OLLWD LED-P1-40K-MVOLT-DDB	ADD NEW FIXTURE	7' AFG	-	B1-U0-G1	WALL MOUNT	0.0091	27 W
■	3	UU2	-	LITHONIA	OLLWD	OLLWD LED-P1-40K-MVOLT-DDB	ADD NEW FIXTURE	8' AFG	-	B1-U0-G1	WALL MOUNT	0.0091	27 W
GRAND TOTAL WATTAGE												1493 W	



GMR Protection Resources
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V1 231016

REVISION NO.	DESCRIPTION	REVISED BY



Rockwall - 1601 E I30
1601 E I30,
Rockwall, TX 75087

LUMINAIRE SCHEDULE

DESIGNED BY:	CAS	DRAWN BY:	CAS
REVIEWED BY:	AWD	APPROVED BY:	KRM

SHEET NO. **LU-2**

OSQ Series

OSQ™ LED Area/Flood Luminaire featuring Patented NanoComfort™ Technology – Version C

Rev. Date: V3 04/17/2023

GC TO SEE NOTES BELOW

Product Description

The OSQ™ Area/Flood luminaire blends extreme optical control, advanced thermal management and modern, clean aesthetics. Built to last, the housing is rugged cast aluminum with an integral, weathertight LED driver compartment. Versatile mounting configurations offer simple installation. Its slim, low-profile design minimizes wind load requirements and blends seamlessly into the site providing even, quality illumination. Medium is suitable upgrade for HID applications up to 400 Watts. Large is suitable upgrade for HID applications up to 1000 Watts. Extra Large is suitable upgrade for HID applications up to multiple 1000 Watts.

Applications: Parking lots, walkways, campuses, car dealerships, office complexes, high-mast and internal roadways

Performance Summary

Utilizes Patented NanoComfort™ Technology

Utilizes Cree TrueWhite® Technology on 5000K Luminaires

Assembled in the USA by Cree Lighting from US and imported parts

Initial Delivered Lumens: 4,000 - 75,000

Efficacy: Up to 171 LPW

CRI: Minimum 70 CRI (3000K, 4000K & 5700K); 90 CRI (5000K)

CCT: 3000K, 4000K, 5000K, 5700K

Limited Warranty*: 10 years for luminaire; 10 years for Colorfast DeltaGuard® finish; 5 years for BML sensor; up to 5 years for Synapse® accessories; 1 year for luminaire accessories

*See <http://creelighting.com/warranty> for warranty terms. For Synapse accessories, consult Synapse spec sheets for details on warranty terms.

Ordering Information

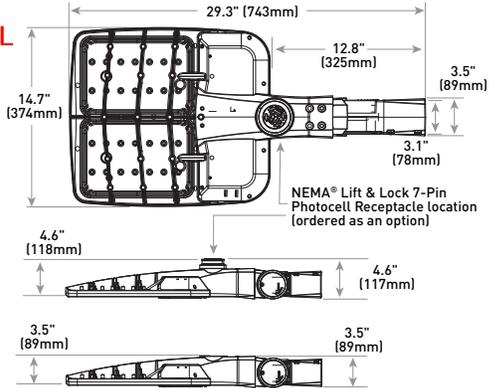
Fully assembled luminaire is composed of two components that must be ordered separately:

Example: **Mount:** OSQ-ML-C-AA-BK + **Luminaire:** OSQM-C-4L-30K7-2M-UL-NM-BK

Mount (Luminaire must be ordered separately)*			
OSQ-			
Medium/Large Mounts	Extra Large Mounts	Color Options: SV Silver BK Black BZ Bronze WH White	
OSQ-ML-C-AA Adjustable Arm	OSQ-X-C-AA Adjustable Arm		
OSQ-ML-C-DA Direct Arm	OSQ-X-C-DA Direct Arm		
OSQ-ML-C-TM Trunnion Mount			

* Reference fixture mounting drill pattern, EPA, and pole configuration suitability data beginning on page 14.

OSQM - AA Mount



Luminaire	Weight
OSQM	19.3 lbs. (8.8kg)

Note: For OSQL, OSQX and additional mounts, refer to drawings beginning on page 26.

GC TO REFERENCE PLANS FOR COLOR DESIGNATION

Luminaire (Mount must be ordered separately)														
OSQ	C													
Family	Size	Series	Lumen Package ¹	CCT/ CRI	Optic	Voltage	Mount	Color Options	Controls*	Options				
OSQ	M Medium L Large X Extra Large	C	Medium 4L 4,000 Lumens 40K7 4000K, 70 CRI 6L 6,000 Lumens 70 CRI 9L 9,000 Lumens 90 CRI 11L 11,000 Lumens 5700K, 70 CRI 16L 16,000 Lumens	30K7 3000K, 70 CRI 40K7 4000K, 70 CRI 50K9 5000K, 90 CRI 57K7 5700K, 70 CRI	Asymmetric 2M Type II Mid 2B Type II Mid w/ Factory-Installed Backlight Shield 3M Type III Mid 3B Type III Mid w/ Factory-Installed Backlight Shield 4M Type IV Mid	4B Type IV Mid w/ Factory-Installed Backlight Shield AF Automotive FrontlineOptic™ AB Automotive-FrontlineOptic™ w/Factory-Installed Backlight Shield	UL Universal 120-277V UH Universal 347-480V - Not available with 4L, 40L or 75L lumen packages UE Universal 277-480V - Available only with 40L and 75L lumen packages	NM No Mount - Must specify mount from table above - Mount ships separately	BK Black BZ Bronze SV Silver WH White	BML Bluetooth® Technology Enabled Multi-Level Sensor - Utilizes a multifunction sensor - Refer to BML spec sheet for details - 20-40° sensor lens installed on luminaire; 8-20° sensor lens and aisle shroud included - Intended for downlight applications at 0° tilt - Not available with Q or X options or Synapse TL7-B2 or TL7-HVG accessories Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1 Field Adjustable Output - Must select Q9, Q8, Q7, Q6, Q5, Q4, Q3, Q2, or Q1 - Offers full range adjustability - Refer to pages 15-25 for power and lumen values - Not available with BML or X options or Synapse TL7-B2 or TL7-HVG accessories X8/X7/X6/X5/X4/X3/X2/X1 Locked Lumen Output - Must select X8, X7, X6, X5, X4, X3, X2, or X1 - Not available with BML or Q options - X1 option not available with the following lumen package/voltage offerings: 9L/UL, 16L/UL, 16L/UH, 30L/UL, 30L/UH, 65L/UL, 65L/UH - X2 option not available 9L/UL lumen package/voltage - Lumen output is permanently locked to the setting selected - Refer to pages 15-25 for power and lumen values	20KV 20kV/10KA Surge Suppression - Replaces standard 10kV/5kA surge protection F Fuse - Compatible with 120V, 277V or 347V (phase to neutral) - Consult factory if fusing is required for 208V, 240V or 480V (phase to phase) - When code dictates fusing, use time delay fuse N Utility Label and NEMA® Lift & Lock 7-Pin Photocell Receptacle - External utility label per ANSI C136.15-2020 - 7-pin receptacle per ANSI C136.41 - Available only with OSQM & OSQL luminaires - Intended for downlight applications with maximum 45° tilt - Factory connected 0-10V dim leads - Requires photocell or shorting cap by others R NEMA® Lift & Lock 7-Pin Photocell Receptacle - 7-pin receptacle per ANSI C136.41 - Intended for downlight applications with maximum 45° tilt - Factory connected 0-10V dim leads - Requires photocell or shorting cap by others - Refer to page 2 for compatible Synapse control offerings RL Rotate Left - LED and optic are rotated to the left - Refer to RR/RL configuration diagram on page 26 for optic directionality - Not for use with symmetric optics RR Rotate Right - LED and optic are rotated to the right - Refer to RR/RL configuration diagram on page 26 for optic directionality - Not for use with symmetric optics			
												Large 22L 22,000 Lumens 30L 30,000 Lumens 40L 40,000 Lumens Extra Large 50L 50,000 Lumens 65L 65,000 Lumens 75L 75,000 Lumens	5M Type V Mid 5N Type V Narrow	33 NEMA® 3x3 44 NEMA® 4x4 55 NEMA® 5x5 66 NEMA® 6x6 75 NEMA® 7x5

GC TO VERIFY AND SPECIFY IF NOT UL

¹ Lumen Package codes identify approximate light output only. Actual lumen output levels vary by CCT and optic selection. Refer to Initial Delivered Lumen tables for specific lumen values

* Luminaire comes standard with 0-10V dimming



US: creelighting.com (800) 236-6800
Canada: creelighting-canada.com (800) 473-1234



Product Specifications

CREE LIGHTING NANOCOMFORT™ TECHNOLOGY

Cree Lighting's NanoComfort™ Technology ends the trade-offs in outdoor lighting by providing superior glare reduction and visual comfort in high-efficiency illumination delivered precisely where it is needed. The basic building block of NanoComfort™ Technology is a compact 4x4 array of LEDs. Each of the 16 LEDs in a module is in contact with its own acrylic polymer lens to capture and precisely direct light. With NanoComfort™ Technology, the acrylic optics are cut and sculpted into facets that relieve the glare and harshness while improving visual comfort – all while retaining superb efficacy and control.

CREE TRUEWHITE® TECHNOLOGY

A revolutionary way to generate high-quality white light, Cree TrueWhite® Technology is a patented approach that delivers an exclusive combination of 90+ CRI, beautiful light characteristics and lifelong color consistency, all while maintaining high luminous efficacy – a true no-compromise solution.

CONSTRUCTION & MATERIALS

- Slim, low profile design minimizes wind load requirements
- Luminaire housing is rugged die cast aluminum with an integral, weathertight LED driver compartment and high-performance heat sink
- Acrylic optic w/clear tempered glass lens
- Convenient interlocking mounting method on direct arm. Mounting adaptor is rugged die cast aluminum and mounts to 3" (76mm) or larger square or round pole, secured by two 5/16-18 UNC bolts spaced on 2" (51mm) centers. Refer to page 14 for fixture mounting drill pattern
- Adjustable arm mount adapters are rugged die cast aluminum
- OSQ-ML-C-AA mounts to a horizontal or vertical 2" (51mm) IP, 2.375" (60mm) O.D. tenon and can be adjusted 180° in 2.5° increments
- OSQ-X-C-AA mounts to a horizontal or vertical 2" (51mm) IP, 2.375-2.50" (60-64mm) O.D. steel tenon and can be adjusted 180° in 5.0° increments. **NOTE: Tenon length must be a minimum of 3.75" (95mm), and tenon must be steel**
- Trunnion mount is constructed of A500 and A1011 steel and is adjustable from 0-180° in 15° degree increments. Trunnion mount secures to surface with (1) 3/4" bolt or (2) 1/2" or 3/8" bolts
- Luminaires include 15" (381mm) 18/5 cord exiting the luminaire
- Designed for uplight and downlight applications. Uplight orientation not suitable for use with N or R options
- Exclusive Colorfast DeltaGuard® finish features an E-Coat epoxy primer with an ultra-durable powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation and abrasion. Silver, bronze, black, and white are available

Weight			
Mount	Housing Size		
	Medium	Large	Extra Large
Direct Arm	19.7 lbs. (8.9kg)	28.8 lbs. (13.1kg)	45.8 lbs. (20.8kg)
Adjustable Arm	19.3 lbs. (8.8kg)	28.4 lbs. (12.9kg)	48.6 lbs. (22.0kg)
Trunnion	23.2 lbs. (10.5kg)	32.3 lbs. (14.7kg)	N/A

For BML sensor add 0.1 lbs. (45g), and for NEMA receptacle, add 0.3 lbs. (136g).

ELECTRICAL SYSTEM

- **Input Voltage:** 120-277V, 277-480V or 347-480V, 50/60Hz, Class 1 drivers
- **Power Factor:** > 0.9 at full load
- **Total Harmonic Distortion:** < 20% at full load
- Integral 10kV/5kA surge suppression protection standard; 20kV/10kA surge suppression protection optional
- When code dictates fusing, a slow blow fuse or type C/D breaker should be used to address inrush current
- Designed with 0-10V dimming capabilities. Controls by others
- Refer to [Dimming spec sheet](#) for details
- **Maximum 10V Source Current:** 1.8mA
- **Operating Temperature Range:** -40°C - +40°C (-40°F - +104°F)

REGULATORY & VOLUNTARY QUALIFICATIONS

- cULus Listed (UL1598)
- Suitable for wet locations
- Meets NEMA C82.77 standards
- Drivers and LEDs are UL certified in accordance with UL8750
- Meets requirements of IP66 per IEC 60529 when ordered without N or R options
- Certified to ANSI C136.31-2018, 3G bridge and overpass vibration standards
- ANSI C136.2 10kV/5kA (standard) and 20kV/10kA (optional) surge suppression protection tested in accordance with IEEE/ANSI C62.41.2
- Meets FCC Part 15, Subpart B, Class A limits for conducted and radiated emissions
- Luminaire and finish endurance tested to withstand 5,000 hours of elevated ambient salt fog conditions as defined in ASTM Standard B 117
- Lens meets IK07 requirements per IEC 60068-2
- Assembled in the USA by Cree Lighting from US and imported parts
- Meets Buy American requirements within ARRA
- RoHS compliant. Consult factory for additional details
- Dark Sky Friendly, IDA Approved when ordered with 30K CCT and direct arm mount only. Please refer to <https://www.darksky.org/our-work/lighting/lighting-for-industry/fsa/fsa-products/> for most current information (Pending)
- **CA RESIDENTS WARNING:** Cancer and Reproductive Harm – www.p65warnings.ca.gov

Product Specifications

SYNAPSE® SIMPLYSNAP INTELLIGENT CONTROL

The Synapse SimplySNAP platform is a highly intuitive connected lighting solution featuring zone dimming, motion sensing, and daylight harvesting with utility-grade power monitoring and support of up to 1000 nodes per gateway. The system features a reliable and robust self-healing mesh network with a browser-based interface that runs on smartphones, tablets, and PCs. The Twist-Lock Lighting Controller (TL7-B2 or TL7-HVG) and Site Controller (SS450-002) take the OSQ Series to a new performance plateau, providing extreme energy productivity, code compliance and a better light experience.

Synapse Wireless Control Accessories	
Twist-Lock Lighting Controller TL7-B2 - Suitable for 120-277V (UL) voltage only - Requires NEMA/ANSI C136.41 7-Pin Dimming Receptacle - Not for use with BML or Q options - Provides On/Off switching, dimming, power metering, digital sensor input, and status monitoring of luminaire - Refer to TL7-B2 spec sheet for details	Synapse Wireless Sensor WSN-DPM - Motion and light sensor - Control multiple zones - Refer to WSN-DPM spec sheet for details
Twist-Lock Lighting Controller TL7-HVG - Suitable for 120-480V (UL, UE and UH) voltages - Requires NEMA/ANSI C136.41 7-Pin Dimming Receptacle - Not for use with BML or Q options - Provides On/Off switching, dimming, power metering, digital sensor input, and status monitoring of luminaire - Refer to TL7-HVG spec sheet for details	SimplySNAP On-Site Controller SS450-002 - Verizon® LTE-enabled - Designed for indoor applications - Refer to SS450-002 spec sheet for details
SimplySNAP Central Base Station CBSSW-450-002 - Includes On-Site Controller (SS450-002) and 5-button switch - Indoor and Outdoor rated - Refer to CBSSW-450-002 spec sheet for details	Building Management System (BMS) Gateway BMS-GW-002 - Required for BACnet integration - Refer to BMS-GW-002 spec sheet for details
	Outdoor Antennas (Optional, for increased range, 8dB gain) KIT-ANT420SM - Kit includes antenna, 20' cable and bracket KIT-ANT360 - Kit includes antenna, 30' cable and bracket KIT-ANT600 - Kit includes antenna, 50' cable and bracket - Refer to Outdoor antenna spec sheet for details

Electrical Data*

Lumen Package	System Watts 120-480V	Utility Label Wattage	Total Current (A)					
			120V	208V	240V	277V	347V	480V
4L**	26	30	0.21	0.12	0.11	0.09	N/A	N/A
6L	37	40	0.31	0.18	0.15	0.13	0.11	0.08
9L	55	60	0.46	0.27	0.23	0.20	0.16	0.12
11L	68	70	0.57	0.33	0.28	0.25	0.20	0.14
16L	97	100	0.81	0.47	0.40	0.35	0.28	0.20
22L	131	130	1.09	0.63	0.55	0.47	0.38	0.27
30L	175	180	1.46	0.84	0.73	0.63	0.50	0.36
40L	236	240	1.96	1.13	0.98	0.85	0.68	0.49
50L	297	N/A	2.48	1.43	1.24	1.07	0.86	0.62
65L	384	N/A	3.20	1.85	1.60	1.39	1.11	0.80
75L	447	N/A	3.73	2.15	1.86	1.61	1.29	0.93

* Electrical data at 25°C (77°F). Actual wattage may differ by +/- 10% when operating between 120-277V, 277-480V or 347-480V +/- 10%.

** Available with UL voltage only.

OSQ-C Series Ambient Adjusted Lumen Maintenance¹

Ambient	Initial LMF	25K hr Reported ² LMF	50K hr Reported ² LMF	75K hr Reported ² LMF	100K hr Reported ² LMF
5°C (41°F)	1.02	0.99	0.93	0.88	0.83
10°C (50°F)	1.02	0.98	0.93	0.87	0.82
15°C (59°F)	1.01	0.98	0.92	0.87	0.82
20°C (68°F)	1.01	0.97	0.92	0.86	0.81
25°C (77°F)	1.00	0.97	0.91	0.86	0.81

¹ Lumen maintenance values at 25°C (77°F) are calculated per IES TM-21 based on IES LM-80 report data for the LED package and in-situ luminaire testing. Luminaire ambient temperature factors (LATF) have been applied to all lumen maintenance factors. Please refer to the [Temperature Zone Reference Document](#) for outdoor average nighttime ambient conditions.

² In accordance with IES TM-21, Reported values represent interpolated values based on time durations that are up to 6x the tested duration in the IES LM-80 report for the LED.

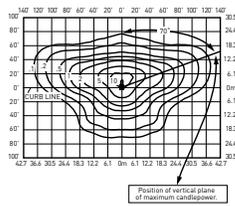
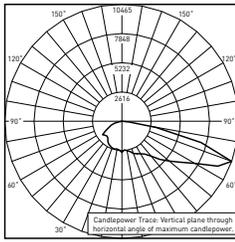
Accessories

Field-Installed	
Backlight Shield OSQ-M-C-BLSF (Medium) OSQ-L-C-BLSF (Large) OSQ-X-C-BLSF (Extra Large) - Not for use with rotated optics	Shorting Cap XA-XSLSHRT
Bird Spikes OSQ-M-C-BRDSPK OSQ-L-C-BRDSPK OSQ-X-C-BRDSPK	

Photometry

All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult: <https://creelighting.com/products/outdoor/area/osq-series>

2M



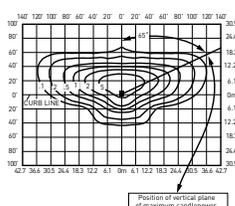
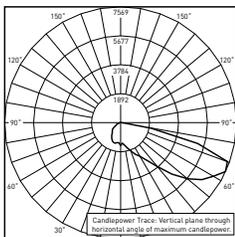
PRELIMINARY RESTL Test Report
OSQ Luminaire w/2M Optic
Initial Delivered Lumens: 15,560

OSQL-C-40L-40K7-2M-UL
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 38,000
Initial FC at grade

Type II Mid Distribution								
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	3,650	B1 U1 G1	3,800	B1 U1 G1	2,590	B1 U1 G1	3,800	B1 U1 G1
6L	5,475	B1 U1 G1	5,700	B1 U1 G1	3,880	B1 U1 G1	5,700	B1 U1 G1
9L	8,225	B2 U1 G2	8,550	B2 U1 G2	5,825	B1 U1 G1	8,550	B2 U1 G2
11L	10,025	B2 U1 G2	10,450	B2 U1 G2	7,100	B2 U1 G2	10,450	B2 U1 G2
16L	14,650	B3 U1 G3	15,200	B3 U1 G3	10,325	B2 U1 G2	15,200	B3 U1 G3
22L	20,100	B3 U1 G3	20,900	B3 U1 G3	14,200	B3 U1 G3	20,900	B3 U1 G3
30L	27,400	B3 U1 G3	28,500	B3 U1 G3	19,400	B3 U1 G3	28,500	B3 U1 G3
40L	36,500	B4 U1 G4	38,000	B4 U1 G4	25,900	B3 U1 G3	38,000	B4 U1 G4
50L	45,600	B4 U1 G5	47,500	B4 U1 G5	32,300	B3 U1 G4	47,500	B4 U1 G5
65L	59,300	B4 U1 G5	61,800	B4 U1 G5	42,000	B4 U1 G4	61,800	B4 U1 G5
75L	68,400	B5 U1 G5	71,300	B5 U1 G5	48,500	B4 U1 G5	71,300	B5 U1 G5

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

2B



PRELIMINARY RESTL Test Report
OSQ Luminaire w/2B Optic
Initial Delivered Lumens: 10,422

OSQL-C-40L-40K7-2B-UL
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 26,200
Initial FC at grade

Type II Mid w/BLS Distribution								
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	2,510	B1 U1 G1	2,620	B1 U1 G1	1,780	B0 U1 G1	2,620	B1 U1 G1
6L	3,760	B1 U1 G1	3,920	B1 U1 G1	2,670	B1 U1 G1	3,920	B1 U1 G1
9L	5,650	B1 U1 G1	5,875	B1 U1 G1	4,000	B1 U1 G1	5,875	B1 U1 G1
11L	6,900	B1 U1 G2	7,200	B1 U1 G2	4,890	B1 U1 G1	7,200	B1 U1 G2
16L	10,075	B2 U1 G2	10,450	B2 U1 G2	7,100	B1 U1 G2	10,450	B2 U1 G2
22L	13,800	B2 U1 G2	14,375	B2 U1 G2	9,775	B1 U1 G2	14,375	B2 U1 G2
30L	18,800	B2 U1 G3	19,600	B2 U1 G3	13,350	B2 U1 G2	19,600	B2 U1 G3
40L	25,100	B3 U1 G3	26,200	B3 U1 G3	17,800	B2 U1 G3	26,200	B3 U1 G3
50L	31,400	B3 U1 G4	32,700	B3 U1 G4	22,200	B3 U1 G3	32,700	B3 U1 G4
65L	40,800	B3 U1 G4	42,500	B3 U1 G4	28,900	B3 U1 G3	42,500	B3 U1 G4
75L	47,100	B3 U1 G4	49,000	B3 U1 G5	33,300	B3 U1 G4	49,000	B3 U1 G5

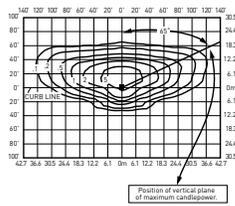
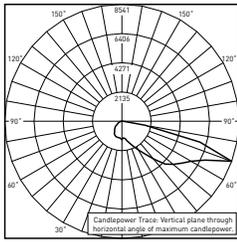
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

Photometry

All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult:

<https://creelighting.com/products/outdoor/area/osq-series>

2M W/OSQ-*-C-BLSF



PRELIMINARY RESTL Test Report
OSQ Luminaire w/2M Optic w/OSQ-M-C-BLSF
Initial Delivered Lumens: 9,579

OSQL-C-40L-40K7-2M-UL w/OSQ-L-C-BLSF
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 26,200
Initial FC at grade

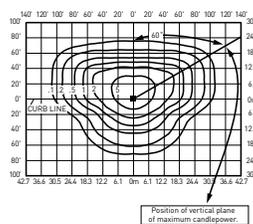
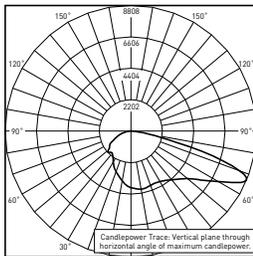
Type II Mid Distribution w/OSQ-*-C-BLSF

Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	2,510	B1 U1 G1	2,620	B1 U1 G1	1,780	B0 U1 G1	2,620	B1 U1 G1
6L	3,760	B1 U1 G1	3,920	B1 U1 G1	2,670	B1 U1 G1	3,920	B1 U1 G1
9L	5,650	B1 U1 G1	5,875	B1 U1 G1	4,000	B1 U1 G1	5,875	B1 U1 G1
11L	6,900	B1 U1 G2	7,200	B1 U1 G2	4,890	B1 U1 G2	7,200	B1 U1 G2
16L	10,075	B1 U1 G2	10,450	B1 U1 G2	7,100	B1 U1 G2	10,450	B1 U1 G2
22L	13,800	B2 U1 G2	14,375	B2 U1 G2	9,775	B1 U1 G2	14,375	B2 U1 G2
30L	18,800	B2 U1 G3	19,600	B2 U1 G3	13,350	B2 U1 G2	19,600	B2 U1 G3
40L	25,100	B3 U1 G3	26,200	B3 U1 G4	17,800	B2 U1 G3	26,200	B3 U1 G4
50L	31,400	B3 U1 G4	32,700	B3 U1 G4	22,200	B3 U1 G3	32,700	B3 U1 G4
65L	40,800	B3 U1 G4	42,500	B3 U1 G5	28,900	B3 U1 G4	42,500	B3 U1 G5
75L	47,100	B3 U1 G5	49,000	B3 U1 G5	33,300	B3 U1 G4	49,000	B3 U1 G5

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

3M



RESTL Test Report #: PL17240-001A
OSQM-C-16L-57K7-3M-UL-NM-WH
Initial Delivered Lumens: 15,444

OSQL-C-40L-40K7-3M-UL
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 38,000
Initial FC at grade

Type III Mid Distribution

Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	3,650	B1 U0 G1	3,800	B1 U0 G1	2,590	B1 U0 G1	3,800	B1 U0 G1
6L	5,475	B1 U0 G1	5,700	B1 U0 G1	3,880	B1 U0 G1	5,700	B1 U0 G1
9L	8,225	B2 U0 G2	8,550	B2 U0 G2	5,825	B1 U0 G1	8,550	B2 U0 G2
11L	10,025	B2 U0 G2	10,450	B2 U0 G2	7,100	B2 U0 G2	10,450	B2 U0 G2
16L	14,650	B3 U0 G3	15,200	B3 U0 G3	10,325	B2 U0 G2	15,200	B3 U0 G3
22L	20,100	B3 U0 G3	20,900	B3 U0 G3	14,200	B3 U0 G3	20,900	B3 U0 G3
30L	27,400	B3 U0 G3	28,500	B3 U0 G3	19,400	B3 U0 G3	28,500	B3 U0 G3
40L	36,500	B4 U0 G4	38,000	B4 U0 G4	25,900	B3 U0 G3	38,000	B4 U0 G4
50L	45,600	B4 U0 G4	47,500	B4 U0 G4	32,300	B3 U0 G4	47,500	B4 U0 G4
65L	59,300	B5 U0 G5	61,800	B5 U0 G5	42,000	B4 U0 G4	61,800	B5 U0 G5
75L	68,400	B5 U0 G5	71,300	B5 U0 G5	48,500	B4 U0 G4	71,300	B5 U0 G5

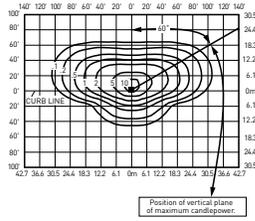
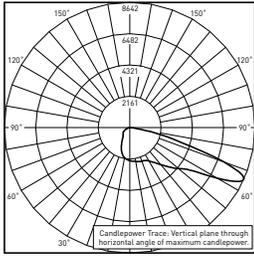
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

Photometry

All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult: <https://creelighting.com/products/outdoor/area/osq-series>

3B



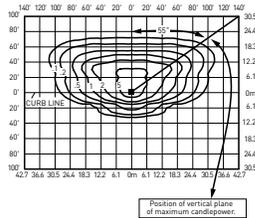
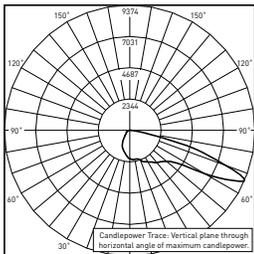
RESSL Test Report #: PL17366-001A
OSQM-C-16L-57K7-3B-UL-NM-WH
Initial Delivered Lumens: 10,081

OSQL-C-40L-40K7-3B-UL
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 26,200
Initial FC at grade

Type III Mid w/BLS Distribution								
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	2,510	B1 U0 G1	2,620	B1 U0 G1	1,780	B0 U0 G1	2,620	B1 U0 G1
6L	3,760	B1 U0 G1	3,920	B1 U0 G1	2,670	B1 U0 G1	3,920	B1 U0 G1
9L	5,650	B1 U0 G1	5,875	B1 U0 G1	4,000	B1 U0 G1	5,875	B1 U0 G1
11L	6,900	B1 U0 G2	7,200	B1 U0 G2	4,890	B1 U0 G1	7,200	B1 U0 G2
16L	10,075	B2 U0 G2	10,450	B2 U0 G2	7,100	B1 U0 G2	10,450	B2 U0 G2
22L	13,800	B2 U0 G2	14,375	B2 U0 G2	9,775	B2 U0 G2	14,375	B2 U0 G2
30L	18,800	B3 U0 G3	19,600	B3 U0 G3	13,350	B2 U0 G2	19,600	B3 U0 G3
40L	25,100	B3 U0 G3	26,200	B3 U0 G3	17,800	B3 U0 G3	26,200	B3 U0 G3
50L	31,400	B3 U0 G4	32,700	B3 U0 G4	22,200	B3 U0 G3	32,700	B3 U0 G4
65L	40,800	B3 U0 G4	42,500	B4 U0 G4	28,900	B3 U0 G4	42,500	B4 U0 G4
75L	47,100	B4 U0 G5	49,000	B4 U0 G5	33,300	B3 U0 G4	49,000	B4 U0 G5

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

3M W/OSQ-*-C-BLSF



RESSL Test Report#: PL17054-001A
OSQM-C-16L-57K7-3M-UL-NM-WH-R w/
OSQ-M-C-BLSF
Initial Delivered Lumens: 10,227

OSQL-C-40L-40K7-3M-UL w/OSQ-L-C-BLSF
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 26,200
Initial FC at grade

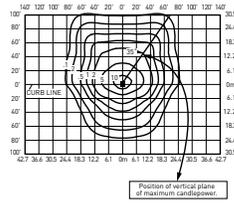
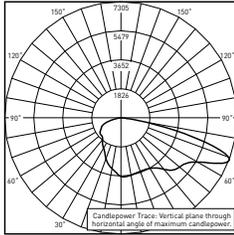
Type III Mid Distribution w/OSQ-*-C-BLSF								
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	2,510	B1 U1 G1	2,620	B1 U1 G1	1,780	B0 U1 G1	2,620	B1 U1 G1
6L	3,760	B1 U1 G1	3,920	B1 U1 G1	2,670	B1 U1 G1	3,920	B1 U1 G1
9L	5,650	B1 U1 G1	5,875	B1 U1 G1	4,000	B1 U1 G1	5,875	B1 U1 G2
11L	6,900	B1 U1 G2	7,200	B1 U1 G2	4,890	B1 U1 G1	7,200	B1 U1 G2
16L	10,075	B2 U1 G2	10,450	B2 U1 G2	7,100	B1 U1 G2	10,450	B2 U1 G2
22L	13,800	B2 U2 G2	14,375	B2 U2 G2	9,775	B2 U1 G2	14,375	B2 U2 G2
30L	18,800	B3 U2 G3	19,600	B3 U2 G3	13,350	B2 U2 G2	19,600	B3 U2 G3
40L	25,100	B3 U2 G4	26,200	B3 U2 G4	17,800	B3 U2 G3	26,200	B3 U2 G4
50L	31,400	B3 U2 G4	32,700	B3 U2 G4	22,200	B3 U2 G3	32,700	B3 U2 G4
65L	40,800	B3 U2 G5	42,500	B3 U2 G5	28,900	B3 U2 G4	42,500	B3 U2 G5
75L	47,100	B4 U2 G5	49,000	B4 U2 G5	33,300	B3 U2 G4	49,000	B4 U2 G5

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

Photometry

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4M



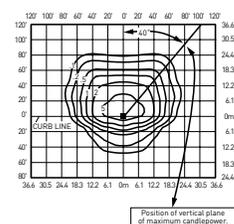
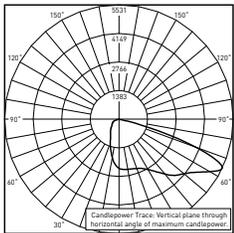
RESTL Test Report #: PL17299-001A
OSQM-C-16L-57K7-4M-UL-NM-WH
Initial Delivered Lumens: 15,584

OSQL-C-40L-40K7-4M-UL
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 38,000
Initial FC at grade

Type IV Mid Distribution								
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	3,650	B1 U0 G1	3,800	B1 U0 G1	2,590	B1 U0 G1	3,800	B1 U0 G1
6L	5,475	B1 U0 G1	5,700	B1 U0 G1	3,880	B1 U0 G1	5,700	B1 U0 G1
9L	8,225	B2 U0 G2	8,550	B2 U0 G2	5,825	B1 U0 G1	8,550	B2 U0 G2
11L	10,025	B2 U0 G2	10,450	B2 U0 G2	7,100	B2 U0 G1	10,450	B2 U0 G2
16L	14,650	B3 U0 G2	15,200	B3 U0 G2	10,325	B2 U0 G2	15,200	B3 U0 G2
22L	20,100	B3 U0 G3	20,900	B3 U0 G3	14,200	B3 U0 G2	20,900	B3 U0 G3
30L	27,400	B3 U0 G3	28,500	B3 U0 G3	19,400	B3 U0 G3	28,500	B3 U0 G3
40L	36,500	B4 U0 G4	38,000	B4 U0 G4	25,900	B3 U0 G3	38,000	B4 U0 G4
50L	45,600	B4 U0 G4	47,500	B4 U0 G4	32,300	B4 U0 G3	47,500	B4 U0 G4
65L	59,300	B5 U0 G5	61,800	B5 U0 G5	42,000	B4 U0 G4	61,800	B5 U0 G5
75L	68,400	B5 U0 G5	71,300	B5 U0 G5	48,500	B4 U0 G4	71,300	B5 U0 G5

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
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4B



RESTL Test Report #: PL17367-001A
OSQM-C-16L-57K7-4B-UL-NM-WH
Initial Delivered Lumens: 9,812

OSQL-C-40L-40K7-4B-UL
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 24,000
Initial FC at grade

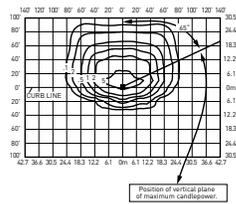
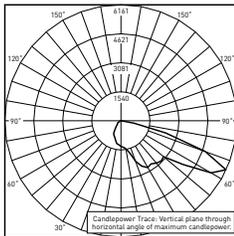
Type IV Mid w/BLS Distribution								
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	2,300	B1 U0 G0	2,400	B1 U0 G0	1,630	B0 U0 G0	2,400	B1 U0 G0
6L	3,440	B1 U0 G1	3,590	B1 U0 G1	2,440	B1 U0 G0	3,590	B1 U0 G1
9L	5,175	B1 U0 G1	5,400	B1 U0 G1	3,670	B1 U0 G1	5,400	B1 U0 G1
11L	6,325	B1 U0 G1	6,600	B1 U0 G1	4,480	B1 U0 G1	6,600	B1 U0 G1
16L	9,225	B2 U0 G2	9,575	B2 U0 G2	6,525	B1 U0 G1	9,575	B2 U0 G2
22L	12,625	B2 U0 G2	13,175	B2 U0 G2	8,950	B2 U0 G2	13,175	B2 U0 G2
30L	17,200	B3 U0 G2	18,000	B3 U0 G2	12,225	B2 U0 G2	18,000	B3 U0 G2
40L	23,000	B3 U0 G3	24,000	B3 U0 G3	16,300	B3 U0 G2	24,000	B3 U0 G3
50L	28,700	B3 U0 G3	29,900	B3 U0 G3	20,400	B3 U0 G2	29,900	B3 U0 G3
65L	37,400	B3 U0 G4	38,900	B3 U0 G4	26,500	B3 U0 G3	38,900	B3 U0 G4
75L	43,100	B4 U0 G4	44,900	B4 U0 G4	30,500	B3 U0 G3	44,900	B4 U0 G4

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

Photometry

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4M W/OSQ*-C-BLSF



PRELIMINARY RESTL Test Report
OSQ Luminaire w/4M Optic w/OSQ-M-C-BLSF
Initial Delivered Lumens: 9,345

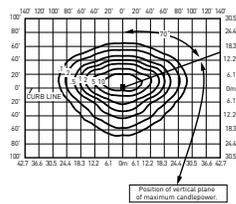
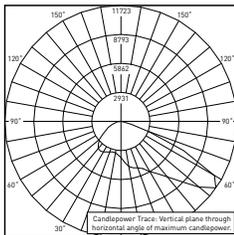
OSQL-C-40L-40K7-4M-UL w/OSQ-L-C-BLSF
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 24,000
Initial FC at grade

Type IV Mid Distribution w/OSQ*-C-BLSF

Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	2,300	B0 U1 G1	2,400	B1 U1 G1	1,630	B0 U1 G1	2,400	B1 U1 G1
6L	3,440	B1 U1 G1	3,590	B1 U1 G1	2,440	B1 U1 G1	3,590	B1 U1 G1
9L	5,175	B1 U1 G1	5,400	B1 U1 G1	3,670	B1 U1 G1	5,400	B1 U1 G1
11L	6,325	B1 U1 G2	6,600	B1 U1 G2	4,480	B1 U1 G1	6,600	B1 U1 G2
16L	9,225	B1 U1 G2	9,575	B1 U1 G2	6,525	B1 U1 G2	9,575	B1 U1 G2
22L	12,625	B2 U1 G2	13,175	B2 U1 G2	8,950	B1 U1 G2	13,175	B2 U1 G2
30L	17,200	B2 U1 G3	18,000	B2 U1 G3	12,225	B2 U1 G2	18,000	B2 U1 G3
40L	23,000	B3 U1 G3	24,000	B3 U1 G3	16,300	B2 U1 G2	24,000	B3 U1 G3
50L	28,700	B3 U1 G4	29,900	B3 U1 G4	20,400	B2 U1 G3	29,900	B3 U1 G4
65L	37,400	B3 U1 G4	38,900	B3 U1 G4	26,500	B3 U1 G4	38,900	B3 U1 G4
75L	43,100	B3 U1 G5	44,900	B3 U1 G5	30,500	B3 U1 G4	44,900	B3 U1 G5

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

AF



PRELIMINARY RESTL Test Report
OSQ Luminaire w/AF Optic
Initial Delivered Lumens: 15,866

OSQL-C-40L-40K7-AF-UL
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 38,000
Initial FC at grade

Automotive FrontLineOptic™ Distribution

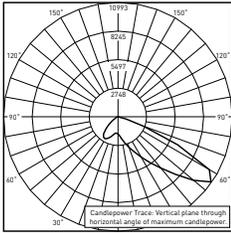
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	3,650	B1 U1 G1	3,800	B1 U1 G1	2,590	B1 U1 G1	3,800	B1 U1 G1
6L	5,475	B1 U1 G1	5,700	B1 U1 G1	3,880	B1 U1 G1	5,700	B1 U1 G1
9L	8,225	B2 U1 G1	8,550	B2 U1 G1	5,825	B1 U1 G1	8,550	B2 U1 G1
11L	10,025	B2 U1 G2	10,450	B2 U1 G2	7,100	B2 U1 G1	10,450	B2 U1 G2
16L	14,650	B3 U1 G2	15,200	B3 U1 G2	10,325	B2 U1 G2	15,200	B3 U1 G2
22L	20,100	B3 U1 G3	20,900	B3 U1 G3	14,200	B2 U1 G2	20,900	B3 U1 G3
30L	27,400	B3 U1 G3	28,500	B3 U1 G3	19,400	B3 U1 G3	28,500	B3 U1 G3
40L	36,500	B4 U1 G3	38,000	B4 U1 G3	25,900	B3 U1 G3	38,000	B4 U1 G3
50L	45,600	B4 U1 G4	47,500	B4 U1 G4	32,300	B3 U1 G3	47,500	B4 U1 G4
65L	59,300	B5 U1 G4	61,800	B5 U1 G4	42,000	B4 U1 G3	61,800	B5 U1 G4
75L	68,400	B5 U1 G4	71,300	B5 U1 G4	48,500	B4 U1 G4	71,300	B5 U1 G4

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

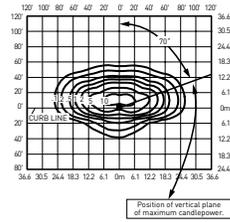
Photometry

All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult: <https://creelighting.com/products/outdoor/area/osq-series>

AB



PRELIMINARY RESTL Test Report
OSQ Luminaire w/AB Optic
Initial Delivered Lumens: 11,393

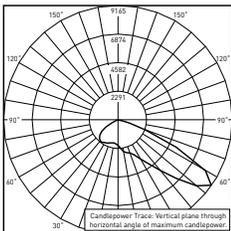


OSQ-L-C-40L-40K7-AB-UL
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 26,200
Initial FC at grade

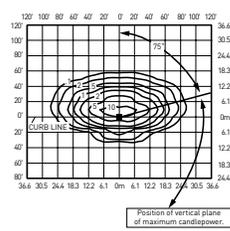
Automotive FrontLineOptic™ w/BLS Distribution								
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	2,510	B1 U1 G0	2,620	B1 U1 G0	1,780	B0 U1 G0	2,620	B1 U1 G0
6L	3,760	B1 U1 G0	3,920	B1 U1 G1	2,670	B1 U1 G0	3,920	B1 U1 G1
9L	5,650	B1 U1 G1	5,875	B1 U1 G1	4,000	B1 U1 G1	5,875	B1 U1 G1
11L	6,900	B1 U1 G1	7,200	B1 U1 G1	4,890	B1 U1 G1	7,200	B1 U1 G1
16L	10,075	B2 U1 G1	10,450	B2 U1 G1	7,100	B1 U1 G1	10,450	B2 U1 G1
22L	13,800	B2 U1 G2	14,375	B2 U1 G2	9,775	B2 U1 G1	14,375	B2 U1 G2
30L	18,800	B2 U1 G2	19,600	B2 U1 G2	13,350	B2 U1 G2	19,600	B2 U1 G2
40L	25,100	B3 U1 G2	26,200	B3 U1 G2	17,800	B2 U1 G2	26,200	B3 U1 G2
50L	31,400	B3 U1 G2	32,700	B3 U1 G2	22,200	B3 U1 G2	32,700	B3 U1 G2
65L	40,800	B3 U1 G3	42,500	B3 U1 G3	28,900	B3 U1 G2	42,500	B3 U1 G3
75L	47,100	B3 U1 G3	49,000	B4 U1 G3	33,300	B3 U1 G2	49,000	B4 U1 G3

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

AF W/OSQ*-C-BLSF



PRELIMINARY RESTL Test Report
OSQ Luminaire w/AF Optic w/OSQ-M-C-BLSF
Initial Delivered Lumens: 9,783



OSQ-L-C-40L-40K7-AF-UL w/OSQ-L-C-BLSF
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 26,200
Initial FC at grade

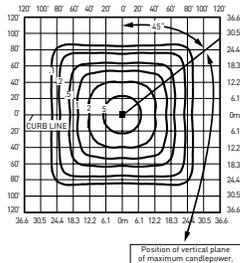
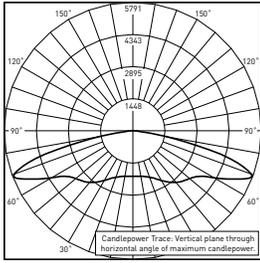
Automotive FrontLineOptic™ w/OSQ*-C-BLSF								
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	2,510	B1 U1 G0	2,620	B1 U1 G0	1,780	B0 U1 G0	2,620	B1 U1 G0
6L	3,760	B1 U1 G0	3,920	B1 U1 G1	2,670	B1 U1 G0	3,920	B1 U1 G1
9L	5,650	B1 U1 G1	5,875	B1 U1 G1	4,000	B1 U1 G1	5,875	B1 U1 G1
11L	6,900	B1 U1 G1	7,200	B1 U1 G1	4,890	B1 U1 G1	7,200	B1 U1 G1
16L	10,075	B2 U1 G1	10,450	B2 U1 G1	7,100	B1 U1 G1	10,450	B2 U1 G1
22L	13,800	B2 U1 G2	14,375	B2 U1 G2	9,775	B2 U1 G1	14,375	B2 U1 G2
30L	18,800	B3 U1 G2	19,600	B3 U1 G2	13,350	B2 U1 G2	19,600	B3 U1 G2
40L	25,100	B3 U1 G2	26,200	B3 U1 G2	17,800	B2 U1 G2	26,200	B3 U1 G2
50L	31,400	B3 U1 G2	32,700	B3 U1 G2	22,200	B3 U1 G2	32,700	B3 U1 G2
65L	40,800	B3 U1 G3	42,500	B3 U1 G3	28,900	B3 U1 G2	42,500	B3 U1 G3
75L	47,100	B4 U1 G3	49,000	B4 U1 G3	33,300	B3 U1 G2	49,000	B4 U1 G3

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

Photometry

All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult: <https://creelighting.com/products/outdoor/area/osq-series>

5M



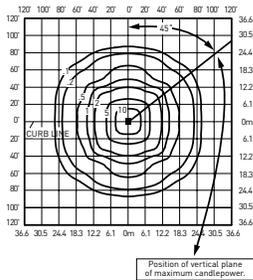
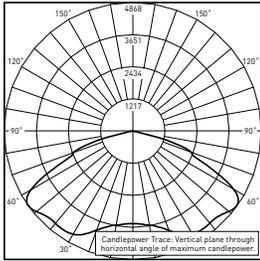
RESTL Test Report #: PL17290-002A
OSQM-C-16L-57K7-5M-UL-NM-WH
Initial Delivered Lumens: 15,567

OSQL-C-40L-40K7-5M-UL
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 40,000
Initial FC at grade

Type V Mid Distribution								
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	3,840	B2 U0 G1	4,000	B2 U0 G1	2,720	B2 U0 G1	4,000	B2 U0 G1
6L	5,750	B3 U0 G1	6,000	B3 U0 G1	4,080	B2 U0 G1	6,000	B3 U0 G1
9L	8,650	B3 U0 G1	9,000	B3 U0 G1	6,125	B3 U0 G1	9,000	B3 U0 G1
11L	10,550	B3 U0 G2	11,000	B3 U0 G2	7,475	B3 U0 G1	11,000	B3 U0 G2
16L	15,400	B4 U0 G2	16,000	B4 U0 G2	10,875	B3 U0 G2	16,000	B4 U0 G2
22L	21,100	B4 U0 G2	22,000	B4 U0 G2	14,950	B4 U0 G2	22,000	B4 U0 G2
30L	28,800	B5 U0 G3	30,000	B5 U0 G3	20,400	B4 U0 G2	30,000	B5 U0 G3
40L	38,400	B5 U0 G3	40,000	B5 U0 G4	27,200	B5 U0 G3	40,000	B5 U0 G4
50L	48,000	B5 U0 G4	50,000	B5 U0 G4	34,000	B5 U0 G3	50,000	B5 U0 G4
65L	62,400	B5 U0 G5	65,000	B5 U0 G5	44,200	B5 U0 G4	65,000	B5 U0 G5
75L	72,000	B5 U0 G5	75,000	B5 U0 G5	51,000	B5 U0 G4	75,000	B5 U0 G5

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
 ** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

5N



RESTL Test Report #: PL17333-002A
OSQM-C-16L-57K7-5N-UL-NM-WH
Initial Delivered Lumens: 16,299

OSQL-C-40L-40K7-5N-UL
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 40,000
Initial FC at grade

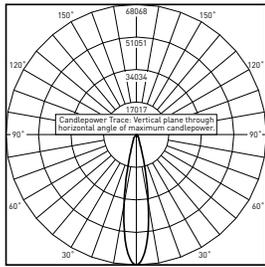
Type V Narrow Distribution								
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	3,840	B2 U0 G0	4,000	B2 U0 G0	2,720	B1 U0 G0	4,000	B2 U0 G0
6L	5,750	B2 U0 G0	6,000	B2 U0 G1	4,080	B2 U0 G0	6,000	B2 U0 G1
9L	8,650	B2 U0 G1	9,000	B3 U0 G1	6,125	B2 U0 G1	9,000	B3 U0 G1
11L	10,550	B3 U0 G1	11,000	B3 U0 G1	7,475	B2 U0 G1	11,000	B3 U0 G1
16L	15,400	B3 U0 G1	16,000	B3 U0 G2	10,875	B3 U0 G1	16,000	B3 U0 G2
22L	21,100	B4 U0 G2	22,000	B4 U0 G2	14,950	B3 U0 G1	22,000	B4 U0 G2
30L	28,800	B4 U0 G2	30,000	B5 U0 G2	20,400	B4 U0 G2	30,000	B5 U0 G2
40L	38,400	B5 U0 G2	40,000	B5 U0 G2	27,200	B4 U0 G2	40,000	B5 U0 G2
50L	48,000	B5 U0 G3	50,000	B5 U0 G3	34,000	B5 U0 G2	50,000	B5 U0 G3
65L	62,400	B5 U0 G3	65,000	B5 U0 G3	44,200	B5 U0 G2	65,000	B5 U0 G3
75L	72,000	B5 U0 G4	75,000	B5 U0 G4	51,000	B5 U0 G3	75,000	B5 U0 G4

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
 ** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

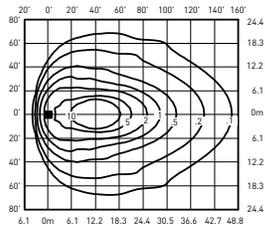
Photometry

All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult: <https://creelighting.com/products/outdoor/area/osq-series>

33



RESTL Test Report #: PL17338-001A
OSQM-C-16L-57K7-33-UL-NM-WH
Initial Delivered Lumens: 16,127

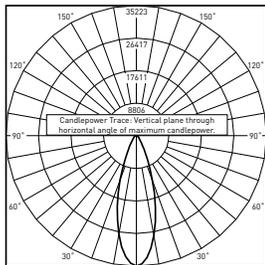


OSQL-C-40L-40K7-33-UL
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt
Initial Delivered Lumens: 40,000
Initial FC at grade

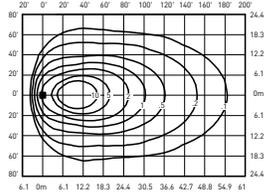
NEMA® 3x3 Distribution				
Lumen Package	3000K (70 CRI)	4000K (70 CRI)	5000K (90CRI)	5700K (70 CRI)
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
4L	3,840	4,000	2,720	4,000
6L	5,750	6,000	4,080	6,000
9L	8,650	9,000	6,125	9,000
11L	10,550	11,000	7,475	11,000
16L	15,400	16,000	10,875	16,000
22L	21,100	22,000	14,950	22,000
30L	28,800	30,000	20,400	30,000
40L	38,400	40,000	27,200	40,000
50L	48,000	50,000	34,000	50,000
65L	62,400	65,000	44,200	65,000
75L	72,000	75,000	51,000	75,000

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

44



PRELIMINARY RESTL Test Report
OSQ Luminaire w/44 Optic
Initial Delivered Lumens: 16,001



OSQL-C-40L-40K7-44-UL
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt
Initial Delivered Lumens: 40,000
Initial FC at grade

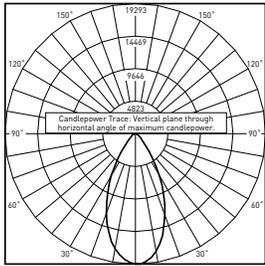
NEMA® 4x4 Distribution				
Lumen Package	3000K (70 CRI)	4000K (70 CRI)	5000K (90CRI)	5700K (70 CRI)
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
4L	3,840	4,000	2,720	4,000
6L	5,750	6,000	4,080	6,000
9L	8,650	9,000	6,125	9,000
11L	10,550	11,000	7,475	11,000
16L	15,400	16,000	10,875	16,000
22L	21,100	22,000	14,950	22,000
30L	28,800	30,000	20,400	30,000
40L	38,400	40,000	27,200	40,000
50L	48,000	50,000	34,000	50,000
65L	62,400	65,000	44,200	65,000
75L	72,000	75,000	51,000	75,000

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

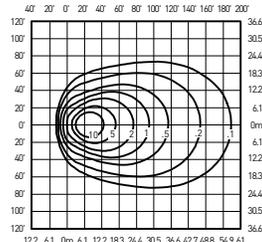
Photometry

All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult: <https://creelighting.com/products/outdoor/area/osq-series>

55



PRELIMINARY RESTL Test Report
OSQ Luminaire w/55 Optic
Initial Delivered Lumens: 15,967

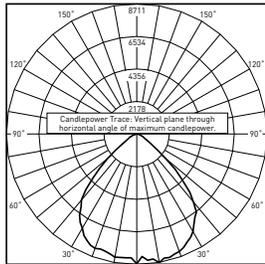


OSQ-L-C-40L-40K7-55-UL
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt
Initial Delivered Lumens: 40,000
Initial FC at grade

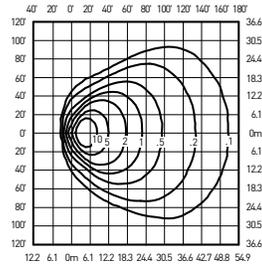
NEMA® 5x5 Distribution				
Lumen Package	3000K (70 CRI)	4000K (70 CRI)	5000K (90CRI)	5700K (70 CRI)
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
4L	3,840	4,000	2,720	4,000
6L	5,750	6,000	4,080	6,000
9L	8,650	9,000	6,125	9,000
11L	10,550	11,000	7,475	11,000
16L	15,400	16,000	10,875	16,000
22L	21,100	22,000	14,950	22,000
30L	28,800	30,000	20,400	30,000
40L	38,400	40,000	27,200	40,000
50L	48,000	50,000	34,000	50,000
65L	62,400	65,000	44,200	65,000
75L	72,000	75,000	51,000	75,000

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

66



PRELIMINARY RESTL Test Report
OSQ Luminaire w/66 Optic
Initial Delivered Lumens: 15,952



OSQ-L-C-40L-40K7-66-UL
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt
Initial Delivered Lumens: 40,000
Initial FC at grade

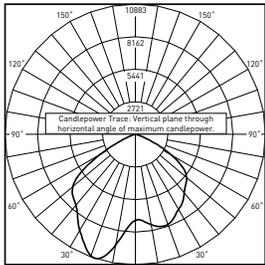
NEMA® 6x6 Distribution				
Lumen Package	3000K (70 CRI)	4000K (70 CRI)	5000K (90CRI)	5700K (70 CRI)
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
4L	3,840	4,000	2,720	4,000
6L	5,750	6,000	4,080	6,000
9L	8,650	9,000	6,125	9,000
11L	10,550	11,000	7,475	11,000
16L	15,400	16,000	10,875	16,000
22L	21,100	22,000	14,950	22,000
30L	28,800	30,000	20,400	30,000
40L	38,400	40,000	27,200	40,000
50L	48,000	50,000	34,000	50,000
65L	62,400	65,000	44,200	65,000
75L	72,000	75,000	51,000	75,000

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

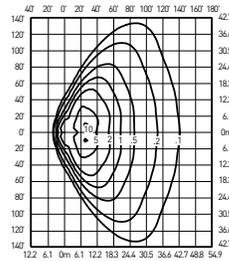
Photometry

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75



RESTL Test Report #: PL17352-001A
OSQM-C-16L-57K7-75-UL-NM-WH
Initial Delivered Lumens: 16,120



OSQL-C-40L-40K7-75-UL
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt
Initial Delivered Lumens: 40,000
Initial FC at grade

NEMA® 7x5 Distribution				
Lumen Package	3000K (70 CRI)	4000K (70 CRI)	5000K (90CRI)	5700K (70 CRI)
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
4L	3,840	4,000	2,720	4,000
6L	5,750	6,000	4,080	6,000
9L	8,650	9,000	6,125	9,000
11L	10,550	11,000	7,475	11,000
16L	15,400	16,000	10,875	16,000
22L	21,100	22,000	14,950	22,000
30L	28,800	30,000	20,400	30,000
40L	38,400	40,000	27,200	40,000
50L	48,000	50,000	34,000	50,000
65L	62,400	65,000	44,200	65,000
75L	72,000	75,000	51,000	75,000

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

Luminaire EPA

Adjustable Arm Mount – OSQ-ML-C-AA Weight: Medium - 19.3 lbs. [8.8kg]; Large - 28.4 lbs. [12.9kg]; OSQ-X-C-DA Weight: Extra Large - 48.6 lbs. [22kg]								
	Single	2 @ 180°	2 @ 90°	3 @ 90°	3 @ 120°	3 @ 180°	4 @ 180°	4 @ 90°
Luminaire	Tenon Configuration [0° - 90° Tilt]; If used with Cree Lighting tenons, please add tenon EPA with Luminaire EPA							
	PB-1A*; PT-1*; PW-1A3**	PB-2A*; PB-2R2.375; PD-2A4(180)*; PT-2(180)*; PW-2A3**	PB-2A*; PB-2R2.375; PD-2A4(90)*; PT-2(90)*; PW-2A3**	PB-3A*; PB-3R2.375; PD-3A4(90)*; PT-3(90)*	PB-3A*; PB-3R2.375; PT-3(120)*	PB-3A*; PB-3R2.375	PB-4A*(180); PB-4R2.375	PB-4A*(90); PB-4R2.375; PD-4A4(90)*; PT-4(90)*
	0° Tilt							
OSQM	0.69	1.38	1.11	1.80	2.01	1.38	1.73	2.22
OSQL	0.78	1.55	1.30	2.07	2.33	1.55	1.94	2.60
OSQX	0.98	1.95	1.65	2.63	2.97	1.95	2.44	3.31
	45° Tilt							
OSQM	1.41	2.81	2.10	3.50	4.23	4.22	5.63	4.19
OSQL	2.62	5.23	3.39	6.01	6.91	7.85	10.46	6.79
OSQX	4.35	8.70	5.33	9.68	9.65	13.05	17.40	10.66
	90° Tilt***							
OSQM	1.89	3.79	2.58	4.48	5.56	5.68	7.57	5.17
OSQL	3.52	7.03	4.29	7.81	9.14	10.55	14.07	8.59
OSQX	5.84	11.68	6.82	12.66	12.78	17.52	23.36	13.63

* Specify pole size: 3 [3"], 4 [4"], 5 [5"], or 6 [6"] for single, double or triple luminaire orientation or 4 [4"], 5 [5"], or 6 [6"] for quad luminaire orientation
 ** These EPA values must be multiplied by the following ratio: Fixture Mounting Height/Total Pole Height. Specify pole size: 3 [3"], 4 [4"], 5 [5"], or 6 [6"]
 *** PD-2A4(90), PT-2(90), PD-3A4(90), PT-3(90), PD-4A4(90), PT-4(90) are not compatible with 90 degree tilt
 + PT & PD aluminum tenons are not suitable for use with OSQX luminaires.

Tenon EPA

Part Number	EPA
PB-1A*	None
PB-2A*	0.82
PB-3A*	1.52
PB-4A*(180)	2.22
PB-4A*(90)	1.11
PB-2R2.375	0.92
PB-3R2.375	1.62
PB-4R2.375	2.32
PD Series Tenons	0.09
PT Series Tenons	0.10
PW-1A3**	0.47
PW-2A3**	0.94
WM-2	0.08
WM-4	0.25
WM-DM	None

* Specify pole size: 3 [3"], 4 [4"], 5 [5"], or 6 [6"] for single, double or triple luminaire orientation or 4 [4"], 5 [5"], or 6 [6"] for quad luminaire orientation
 ** These EPA values must be multiplied by the following ratio: Fixture Mounting Height/Total Pole Height. Specify pole size: 3 [3"], 4 [4"], 5 [5"], or 6 [6"]

Tenons and Brackets [†] (must specify color)	
<p>Square Internal Mount Vertical Tenons (Steel) - Mounts to 3-6" (76-152mm) square aluminum or steel poles</p> <p>PB-1A* – Single PB-2A* – 180° Twin PB-3A* – 180° Triple</p> <p>PB-4A*(90) – 90° Quad PB-4A*(180) – 180° Quad</p>	<p>Round External Mount Vertical Tenons (Steel) - Mounts to 2.375" (60mm) O.D. round aluminum or steel poles or tenons</p> <p>PB-2R2.375 – Twin PB-3R2.375 – Triple PB-4R2.375 – Quad</p>
<p>Square Internal Mount Horizontal Tenons (Aluminum) - Mounts to 4" (102mm) square aluminum or steel poles - Not for use with OSQX luminaires</p> <p>PD-2A4(90) – 90° Twin PD-2A4(180) – 180° Twin PD-3A4(90) – 90° Triple PD-4A4(90) – 90° Quad</p>	<p>Round External Mount Horizontal Tenons (Aluminum) - Mounts to 2.375" (60mm) O.D. round aluminum or steel poles or tenons - Mounts to square pole with PB-1A* tenon - Not for use with OSQX luminaires</p> <p>PT-1 – Single (Vertical) PT-2(90) – 90° Twin PT-2(180) – 180° Twin PT-3(90) – 90° Triple PT-3(120) – 120° Triple PT-4(90) – 90° Quad</p>
<p>Wall Mount Brackets - Mounts to wall or roof</p> <p>WM-2 – Horizontal for OSQ-ML-C-AA or OSQ-X-C-AA mounts WM-4 – L-Shape for OSQ-ML-C-AA or OSQ-X-C-AA mounts WM-DM – Plate for OSQ-ML-C-DA or OSQ-X-C-DA mounts</p>	<p>Mid-Pole Bracket - Mounts to square pole</p> <p>PW-1A3** – Single PW-2A3** – Double</p>
	<p>Ground Mount Post - For ground-mounted flood luminaires</p> <p>PGM-1 - for OSQ-ML-C-AA or OSQ-X-C-AA mounts</p>

[†] Refer to the [Bracket and Tenons spec sheet](#) for more details

Luminaire EPA

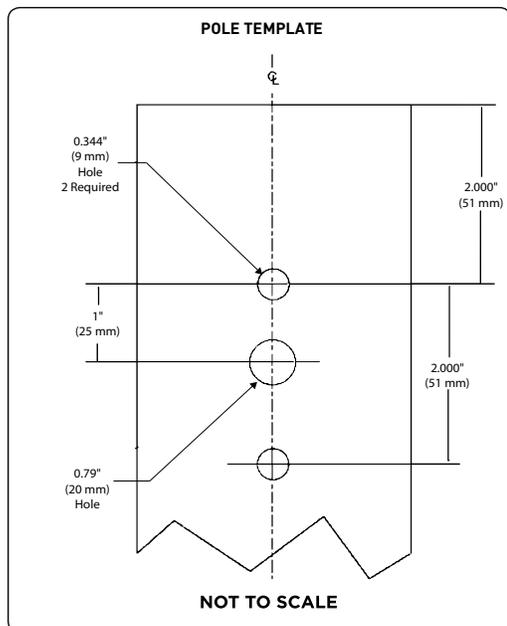
Direct Arm Mount – OSQ-ML-C-DA Weight: Medium - 19.7 lbs. (8.9kg); Large - 28.8 lbs. (13.1kg); OSQ-X-C-DA Weight: Extra Large - 45.8 lbs. (20.8kg)						
Luminaire	Single	2 @ 180°	2 @ 90°	3 @ 90°	3 @ 120°	4 @ 90°
OSQM	0.63	1.26	0.98	1.61	1.79	1.97
OSQL	0.72	1.45	1.24	1.97	2.23	2.49
OSQX	0.91	1.83	1.52	2.43	2.74	3.04

Direct Mount Configurations

Compatibility with Direct Mount Brackets					
Size	2 @ 90°	2 @ 180°	3 @ 90°	3 @ 120°	4 @ 90°
3" Square					
Medium/Large	✓	✓	✓	N/A	✓
Extra Large	N/A	✓	N/A	N/A	N/A
3" Round					
Medium/Large	N/A	✓	N/A	✓	N/A
Extra Large	N/A	N/A	N/A	N/A	N/A
4" Square					
Medium/Large	✓	✓	✓	N/A	✓
Extra Large	✓	✓	✓	N/A	✓
4" Round					
Medium/Large	✓	✓	✓	✓	✓
Extra Large	✓	✓	✓	✓	✓
5" Square					
Medium/Large	✓	✓	✓	N/A	✓
Extra Large	✓	✓	✓	N/A	✓
5" Round					
Medium/Large	✓	✓	✓	✓	✓
Extra Large	✓	✓	✓	✓	✓
6" + Square					
Medium/Large	✓	✓	✓	N/A	✓
Extra Large	✓	✓	✓	N/A	✓
6" + Round					
Medium/Large	✓	✓	✓	✓	✓
Extra Large	✓	✓	✓	✓	✓

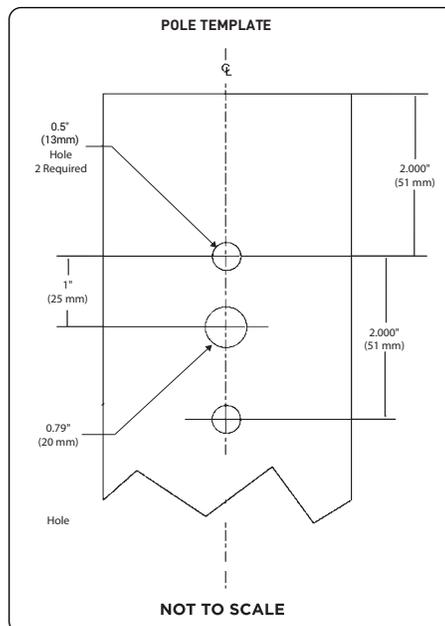
Fixture Mounting Drill Pattern for OSQ-ML-C-DA Mount

Note: When using with Cree Lighting poles, order the BLANK Fixture Mounting Drill Pattern.



Fixture Mounting Drill Pattern for OSQ-X-C-DA

Note: When using with Cree Lighting poles, order the Q Fixture Mounting Drill Pattern.



Luminaire EPA

Trunnion Mount – OSQ-ML-C-TM Weight:	
Medium - 23.2 lbs. (10.5kg);	
Large - 32.3 lbs. (14.7kg)	
Single	
Medium	Large
0° Tilt	
0.69	0.78
45° Tilt	
1.41	2.62
90° Tilt	
1.89	3.52

Field Adjustable Output (Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:

The Field Adjustable Output option enables the OSQ area luminaires to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected Q setting and will be fully adjustable between the nine settings. When ordered with the N option, the luminaire will include an ANSI C136.15-2020 utility label that indicates the wattage (rounded to nearest 10W), the lumen output (rounded to nearest 1000 lumens), and the CCT of the luminaire at the selected lumen output. Additional dimming functionality is available when a dimming control (by others) is used in the 7-Pin receptacle.

Locked Lumen Output (X8/X7/X6/X5/X4/X3/X2/X1) Option Description:

The Locked Lumen Output option on this page permanently locks the lumen output on the OSQ area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected and will only be able to be adjusted down in the field through a dimming control (by others). When ordered with the N option, the luminaire will include a utility label that indicates the wattage, lumen output, and CCT of the setting selected.

Q & X Option Power & Lumen Data – 4L Lumen Package

Q/X Option Setting	CCT/CRI	System Watts 120-277V	Lumen Values				Utility Label Wattage	Utility Label Lumens			
			Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS		Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS
Q9 (Full Power)	30K (70 CRI)	26	3,650	3,840	2,510	2,300	30	4000 L	4000 L	3000 L	2000 L
	40K (70 CRI)		3,800	4,000	2,620	2,400		4000 L	4000 L	3000 L	2000 L
	50K (90 CRI)		2,590	2,720	1,780	1,630		3000 L	3000 L	2000 L	2000 L
	57K (70 CRI)		3,800	4,000	2,620	2,400		4000 L	4000 L	3000 L	2000 L
Q8/X8	30K (70 CRI)	24	3,480	3,660	2,390	2,190	20	3000 L	4000 L	2000 L	2000 L
	40K (70 CRI)		3,630	3,820	2,500	2,290		4000 L	4000 L	3000 L	2000 L
	50K (90 CRI)		2,460	2,590	1,690	1,550		2000 L	3000 L	2000 L	2000 L
	57K (70 CRI)		3,630	3,820	2,500	2,290		4000 L	4000 L	3000 L	2000 L
Q7/X7	30K (70 CRI)	23	3,340	3,510	2,300	2,100	20	3000 L	4000 L	2000 L	2000 L
	40K (70 CRI)		3,480	3,660	2,390	2,190		3000 L	4000 L	2000 L	2000 L
	50K (90 CRI)		2,370	2,490	1,630	1,490		2000 L	2000 L	2000 L	1000 L
	57K (70 CRI)		3,480	3,660	2,390	2,190		3000 L	4000 L	2000 L	2000 L
Q6/X6	30K (70 CRI)	22	3,220	3,390	2,220	2,030	20	3000 L	3000 L	2000 L	2000 L
	40K (70 CRI)		3,360	3,540	2,310	2,120		3000 L	4000 L	2000 L	2000 L
	50K (90 CRI)		2,280	2,400	1,570	1,440		2000 L	2000 L	2000 L	1000 L
	57K (70 CRI)		3,360	3,540	2,310	2,120		3000 L	4000 L	2000 L	2000 L
Q5/X5	30K (70 CRI)	20	2,950	3,100	2,030	1,860	20	3000 L	3000 L	2000 L	2000 L
	40K (70 CRI)		3,070	3,230	2,110	1,930		3000 L	3000 L	2000 L	2000 L
	50K (90 CRI)		2,090	2,200	1,440	1,320		2000 L	2000 L	1000 L	1000 L
	57K (70 CRI)		3,070	3,230	2,110	1,930		3000 L	3000 L	2000 L	2000 L
Q4/X4	30K (70 CRI)	18	2,680	2,820	1,840	1,690	20	3000 L	3000 L	2000 L	2000 L
	40K (70 CRI)		2,790	2,940	1,920	1,760		3000 L	3000 L	2000 L	2000 L
	50K (90 CRI)		1,900	2,000	1,310	1,200		2000 L	2000 L	1000 L	1000 L
	57K (70 CRI)		2,790	2,940	1,920	1,760		3000 L	3000 L	2000 L	2000 L
Q3/X3	30K (70 CRI)	16	2,470	2,600	1,700	1,560	20	2000 L	3000 L	2000 L	2000 L
	40K (70 CRI)		2,580	2,710	1,770	1,620		3000 L	3000 L	2000 L	2000 L
	50K (90 CRI)		1,750	1,840	1,200	1,100		2000 L	2000 L	1000 L	1000 L
	57K (70 CRI)		2,580	2,710	1,770	1,620		3000 L	3000 L	2000 L	2000 L
Q2/X2	30K (70 CRI)	15	2,220	2,340	1,530	1,400	20	2000 L	2000 L	2000 L	1000 L
	40K (70 CRI)		2,320	2,440	1,600	1,460		2000 L	2000 L	2000 L	1000 L
	50K (90 CRI)		1,580	1,660	1,090	990		2000 L	2000 L	1000 L	1000 L
	57K (70 CRI)		2,320	2,440	1,600	1,460		2000 L	2000 L	2000 L	1000 L
Q1/X1	30K (70 CRI)	13	1,970	2,070	1,350	1,240	10	2000 L	2000 L	1000 L	1000 L
	40K (70 CRI)		2,050	2,160	1,410	1,290		2000 L	2000 L	1000 L	1000 L
	50K (90 CRI)		1,400	1,470	960	880		1000 L	1000 L	1000 L	1000 L
	57K (70 CRI)		2,050	2,160	1,410	1,290		2000 L	2000 L	1000 L	1000 L

Field Adjustable Output (Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:

The Field Adjustable Output option enables the OSQ area luminaires to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected Q setting and will be fully adjustable between the nine settings. When ordered with the N option, the luminaire will include an ANSI C136.15-2020 utility label that indicates the wattage (rounded to nearest 10W), the lumen output (rounded to nearest 1000 lumens), and the CCT of the luminaire at the selected lumen output. Additional dimming functionality is available when a dimming control (by others) is used in the 7-Pin receptacle.

Locked Lumen Output (X8/X7/X6/X5/X4/X3/X2/X1) Option Description:

The Locked Lumen Output option on this page permanently locks the lumen output on the OSQ area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected and will only be able to be adjusted down in the field through a dimming control (by others). When ordered with the N option, the luminaire will include a utility label that indicates the wattage, lumen output, and CCT of the setting selected.

Q & X Option Power & Lumen Data – 6L Lumen Package

Q/X Option Setting	CCT/CRI	System Watts 120-480V	Lumen Values				Utility Label Wattage	Utility Label Lumens			
			Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS		Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS
Q9 (Full Power)	30K (70 CRI)	37	5,475	5,750	3,760	3,440	40	5000 L	6000 L	4000 L	3000 L
	40K (70 CRI)		5,700	6,000	3,920	3,590		6000 L	6000 L	4000 L	4000 L
	50K (90 CRI)		3,880	4,080	2,670	2,440		4000 L	4000 L	3000 L	2000 L
	57K (70 CRI)		5,700	6,000	3,920	3,590		6000 L	6000 L	4000 L	4000 L
Q8/X8	30K (70 CRI)	34	5,200	5,475	3,580	3,280	30	5000 L	5000 L	4000 L	3000 L
	40K (70 CRI)		5,450	5,725	3,740	3,430		5000 L	6000 L	4000 L	3000 L
	50K (90 CRI)		3,700	3,890	2,540	2,330		4000 L	4000 L	3000 L	2000 L
	57K (70 CRI)		5,450	5,725	3,740	3,430		5000 L	6000 L	4000 L	3000 L
Q7/X7	30K (70 CRI)	32	4,990	5,250	3,430	3,140	30	5000 L	5000 L	3000 L	3000 L
	40K (70 CRI)		5,200	5,475	3,580	3,280		5000 L	5000 L	4000 L	3000 L
	50K (90 CRI)		3,550	3,730	2,440	2,230		4000 L	4000 L	2000 L	2000 L
	57K (70 CRI)		5,200	5,475	3,580	3,280		5000 L	5000 L	4000 L	3000 L
Q6/X6	30K (70 CRI)	30	4,820	5,075	3,320	3,040	30	5000 L	5000 L	3000 L	3000 L
	40K (70 CRI)		5,050	5,300	3,470	3,170		5000 L	5000 L	3000 L	3000 L
	50K (90 CRI)		3,430	3,610	2,360	2,160		3000 L	4000 L	2000 L	2000 L
	57K (70 CRI)		5,050	5,300	3,470	3,170		5000 L	5000 L	3000 L	3000 L
Q5/X5	30K (70 CRI)	28	4,420	4,650	3,040	2,780	30	4000 L	5000 L	3000 L	3000 L
	40K (70 CRI)		4,610	4,850	3,170	2,900		5000 L	5000 L	3000 L	3000 L
	50K (90 CRI)		3,140	3,300	2,160	1,980		3000 L	3000 L	2000 L	2000 L
	57K (70 CRI)		4,610	4,850	3,170	2,900		5000 L	5000 L	3000 L	3000 L
Q4/X4	30K (70 CRI)	25	4,010	4,220	2,760	2,530	30	4000 L	4000 L	3000 L	3000 L
	40K (70 CRI)		4,180	4,400	2,880	2,640		4000 L	4000 L	3000 L	3000 L
	50K (90 CRI)		2,840	2,990	1,960	1,790		3000 L	3000 L	2000 L	2000 L
	57K (70 CRI)		4,180	4,400	2,880	2,640		4000 L	4000 L	3000 L	3000 L
Q3/X3	30K (70 CRI)	23	3,710	3,900	2,550	2,340	20	4000 L	4000 L	3000 L	2000 L
	40K (70 CRI)		3,870	4,070	2,660	2,440		4000 L	4000 L	3000 L	2000 L
	50K (90 CRI)		2,630	2,770	1,810	1,660		3000 L	3000 L	2000 L	2000 L
	57K (70 CRI)		3,870	4,070	2,660	2,440		4000 L	4000 L	3000 L	2000 L
Q2/X2	30K (70 CRI)	20	3,340	3,510	2,300	2,100	20	3000 L	4000 L	2000 L	2000 L
	40K (70 CRI)		3,480	3,660	2,390	2,190		3000 L	4000 L	2000 L	2000 L
	50K (90 CRI)		2,370	2,490	1,630	1,490		2000 L	2000 L	2000 L	1000 L
	57K (70 CRI)		3,480	3,660	2,390	2,190		3000 L	4000 L	2000 L	2000 L
Q1/X1	30K (70 CRI)	18	2,950	3,100	2,030	1,860	20	3000 L	3000 L	2000 L	2000 L
	40K (70 CRI)		3,070	3,230	2,110	1,930		3000 L	3000 L	2000 L	2000 L
	50K (90 CRI)		2,090	2,200	1,440	1,320		2000 L	2000 L	1000 L	1000 L
	57K (70 CRI)		3,070	3,230	2,110	1,930		3000 L	3000 L	2000 L	2000 L

Field Adjustable Output (Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:

The Field Adjustable Output option enables the OSQ area luminaires to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected Q setting and will be fully adjustable between the nine settings. When ordered with the N option, the luminaire will include an ANSI C136.15-2020 utility label that indicates the wattage (rounded to nearest 10W), the lumen output (rounded to nearest 1000 lumens), and the CCT of the luminaire at the selected lumen output. Additional dimming functionality is available when a dimming control (by others) is used in the 7-Pin receptacle.

Locked Lumen Output (X8/X7/X6/X5/X4/X3/X2/X1) Option Description:

The Locked Lumen Output option on this page permanently locks the lumen output on the OSQ area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected and will only be able to be adjusted down in the field through a dimming control (by others). When ordered with the N option, the luminaire will include a utility label that indicates the wattage, lumen output, and CCT of the setting selected.

Q & X Option Power & Lumen Data – 9L Lumen Package

Q/X Option Setting	CCT/CRI	System Watts 120-480V	Lumen Values				Utility Label Wattage	Utility Label Lumens			
			Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS		Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS
Q9 (Full Power)	30K (70 CRI)	55	8,225	8,650	5,650	5,175	60	8000 L	9000 L	6000 L	5000 L
	40K (70 CRI)		8,550	9,000	5,875	5,400		9000 L	9000 L	6000 L	5000 L
	50K (90 CRI)		5,825	6,125	4,000	3,670		6000 L	6000 L	4000 L	4000 L
	57K (70 CRI)		8,550	9,000	5,875	5,400		9000 L	9000 L	6000 L	5000 L
Q8/X8	30K (70 CRI)	53	7,850	8,250	5,400	4,940	50	8000 L	8000 L	5000 L	5000 L
	40K (70 CRI)		8,150	8,575	5,600	5,125		8000 L	9000 L	6000 L	5000 L
	50K (90 CRI)		5,550	5,850	3,830	3,500		6000 L	6000 L	4000 L	4000 L
	57K (70 CRI)		8,150	8,575	5,600	5,125		8000 L	9000 L	6000 L	5000 L
Q7/X7	30K (70 CRI)	50	7,500	7,900	5,175	4,730	50	8000 L	8000 L	5000 L	5000 L
	40K (70 CRI)		7,825	8,225	5,375	4,930		8000 L	8000 L	5000 L	5000 L
	50K (90 CRI)		5,325	5,600	3,660	3,350		5000 L	6000 L	4000 L	3000 L
	57K (70 CRI)		7,825	8,225	5,375	4,930		8000 L	8000 L	5000 L	5000 L
Q6/X6	30K (70 CRI)	48	7,275	7,650	5,000	4,580	50	7000 L	8000 L	5000 L	5000 L
	40K (70 CRI)		7,550	7,950	5,200	4,760		8000 L	8000 L	5000 L	5000 L
	50K (90 CRI)		5,150	5,425	3,550	3,250		5000 L	5000 L	4000 L	3000 L
	57K (70 CRI)		7,550	7,950	5,200	4,760		8000 L	8000 L	5000 L	5000 L
Q5/X5	30K (70 CRI)	43	6,650	7,000	4,580	4,190	40	7000 L	7000 L	5000 L	4000 L
	40K (70 CRI)		6,925	7,275	4,760	4,360		7000 L	7000 L	5000 L	4000 L
	50K (90 CRI)		4,710	4,950	3,240	2,960		5000 L	5000 L	3000 L	3000 L
	57K (70 CRI)		6,925	7,275	4,760	4,360		7000 L	7000 L	5000 L	4000 L
Q4/X4	30K (70 CRI)	40	6,025	6,350	4,150	3,800	40	6000 L	6000 L	4000 L	4000 L
	40K (70 CRI)		6,275	6,600	4,320	3,950		6000 L	7000 L	4000 L	4000 L
	50K (90 CRI)		4,280	4,500	2,940	2,700		4000 L	5000 L	3000 L	3000 L
	57K (70 CRI)		6,275	6,600	4,320	3,950		6000 L	7000 L	4000 L	4000 L
Q3/X3	30K (70 CRI)	36	5,575	5,875	3,840	3,520	40	6000 L	6000 L	4000 L	4000 L
	40K (70 CRI)		5,800	6,100	3,990	3,650		6000 L	6000 L	4000 L	4000 L
	50K (90 CRI)		3,940	4,150	2,710	2,490		4000 L	4000 L	3000 L	2000 L
	57K (70 CRI)		5,800	6,100	3,990	3,650		6000 L	6000 L	4000 L	4000 L
Q2/X2*	30K (70 CRI)	32	5,025	5,275	3,450	3,160	30	5000 L	5000 L	3000 L	3000 L
	40K (70 CRI)		5,225	5,500	3,600	3,290		5000 L	6000 L	4000 L	3000 L
	50K (90 CRI)		3,560	3,740	2,450	2,240		4000 L	4000 L	2000 L	2000 L
	57K (70 CRI)		5,225	5,500	3,600	3,290		5000 L	6000 L	4000 L	3000 L
Q1/X1*	30K (70 CRI)	29	4,430	4,660	3,050	2,790	30	4000 L	5000 L	3000 L	3000 L
	40K (70 CRI)		4,610	4,850	3,170	2,900		5000 L	5000 L	3000 L	3000 L
	50K (90 CRI)		3,140	3,300	2,160	1,980		3000 L	3000 L	2000 L	2000 L
	57K (70 CRI)		4,610	4,850	3,170	2,900		5000 L	5000 L	3000 L	3000 L

* X2 and X1 options not available with 9L lumen package with UL voltage.

Field Adjustable Output (Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:

The Field Adjustable Output option enables the OSQ area luminaires to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected Q setting and will be fully adjustable between the nine settings. When ordered with the N option, the luminaire will include an ANSI C136.15-2020 utility label that indicates the wattage (rounded to nearest 10W), the lumen output (rounded to nearest 1000 lumens), and the CCT of the luminaire at the selected lumen output. Additional dimming functionality is available when a dimming control (by others) is used in the 7-Pin receptacle.

Locked Lumen Output (X8/X7/X6/X5/X4/X3/X2/X1) Option Description:

The Locked Lumen Output option on this page permanently locks the lumen output on the OSQ area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected and will only be able to be adjusted down in the field through a dimming control (by others). When ordered with the N option, the luminaire will include a utility label that indicates the wattage, lumen output, and CCT of the setting selected.

Q & X Option Power & Lumen Data – 11L Lumen Package

Q/X Option Setting	CCT/CRI	System Watts 120-480V	Lumen Values				Utility Label Wattage	Utility Label Lumens			
			Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS		Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS
Q9 (Full Power)	30K (70 CRI)	68	10,025	10,550	6,900	6,325	70	10000 L	11000 L	7000 L	6000 L
	40K (70 CRI)		10,450	11,000	7,200	6,600		10000 L	11000 L	7000 L	7000 L
	50K (90 CRI)		7,100	7,475	4,890	4,480		7000 L	7000 L	5000 L	4000 L
	57K (70 CRI)		10,450	11,000	7,200	6,600		10000 L	11000 L	7000 L	7000 L
Q8/X8	30K (70 CRI)	65	9,575	10,075	6,600	6,025	70	10000 L	10000 L	7000 L	6000 L
	40K (70 CRI)		9,975	10,500	6,875	6,300		10000 L	11000 L	7000 L	6000 L
	50K (90 CRI)		6,775	7,125	4,660	4,270		7000 L	7000 L	5000 L	4000 L
	57K (70 CRI)		9,975	10,500	6,875	6,300		10000 L	11000 L	7000 L	6000 L
Q7/X7	30K (70 CRI)	62	9,175	9,650	6,300	5,775	60	9000 L	10000 L	6000 L	6000 L
	40K (70 CRI)		9,550	10,050	6,575	6,025		10000 L	10000 L	7000 L	6000 L
	50K (90 CRI)		6,500	6,825	4,460	4,090		7000 L	7000 L	4000 L	4000 L
	57K (70 CRI)		9,550	10,050	6,575	6,025		10000 L	10000 L	7000 L	6000 L
Q6/X6	30K (70 CRI)	59	8,875	9,325	6,100	5,575	60	9000 L	9000 L	6000 L	6000 L
	40K (70 CRI)		9,250	9,725	6,350	5,825		9000 L	10000 L	6000 L	6000 L
	50K (90 CRI)		6,275	6,600	4,320	3,950		6000 L	7000 L	4000 L	4000 L
	57K (70 CRI)		9,250	9,725	6,350	5,825		9000 L	10000 L	6000 L	6000 L
Q5/X5	30K (70 CRI)	53	8,100	8,525	5,575	5,100	50	8000 L	9000 L	6000 L	5000 L
	40K (70 CRI)		8,450	8,900	5,825	5,325		8000 L	9000 L	6000 L	5000 L
	50K (90 CRI)		5,750	6,050	3,960	3,620		6000 L	6000 L	4000 L	4000 L
	57K (70 CRI)		8,450	8,900	5,825	5,325		8000 L	9000 L	6000 L	5000 L
Q4/X4	30K (70 CRI)	49	7,375	7,750	5,075	4,640	50	7000 L	8000 L	5000 L	5000 L
	40K (70 CRI)		7,675	8,075	5,275	4,840		8000 L	8000 L	5000 L	5000 L
	50K (90 CRI)		5,200	5,475	3,580	3,280		5000 L	5000 L	4000 L	3000 L
	57K (70 CRI)		7,675	8,075	5,275	4,840		8000 L	8000 L	5000 L	5000 L
Q3/X3	30K (70 CRI)	44	6,800	7,150	4,680	4,280	40	7000 L	7000 L	5000 L	4000 L
	40K (70 CRI)		7,075	7,450	4,870	4,460		7000 L	7000 L	5000 L	4000 L
	50K (90 CRI)		4,820	5,075	3,320	3,040		5000 L	5000 L	3000 L	3000 L
	57K (70 CRI)		7,075	7,450	4,870	4,460		7000 L	7000 L	5000 L	4000 L
Q2/X2	30K (70 CRI)	39	6,100	6,425	4,200	3,850	40	6000 L	6000 L	4000 L	4000 L
	40K (70 CRI)		6,375	6,700	4,380	4,010		6000 L	7000 L	4000 L	4000 L
	50K (90 CRI)		4,330	4,560	2,980	2,730		4000 L	5000 L	3000 L	3000 L
	57K (70 CRI)		6,375	6,700	4,380	4,010		6000 L	7000 L	4000 L	4000 L
Q1/X1	30K (70 CRI)	35	5,400	5,675	3,710	3,400	40	5000 L	6000 L	4000 L	3000 L
	40K (70 CRI)		5,625	5,925	3,870	3,550		6000 L	6000 L	4000 L	4000 L
	50K (90 CRI)		3,830	4,030	2,640	2,410		4000 L	4000 L	3000 L	2000 L
	57K (70 CRI)		5,625	5,925	3,870	3,550		6000 L	6000 L	4000 L	4000 L

Field Adjustable Output (Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:

The Field Adjustable Output option enables the OSQ area luminaires to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected Q setting and will be fully adjustable between the nine settings. When ordered with the N option, the luminaire will include an ANSI C136.15-2020 utility label that indicates the wattage (rounded to nearest 10W), the lumen output (rounded to nearest 1000 lumens), and the CCT of the luminaire at the selected lumen output. Additional dimming functionality is available when a dimming control (by others) is used in the 7-Pin receptacle.

Locked Lumen Output (X8/X7/X6/X5/X4/X3/X2/X1) Option Description:

The Locked Lumen Output option on this page permanently locks the lumen output on the OSQ area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected and will only be able to be adjusted down in the field through a dimming control (by others). When ordered with the N option, the luminaire will include a utility label that indicates the wattage, lumen output, and CCT of the setting selected.

Q & X Option Power & Lumen Data – 16L Lumen Package

Q/X Option Setting	CCT/CRI	System Watts 120-480V	Lumen Values				Utility Label Wattage	Utility Label Lumens			
			Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS		Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS
Q9 (Full Power)	30K (70 CRI)	97	14,650	15,400	10,075	9,225	100	15000 L	15000 L	10000 L	9000 L
	40K (70 CRI)		15,200	16,000	10,450	9,575		15000 L	16000 L	10000 L	10000 L
	50K (90 CRI)		10,325	10,875	7,100	6,525		10000 L	11000 L	7000 L	7000 L
	57K (70 CRI)		15,200	16,000	10,450	9,575		15000 L	16000 L	10000 L	10000 L
Q8/X8	30K (70 CRI)	93	13,975	14,700	9,600	8,800	90	14000 L	15000 L	10000 L	9000 L
	40K (70 CRI)		14,550	15,300	10,000	9,175		15000 L	15000 L	10000 L	9000 L
	50K (90 CRI)		9,850	10,375	6,775	6,225		10000 L	10000 L	7000 L	6000 L
	57K (70 CRI)		14,550	15,300	10,000	9,175		15000 L	15000 L	10000 L	9000 L
Q7/X7	30K (70 CRI)	87	13,375	14,075	9,200	8,425	90	13000 L	14000 L	9000 L	8000 L
	40K (70 CRI)		13,900	14,625	9,575	8,750		14000 L	15000 L	10000 L	9000 L
	50K (90 CRI)		9,450	9,950	6,500	5,950		9000 L	10000 L	7000 L	6000 L
	57K (70 CRI)		13,900	14,625	9,575	8,750		14000 L	15000 L	10000 L	9000 L
Q6/X6	30K (70 CRI)	84	12,950	13,625	8,900	8,150	80	13000 L	14000 L	9000 L	8000 L
	40K (70 CRI)		13,450	14,150	9,250	8,475		13000 L	14000 L	9000 L	8000 L
	50K (90 CRI)		9,150	9,625	6,300	5,775		9000 L	10000 L	6000 L	6000 L
	57K (70 CRI)		13,450	14,150	9,250	8,475		13000 L	14000 L	9000 L	8000 L
Q5/X5	30K (70 CRI)	76	11,825	12,450	8,150	7,450	80	12000 L	12000 L	8000 L	7000 L
	40K (70 CRI)		12,275	12,925	8,450	7,750		12000 L	13000 L	8000 L	8000 L
	50K (90 CRI)		8,350	8,775	5,750	5,250		8000 L	9000 L	6000 L	5000 L
	57K (70 CRI)		12,275	12,925	8,450	7,750		12000 L	13000 L	8000 L	8000 L
Q4/X4	30K (70 CRI)	70	10,750	11,300	7,400	6,775	70	11000 L	11000 L	7000 L	7000 L
	40K (70 CRI)		11,175	11,750	7,675	7,025		11000 L	12000 L	8000 L	7000 L
	50K (90 CRI)		7,575	7,975	5,225	4,780		8000 L	8000 L	5000 L	5000 L
	57K (70 CRI)		11,175	11,750	7,675	7,025		11000 L	12000 L	8000 L	7000 L
Q3/X3	30K (70 CRI)	62	9,925	10,450	6,825	6,250	60	10000 L	10000 L	7000 L	6000 L
	40K (70 CRI)		10,325	10,850	7,100	6,500		10000 L	11000 L	7000 L	7000 L
	50K (90 CRI)		7,000	7,375	4,820	4,420		7000 L	7000 L	5000 L	4000 L
	57K (70 CRI)		10,325	10,850	7,100	6,500		10000 L	11000 L	7000 L	7000 L
Q2/X2	30K (70 CRI)	55	8,925	9,400	6,150	5,625	60	9000 L	9000 L	6000 L	6000 L
	40K (70 CRI)		9,275	9,750	6,375	5,850		9000 L	10000 L	6000 L	6000 L
	50K (90 CRI)		6,300	6,625	4,330	3,970		6000 L	7000 L	4000 L	4000 L
	57K (70 CRI)		9,275	9,750	6,375	5,850		9000 L	10000 L	6000 L	6000 L
Q1*	30K (70 CRI)	50	7,900	8,300	5,425	4,970	50	8000 L	8000 L	5000 L	5000 L
	40K (70 CRI)		8,200	8,625	5,650	5,175		8000 L	9000 L	6000 L	5000 L
	50K (90 CRI)		5,550	5,850	3,830	3,500		6000 L	6000 L	4000 L	4000 L
	57K (70 CRI)		8,200	8,625	5,650	5,175		8000 L	9000 L	6000 L	5000 L

* X1 option not available with 16L lumen package.

Field Adjustable Output (Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:

The Field Adjustable Output option enables the OSQ area luminaires to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected Q setting and will be fully adjustable between the nine settings. When ordered with the N option, the luminaire will include an ANSI C136.15-2020 utility label that indicates the wattage (rounded to nearest 10W), the lumen output (rounded to nearest 1000 lumens), and the CCT of the luminaire at the selected lumen output. Additional dimming functionality is available when a dimming control (by others) is used in the 7-Pin receptacle.

Locked Lumen Output (X8/X7/X6/X5/X4/X3/X2/X1) Option Description:

The Locked Lumen Output option on this page permanently locks the lumen output on the OSQ area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected and will only be able to be adjusted down in the field through a dimming control (by others). When ordered with the N option, the luminaire will include a utility label that indicates the wattage, lumen output, and CCT of the setting selected.

Q & X Option Power & Lumen Data – 22L Lumen Package

Q/X Option Setting	CCT/CRI	System Watts 120-480V	Lumen Values				Utility Label Wattage	Utility Label Lumens			
			Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS		Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS
Q9 (Full Power)	30K (70 CRI)	131	20,100	21,100	13,800	12,625	130	20000 L	21000 L	14000 L	13000 L
	40K (70 CRI)		20,900	22,000	14,375	13,175		21000 L	22000 L	14000 L	13000 L
	50K (90 CRI)		14,200	14,950	9,775	8,950		14000 L	15000 L	10000 L	9000 L
	57K (70 CRI)		20,900	22,000	14,375	13,175		21000 L	22000 L	14000 L	13000 L
Q8/X8	30K (70 CRI)	126	19,100	20,100	13,150	12,050	130	19000 L	20000 L	13000 L	12000 L
	40K (70 CRI)		20,000	21,000	13,725	12,575		20000 L	21000 L	14000 L	13000 L
	50K (90 CRI)		13,550	14,250	9,325	8,525		14000 L	14000 L	9000 L	9000 L
	57K (70 CRI)		20,000	21,000	13,725	12,575		20000 L	21000 L	14000 L	13000 L
Q7/X7	30K (70 CRI)	119	18,300	19,300	12,625	11,550	120	18000 L	19000 L	13000 L	12000 L
	40K (70 CRI)		19,100	20,100	13,150	12,050		19000 L	20000 L	13000 L	12000 L
	50K (90 CRI)		13,000	13,675	8,950	8,200		13000 L	14000 L	9000 L	8000 L
	57K (70 CRI)		19,100	20,100	13,150	12,050		19000 L	20000 L	13000 L	12000 L
Q6/X6	30K (70 CRI)	114	17,800	18,700	12,225	11,200	110	18000 L	19000 L	12000 L	11000 L
	40K (70 CRI)		18,400	19,400	12,675	11,625		18000 L	19000 L	13000 L	12000 L
	50K (90 CRI)		12,575	13,225	8,650	7,925		13000 L	13000 L	9000 L	8000 L
	57K (70 CRI)		18,400	19,400	12,675	11,625		18000 L	19000 L	13000 L	12000 L
Q5/X5	30K (70 CRI)	103	16,200	17,000	11,125	10,175	100	16000 L	17000 L	11000 L	10000 L
	40K (70 CRI)		16,900	17,800	11,650	10,650		17000 L	18000 L	12000 L	11000 L
	50K (90 CRI)		11,475	12,075	7,900	7,225		11000 L	12000 L	8000 L	7000 L
	57K (70 CRI)		16,900	17,800	11,650	10,650		17000 L	18000 L	12000 L	11000 L
Q4/X4	30K (70 CRI)	95	14,725	15,500	10,125	9,275	100	15000 L	16000 L	10000 L	9000 L
	40K (70 CRI)		15,300	16,100	10,525	9,650		15000 L	16000 L	11000 L	10000 L
	50K (90 CRI)		10,425	10,975	7,175	6,575		10000 L	11000 L	7000 L	7000 L
	57K (70 CRI)		15,300	16,100	10,525	9,650		15000 L	16000 L	11000 L	10000 L
Q3/X3	30K (70 CRI)	84	13,600	14,300	9,350	8,575	80	14000 L	14000 L	9000 L	9000 L
	40K (70 CRI)		14,175	14,925	9,750	8,950		14000 L	15000 L	10000 L	9000 L
	50K (90 CRI)		9,625	10,125	6,625	6,075		10000 L	10000 L	7000 L	6000 L
	57K (70 CRI)		14,175	14,925	9,750	8,950		14000 L	15000 L	10000 L	9000 L
Q2/X2	30K (70 CRI)	75	12,250	12,875	8,425	7,700	80	12000 L	13000 L	8000 L	8000 L
	40K (70 CRI)		12,750	13,425	8,775	8,050		13000 L	13000 L	9000 L	8000 L
	50K (90 CRI)		8,675	9,125	5,975	5,475		9000 L	9000 L	6000 L	5000 L
	57K (70 CRI)		12,750	13,425	8,775	8,050		13000 L	13000 L	9000 L	8000 L
Q1/X1	30K (70 CRI)	68	10,825	11,375	7,450	6,825	70	11000 L	11000 L	7000 L	7000 L
	40K (70 CRI)		11,275	11,850	7,750	7,100		11000 L	12000 L	8000 L	7000 L
	50K (90 CRI)		7,650	8,050	5,275	4,820		8000 L	8000 L	5000 L	5000 L
	57K (70 CRI)		11,275	11,850	7,750	7,100		11000 L	12000 L	8000 L	7000 L

Field Adjustable Output (Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:

The Field Adjustable Output option enables the OSQ area luminaires to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected Q setting and will be fully adjustable between the nine settings. When ordered with the N option, the luminaire will include an ANSI C136.15-2020 utility label that indicates the wattage (rounded to nearest 10W), the lumen output (<= 24,000 lumens rounded to nearest 1000 lumens, > 24,001 lumens rounded to the nearest 2000 lumens), and the CCT of the luminaire at the selected lumen output. Additional dimming functionality is available when a dimming control (by others) is used in the 7-Pin receptacle.

Locked Lumen Output (X8/X7/X6/X5/X4/X3/X2/X1) Option Description:

The Locked Lumen Output option on this page permanently locks the lumen output on the OSQ area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected and will only be able to be adjusted down in the field through a dimming control (by others). When ordered with the N option, the luminaire will include a utility label that indicates the wattage, lumen output, and CCT of the setting selected.

Q & X Option Power & Lumen Data – 30L Lumen Package

Q/X Option Setting	CCT/CRI	System Watts 120-480V	Lumen Values				Utility Label Wattage	Utility Label Lumens			
			Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS		Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS
Q9 (Full Power)	30K (70 CRI)	175	27,400	28,800	18,800	17,200	130	28000 L	28000 L	19000 L	17000 L
	40K (70 CRI)		28,500	30,000	19,600	18,000		28000 L	30000 L	20000 L	18000 L
	50K (90 CRI)		19,400	20,400	13,350	12,225		19000 L	20000 L	13000 L	12000 L
	57K (70 CRI)		28,500	30,000	19,600	18,000		28000 L	30000 L	20000 L	18000 L
Q8/X8	30K (70 CRI)	168	26,100	27,500	18,000	16,500	170	26000 L	28000 L	18000 L	17000 L
	40K (70 CRI)		27,200	28,600	18,700	17,100		28000 L	28000 L	19000 L	17000 L
	50K (90 CRI)		18,500	19,500	12,750	11,675		19000 L	20000 L	13000 L	12000 L
	57K (70 CRI)		27,200	28,600	18,700	17,100		28000 L	28000 L	19000 L	17000 L
Q7/X7	30K (70 CRI)	158	25,000	26,300	17,200	15,800	160	26000 L	26000 L	17000 L	16000 L
	40K (70 CRI)		26,000	27,400	17,900	16,400		26000 L	28000 L	18000 L	16000 L
	50K (90 CRI)		17,700	18,600	12,150	11,150		18000 L	19000 L	12000 L	11000 L
	57K (70 CRI)		26,000	27,400	17,900	16,400		26000 L	28000 L	18000 L	16000 L
Q6/X6	30K (70 CRI)	152	24,200	25,500	16,700	15,300	150	24000 L	26000 L	17000 L	15000 L
	40K (70 CRI)		25,200	26,500	17,300	15,900		26000 L	26000 L	17000 L	16000 L
	50K (90 CRI)		17,100	18,000	11,775	10,775		17000 L	18000 L	12000 L	11000 L
	57K (70 CRI)		25,200	26,500	17,300	15,900		26000 L	26000 L	17000 L	16000 L
Q5/X5	30K (70 CRI)	137	22,100	23,300	15,200	13,950	140	22000 L	23000 L	15000 L	14000 L
	40K (70 CRI)		23,000	24,200	15,800	14,500		23000 L	24000 L	16000 L	15000 L
	50K (90 CRI)		15,700	16,500	10,800	9,875		16000 L	17000 L	11000 L	10000 L
	57K (70 CRI)		23,000	24,200	15,800	14,500		23000 L	24000 L	16000 L	15000 L
Q4/X4	30K (70 CRI)	126	20,100	21,100	13,800	12,625	130	20000 L	21000 L	14000 L	13000 L
	40K (70 CRI)		20,900	22,000	14,375	13,175		21000 L	22000 L	14000 L	13000 L
	50K (90 CRI)		14,225	14,975	9,800	8,975		14000 L	15000 L	10000 L	9000 L
	57K (70 CRI)		20,900	22,000	14,375	13,175		21000 L	22000 L	14000 L	13000 L
Q3/X3	30K (70 CRI)	113	18,500	19,500	12,750	11,675	110	19000 L	20000 L	13000 L	12000 L
	40K (70 CRI)		19,300	20,300	13,275	12,150		19000 L	20000 L	13000 L	12000 L
	50K (90 CRI)		13,150	13,825	9,050	8,275		13000 L	14000 L	9000 L	8000 L
	57K (70 CRI)		19,300	20,300	13,275	12,150		19000 L	20000 L	13000 L	12000 L
Q2/X2	30K (70 CRI)	100	16,700	17,600	11,500	10,550	100	17000 L	18000 L	12000 L	11000 L
	40K (70 CRI)		17,400	18,300	11,975	10,950		17000 L	18000 L	12000 L	11000 L
	50K (90 CRI)		11,825	12,450	8,150	7,450		12000 L	12000 L	8000 L	7000 L
	57K (70 CRI)		17,400	18,300	11,975	10,950		17000 L	18000 L	12000 L	11000 L
Q1*	30K (70 CRI)	90	14,725	15,500	10,125	9,275	90	15000 L	16000 L	10000 L	9000 L
	40K (70 CRI)		15,400	16,200	10,600	9,700		15000 L	16000 L	11000 L	10000 L
	50K (90 CRI)		10,450	11,000	7,200	6,600		10000 L	11000 L	7000 L	7000 L
	57K (70 CRI)		15,400	16,200	10,600	9,700		15000 L	16000 L	11000 L	10000 L

* X1 option not available with 30L lumen package.

Field Adjustable Output (Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:

The Field Adjustable Output option enables the OSQ area luminaires to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected Q setting and will be fully adjustable between the nine settings. When ordered with the N option, the luminaire will include an ANSI C136.15-2020 utility label that indicates the wattage (rounded to nearest 10W), the lumen output (<= 24,000 lumens rounded to nearest 1000 lumens, > 24,001 lumens rounded to the nearest 2000 lumens), and the CCT of the luminaire at the selected lumen output. Additional dimming functionality is available when a dimming control (by others) is used in the 7-Pin receptacle.

Locked Lumen Output (X8/X7/X6/X5/X4/X3/X2/X1) Option Description:

The Locked Lumen Output option on this page permanently locks the lumen output on the OSQ area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected and will only be able to be adjusted down in the field through a dimming control (by others). When ordered with the N option, the luminaire will include a utility label that indicates the wattage, lumen output, and CCT of the setting selected.

Q & X Option Power & Lumen Data – 40L Lumen Package

Q/X Option Setting	CCT/CRI	System Watts 120-480V	Lumen Values				Utility Label Wattage	Utility Label Lumens			
			Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS		Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS
Q9 (Full Power)	30K (70 CRI)	236	36,500	38,400	25,100	23,000	130	36000 L	38000 L	26000 L	23000 L
	40K (70 CRI)		38,000	40,000	26,200	24,000		38000 L	40000 L	26000 L	24000 L
	50K (90 CRI)		25,900	27,200	17,800	16,300		26000 L	28000 L	18000 L	16000 L
	57K (70 CRI)		38,000	40,000	26,200	24,000		38000 L	40000 L	26000 L	24000 L
Q8/X8	30K (70 CRI)	212	34,800	36,600	23,900	21,900	210	34000 L	36000 L	24000 L	22000 L
	40K (70 CRI)		36,300	38,200	25,000	22,900		36000 L	38000 L	26000 L	23000 L
	50K (90 CRI)		24,600	25,900	16,900	15,500		24000 L	26000 L	17000 L	16000 L
	57K (70 CRI)		36,300	38,200	25,000	22,900		36000 L	38000 L	26000 L	23000 L
Q7/X7	30K (70 CRI)	203	33,400	35,100	23,000	21,000	200	34000 L	36000 L	23000 L	21000 L
	40K (70 CRI)		34,800	36,600	23,900	21,900		34000 L	36000 L	24000 L	22000 L
	50K (90 CRI)		23,700	24,900	16,300	14,925		24000 L	24000 L	16000 L	15000 L
	57K (70 CRI)		34,800	36,600	23,900	21,900		34000 L	36000 L	24000 L	22000 L
Q6/X6	30K (70 CRI)	195	32,200	33,900	22,200	20,300	200	32000 L	34000 L	22000 L	20000 L
	40K (70 CRI)		33,600	35,400	23,100	21,200		34000 L	36000 L	23000 L	21000 L
	50K (90 CRI)		22,800	24,000	15,700	14,375		23000 L	24000 L	16000 L	14000 L
	57K (70 CRI)		33,600	35,400	23,100	21,200		34000 L	36000 L	23000 L	21000 L
Q5/X5	30K (70 CRI)	176	29,500	31,000	20,300	18,600	180	30000 L	32000 L	20000 L	19000 L
	40K (70 CRI)		30,700	32,300	21,100	19,300		30000 L	32000 L	21000 L	19000 L
	50K (90 CRI)		20,900	22,000	14,375	13,175		21000 L	22000 L	14000 L	13000 L
	57K (70 CRI)		30,700	32,300	21,100	19,300		30000 L	32000 L	21000 L	19000 L
Q4/X4	30K (70 CRI)	160	26,800	28,200	18,400	16,900	160	26000 L	28000 L	18000 L	17000 L
	40K (70 CRI)		27,900	29,400	19,200	17,600		28000 L	30000 L	19000 L	18000 L
	50K (90 CRI)		19,000	20,000	13,075	11,975		19000 L	20000 L	13000 L	12000 L
	57K (70 CRI)		27,900	29,400	19,200	17,600		28000 L	30000 L	19000 L	18000 L
Q3/X3	30K (70 CRI)	144	24,700	26,000	17,000	15,600	140	24000 L	26000 L	17000 L	16000 L
	40K (70 CRI)		25,800	27,100	17,700	16,200		26000 L	28000 L	18000 L	16000 L
	50K (90 CRI)		17,500	18,400	12,025	11,025		18000 L	18000 L	12000 L	11000 L
	57K (70 CRI)		25,800	27,100	17,700	16,200		26000 L	28000 L	18000 L	16000 L
Q2/X2	30K (70 CRI)	129	22,200	23,400	15,300	14,025	130	22000 L	23000 L	15000 L	14000 L
	40K (70 CRI)		23,200	24,400	16,000	14,625		23000 L	24000 L	16000 L	15000 L
	50K (90 CRI)		15,800	16,600	10,850	9,950		16000 L	17000 L	11000 L	10000 L
	57K (70 CRI)		23,200	24,400	16,000	14,625		23000 L	24000 L	16000 L	15000 L
Q1/X1	30K (70 CRI)	111	19,700	20,700	13,525	12,400	110	20000 L	21000 L	14000 L	12000 L
	40K (70 CRI)		20,500	21,600	14,125	12,925		21000 L	22000 L	14000 L	13000 L
	50K (90 CRI)		13,925	14,650	9,575	8,775		14000 L	15000 L	10000 L	9000 L
	57K (70 CRI)		20,500	21,600	14,125	12,925		21000 L	22000 L	14000 L	13000 L

Field Adjustable Output (Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:

The Field Adjustable Output option enables the OSQ area luminaires to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected Q setting and will be fully adjustable between the nine settings.

Locked Lumen Output (X8/X7/X6/X5/X4/X3/X2/X1) Option Description:

The Locked Lumen Output option on this page permanently locks the lumen output on the OSQ area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected and will only be able to be adjusted down in the field through a dimming control [by others].

Q & X Option Power & Lumen Data – 50L Lumen Package

Q/X Option Setting	CCT/CRI	System Watts 120-480V	Lumen Values			
			Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS
Q9 (Full Power)	30K (70 CRI)	297	45,600	48,000	31,400	28,700
	40K (70 CRI)		47,500	50,000	32,700	29,900
	50K (90 CRI)		32,300	34,000	22,200	20,400
	57K (70 CRI)		47,500	50,000	32,700	29,900
Q8/X8	30K (70 CRI)	285	43,500	45,800	29,900	27,400
	40K (70 CRI)		45,300	47,700	31,200	28,600
	50K (90 CRI)		30,800	32,400	21,200	19,400
	57K (70 CRI)		45,300	47,700	31,200	28,600
Q7/X7	30K (70 CRI)	269	41,700	43,900	28,700	26,300
	40K (70 CRI)		43,400	45,700	29,900	27,400
	50K (90 CRI)		29,600	31,100	20,300	18,600
	57K (70 CRI)		43,400	45,700	29,900	27,400
Q6/X6	30K (70 CRI)	258	40,300	42,400	27,700	25,400
	40K (70 CRI)		42,000	44,200	28,900	26,500
	50K (90 CRI)		28,600	30,100	19,700	18,000
	57K (70 CRI)		42,000	44,200	28,900	26,500
Q5/X5	30K (70 CRI)	233	36,900	38,800	25,400	23,200
	40K (70 CRI)		38,400	40,400	26,400	24,200
	50K (90 CRI)		26,100	27,500	18,000	16,500
	57K (70 CRI)		38,400	40,400	26,400	24,200
Q4/X4	30K (70 CRI)	215	33,500	35,200	23,000	21,100
	40K (70 CRI)		34,900	36,700	24,000	22,000
	50K (90 CRI)		23,800	25,000	16,300	14,975
	57K (70 CRI)		34,900	36,700	24,000	22,000
Q3/X3	30K (70 CRI)	191	30,900	32,500	21,300	19,500
	40K (70 CRI)		32,200	33,900	22,200	20,300
	50K (90 CRI)		22,000	23,100	15,100	13,825
	57K (70 CRI)		32,200	33,900	22,200	20,300
Q2/X2	30K (70 CRI)	170	27,900	29,300	19,200	17,500
	40K (70 CRI)		29,000	30,500	19,900	18,300
	50K (90 CRI)		19,700	20,700	13,525	12,400
	57K (70 CRI)		29,000	30,500	19,900	18,300
Q1/X1	30K (70 CRI)	153	24,600	25,900	16,900	15,500
	40K (70 CRI)		25,700	27,000	17,700	16,200
	50K (90 CRI)		17,400	18,300	11,975	10,950
	57K (70 CRI)		25,700	27,000	17,700	16,200

Field Adjustable Output (Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:

The Field Adjustable Output option enables the OSQ area luminaires to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected Q setting and will be fully adjustable between the nine settings.

Locked Lumen Output (X8/X7/X6/X5/X4/X3/X2/X1) Option Description:

The Locked Lumen Output option on this page permanently locks the lumen output on the OSQ area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected and will only be able to be adjusted down in the field through a dimming control [by others].

Q & X Option Power & Lumen Data – 65L Lumen Package

Q/X Option Setting	CCT/CRI	System Watts 120-480V	Lumen Values			
			Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS
Q9 (Full Power)	30K (70 CRI)	384	59,300	62,400	40,800	37,400
	40K (70 CRI)		61,800	65,000	42,500	38,900
	50K (90 CRI)		42,000	44,200	28,900	26,500
	57K (70 CRI)		61,800	65,000	42,500	38,900
Q8/X8	30K (70 CRI)	365	56,600	59,500	38,900	35,600
	40K (70 CRI)		58,900	62,000	40,500	37,100
	50K (90 CRI)		40,100	42,200	27,600	25,300
	57K (70 CRI)		58,900	62,000	40,500	37,100
Q7/X7	30K (70 CRI)	347	54,200	57,000	37,300	34,100
	40K (70 CRI)		56,500	59,400	38,800	35,600
	50K (90 CRI)		38,400	40,400	26,400	24,200
	57K (70 CRI)		56,500	59,400	38,800	35,600
Q6/X6	30K (70 CRI)	332	52,500	55,200	36,100	33,100
	40K (70 CRI)		54,700	57,500	37,600	34,400
	50K (90 CRI)		37,200	39,100	25,600	23,400
	57K (70 CRI)		54,700	57,500	37,600	34,400
Q5/X5	30K (70 CRI)	301	47,900	50,400	33,000	30,200
	40K (70 CRI)		49,900	52,500	34,300	31,400
	50K (90 CRI)		33,900	35,700	23,300	21,400
	57K (70 CRI)		49,900	52,500	34,300	31,400
Q4/X4	30K (70 CRI)	276	43,500	45,800	29,900	27,400
	40K (70 CRI)		45,300	47,700	31,200	28,600
	50K (90 CRI)		30,800	32,400	21,200	19,400
	57K (70 CRI)		45,300	47,700	31,200	28,600
Q3/X3	30K (70 CRI)	247	40,200	42,300	27,700	25,300
	40K (70 CRI)		41,900	44,100	28,800	26,400
	50K (90 CRI)		28,500	30,000	19,600	18,000
	57K (70 CRI)		41,900	44,100	28,800	26,400
Q2/X2	30K (70 CRI)	220	36,200	38,100	24,900	22,800
	40K (70 CRI)		37,700	39,700	26,000	23,800
	50K (90 CRI)		25,700	27,000	17,700	16,200
	57K (70 CRI)		37,700	39,700	26,000	23,800
Q1*	30K (70 CRI)	195	31,900	33,600	22,000	20,100
	40K (70 CRI)		33,300	35,000	22,900	21,000
	50K (90 CRI)		22,600	23,800	15,600	14,250
	57K (70 CRI)		33,300	35,000	22,900	21,000

* X1 option not available with 65L lumen package.

Field Adjustable Output (Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:

The Field Adjustable Output option enables the OSQ area luminaires to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected Q setting and will be fully adjustable between the nine settings.

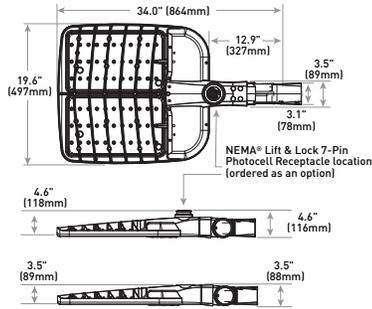
Locked Lumen Output (X8/X7/X6/X5/X4/X3/X2/X1) Option Description:

The Locked Lumen Output option on this page permanently locks the lumen output on the OSQ area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected and will only be able to be adjusted down in the field through a dimming control [by others].

Q & X Option Power & Lumen Data – 75L Lumen Package

Q/X Option Setting	CCT/CRI	System Watts 120-480V	Lumen Values			
			Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS
Q9 (Full Power)	30K (70 CRI)	447	68,400	72,000	47,100	43,100
	40K (70 CRI)		71,300	75,000	49,000	44,900
	50K (90 CRI)		48,500	51,000	33,300	30,500
	57K (70 CRI)		71,300	75,000	49,000	44,900
Q8/X8	30K (70 CRI)	426	65,300	68,700	44,900	41,100
	40K (70 CRI)		68,100	71,600	46,800	42,900
	50K (90 CRI)		46,300	48,700	31,800	29,200
	57K (70 CRI)		68,100	71,600	46,800	42,900
Q7/X7	30K (70 CRI)	404	62,500	65,800	43,000	39,400
	40K (70 CRI)		65,200	68,600	44,900	41,100
	50K (90 CRI)		44,300	46,600	30,500	27,900
	57K (70 CRI)		65,200	68,600	44,900	41,100
Q6/X6	30K (70 CRI)	387	60,500	63,600	41,600	38,100
	40K (70 CRI)		63,000	66,300	43,400	39,700
	50K (90 CRI)		42,900	45,100	29,500	27,000
	57K (70 CRI)		63,000	66,300	43,400	39,700
Q5/X5	30K (70 CRI)	350	55,300	58,200	38,100	34,900
	40K (70 CRI)		57,600	60,600	39,600	36,300
	50K (90 CRI)		39,200	41,200	26,900	24,700
	57K (70 CRI)		57,600	60,600	39,600	36,300
Q4/X4	30K (70 CRI)	321	50,200	52,800	34,500	31,600
	40K (70 CRI)		52,400	55,100	36,000	33,000
	50K (90 CRI)		35,600	37,400	24,500	22,400
	57K (70 CRI)		52,400	55,100	36,000	33,000
Q3/X3	30K (70 CRI)	287	46,400	48,800	31,900	29,200
	40K (70 CRI)		48,400	50,900	33,300	30,500
	50K (90 CRI)		32,900	34,600	22,600	20,700
	57K (70 CRI)		48,400	50,900	33,300	30,500
Q2/X2	30K (70 CRI)	256	41,700	43,900	28,700	26,300
	40K (70 CRI)		43,500	45,800	29,900	27,400
	50K (90 CRI)		29,600	31,100	20,300	18,600
	57K (70 CRI)		43,500	45,800	29,900	27,400
Q1/X1	30K (70 CRI)	227	36,900	38,800	25,400	23,200
	40K (70 CRI)		38,400	40,400	26,400	24,200
	50K (90 CRI)		26,100	27,500	18,000	16,500
	57K (70 CRI)		38,400	40,400	26,400	24,200

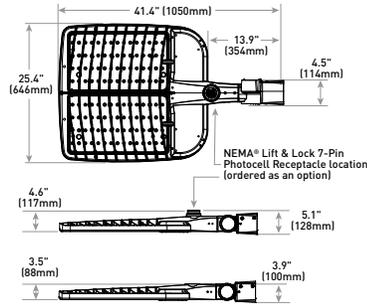
OSQL - AA Mount



Luminaire	Weight
OSQL	28.4 lbs. [12.9kg]

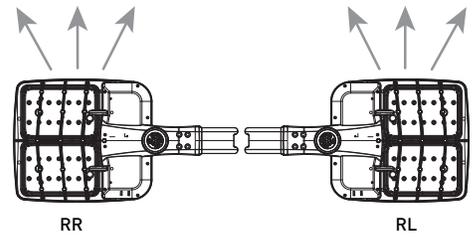
Note: For OSQM w/AA mount, refer to drawing on page 1.

OSQX - AA Mount

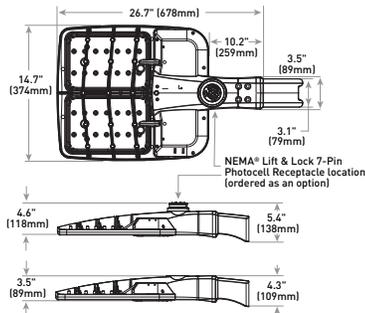


Luminaire	Weight
OSQX	48.6 lbs. [22.0kg]

RR/RL Configuration



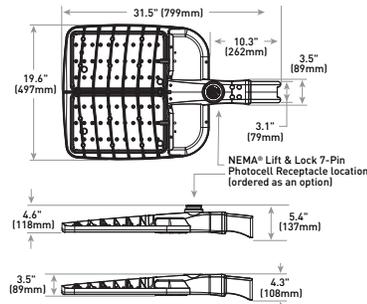
OSQM - DA Mount



Luminaire	Weight
OSQM	19.7 lbs. [8.9kg]

Note: Refer to page 14 for fixture mounting drill pattern.

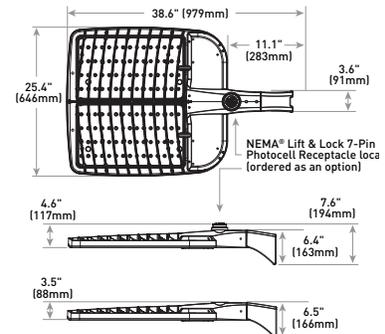
OSQL - DA Mount



Luminaire	Weight
OSQL	28.8 lbs. [13.1kg]

Note: Refer to page 14 for fixture mounting drill pattern.

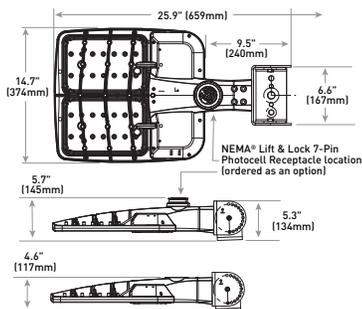
OSQX-DA Mount



Luminaire	Weight
OSQX	45.8 lbs. [20.8kg]

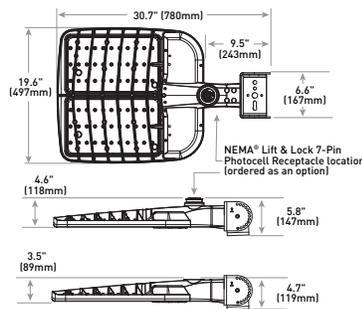
Note: Refer to page 14 for fixture mounting drill pattern.

OSQM - Trunnion Mount



Luminaire	Weight
OSQM	23.2 lbs. [10.5kg]

OSQL - Trunnion Mount



Luminaire	Weight
OSQL	32.3 lbs. [14.7kg]

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OSQ Series

OSQ™ LED Area/Flood Luminaire featuring Patented NanoComfort™ Technology – Version C

Rev. Date: V3 04/17/2023

GC TO SEE NOTES BELOW

Product Description

The OSQ™ Area/Flood luminaire blends extreme optical control, advanced thermal management and modern, clean aesthetics. Built to last, the housing is rugged cast aluminum with an integral, weathertight LED driver compartment. Versatile mounting configurations offer simple installation. Its slim, low-profile design minimizes wind load requirements and blends seamlessly into the site providing even, quality illumination. Medium is suitable upgrade for HID applications up to 400 Watts. Large is suitable upgrade for HID applications up to 1000 Watts. Extra Large is suitable upgrade for HID applications up to multiple 1000 Watts.

Applications: Parking lots, walkways, campuses, car dealerships, office complexes, high-mast and internal roadways

Performance Summary

Utilizes Patented NanoComfort™ Technology

Utilizes Cree TrueWhite® Technology on 5000K Luminaires

Assembled in the USA by Cree Lighting from US and imported parts

Initial Delivered Lumens: 4,000 - 75,000

Efficacy: Up to 171 LPW

CRI: Minimum 70 CRI (3000K, 4000K & 5700K); 90 CRI (5000K)

CCT: 3000K, 4000K, 5000K, 5700K

Limited Warranty*: 10 years for luminaire; 10 years for Colorfast DeltaGuard® finish; 5 years for BML sensor; up to 5 years for Synapse® accessories; 1 year for luminaire accessories

* See <http://creelighting.com/warranty> for warranty terms. For Synapse accessories, consult Synapse spec sheets for details on warranty terms.

Ordering Information

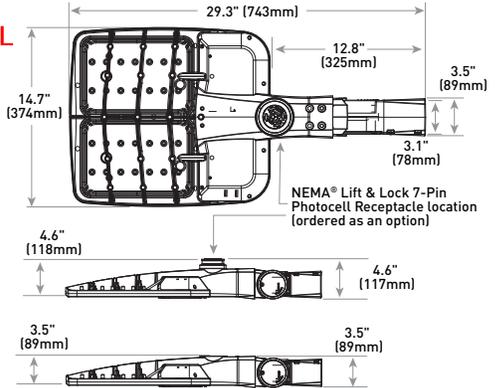
Fully assembled luminaire is composed of two components that must be ordered separately:

Example: **Mount:** OSQ-ML-C-AA-BK + **Luminaire:** OSQM-C-4L-30K7-2M-UL-NM-BK

Mount (Luminaire must be ordered separately)*			
OSQ-			
Medium/Large Mounts	Extra Large Mounts	Color Options:	SV Silver BZ Bronze WH White
OSQ-ML-C-AA Adjustable Arm	OSQ-X-C-AA Adjustable Arm	BK Black	
OSQ-ML-C-DA Direct Arm	OSQ-X-C-DA Direct Arm	WH White	
OSQ-ML-C-TM Trunnion Mount			

* Reference fixture mounting drill pattern, EPA, and pole configuration suitability data beginning on page 14.

OSQM - AA Mount



Luminaire	Weight
OSQM	19.3 lbs. (8.8kg)

Note: For OSQL, OSQX and additional mounts, refer to drawings beginning on page 26.

GC TO REFERENCE PLANS FOR COLOR DESIGNATION

Luminaire (Mount must be ordered separately)

OSQ	C	Series	Lumen Package ¹	CCT/ CRI	Optic	Voltage	Mount	Color Options	Controls*	Options				
OSQ	M Medium L Large X Extra Large	C	Medium 4L 4,000 Lumens 6L 6,000 Lumens 9L 9,000 Lumens 11L 11,000 Lumens 16L 16,000 Lumens	30K7 3000K, 70 CRI 40K7 4000K, 70 CRI 50K9 5000K, 90 CRI 57K7 5700K, 70 CRI	Asymmetric 2M Type II Mid 2B Type II Mid w/ Factory-Installed Backlight Shield 3M Type III Mid 3B Type III Mid w/ Factory-Installed Backlight Shield 4M Type IV Mid	4B Type IV Mid w/ Factory- Installed Backlight Shield AF Automotive FrontlineOptic™ AB Automotive- FrontlineOptic™ w/Factory- Installed Backlight Shield	UL Universal 120-277V UH Universal 347-480V - Not available with 4L, 40L or 75L lumen packages UE Universal 277-480V - Available only with 40L and 75L lumen packages	NM No Mount - Must specify mount from table above - Mount ships separately	BK Black BZ Bronze SV Silver WH White	BML Bluetooth® Technology Enabled Multi-Level Sensor - Utilizes a multifunction sensor - Refer to BML spec sheet for details - 20-40° sensor lens installed on luminaire; 8-20° sensor lens and aisle shroud included - Intended for downlight applications at 0° tilt - Not available with Q or X options or Synapse TL7-B2 or TL7-HVG accessories Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1 Field Adjustable Output - Must select Q9, Q8, Q7, Q6, Q5, Q4, Q3, Q2, or Q1 - Offers full range adjustability - Refer to pages 15-25 for power and lumen values - Not available with BML or X options or Synapse TL7-B2 or TL7-HVG accessories X8/X7/X6/X5/X4/X3/X2/X1 Locked Lumen Output - Must select X8, X7, X6, X5, X4, X3, X2, or X1 - Not available with BML or Q options - X1 option not available with the following lumen package/voltage offerings: 9L/UL, 16L/UL, 16L/UH, 30L/UL, 30L/UH, 65L/UL, 65L/UH - X2 option not available 9L/UL lumen package/voltage - Lumen output is permanently locked to the setting selected - Refer to pages 15-25 for power and lumen values	20KV 20kV/10KA Surge Suppression - Replaces standard 10kV/5kA surge protection F Fuse - Compatible with 120V, 277V or 347V (phase to neutral) - Consult factory if fusing is required for 208V, 240V or 480V (phase to phase) - When code dictates fusing, use time delay fuse N Utility Label and NEMA® Lift & Lock 7-Pin Photocell Receptacle - External utility label per ANSI C136.15-2020 - 7-pin receptacle per ANSI C136.41 - Available only with OSQM & OSQL luminaires - Intended for downlight applications with maximum 45° tilt - Factory connected 0-10V dim leads - Requires photocell or shorting cap by others R NEMA® Lift & Lock 7-Pin Photocell Receptacle - 7-pin receptacle per ANSI C136.41 - Intended for downlight applications with maximum 45° tilt - Factory connected 0-10V dim leads - Requires photocell or shorting cap by others - Refer to page 2 for compatible Synapse control offerings RL Rotate Left - LED and optic are rotated to the left - Refer to RR/RL configuration diagram on page 26 for optic directionality - Not for use with symmetric optics RR Rotate Right - LED and optic are rotated to the right - Refer to RR/RL configuration diagram on page 26 for optic directionality - Not for use with symmetric optics			
												Large 22L 22,000 Lumens 30L 30,000 Lumens 40L 40,000 Lumens 75L 75,000 Lumens	5M Type V Mid 5N Type V Narrow	33 NEMA® 3x3 44 NEMA® 4x4 55 NEMA® 5x5 66 NEMA® 6x6 75 NEMA® 7x5

GC TO VERIFY AND SPECIFY IF NOT UL

¹ Lumen Package codes identify approximate light output only. Actual lumen output levels vary by CCT and optic selection. Refer to Initial Delivered Lumen tables for specific lumen values

* Luminaire comes standard with 0-10V dimming



US: creelighting.com (800) 236-6800
Canada: creelighting-canada.com (800) 473-1234



Product Specifications

CREE LIGHTING NANOCOMFORT™ TECHNOLOGY

Cree Lighting's NanoComfort™ Technology ends the trade-offs in outdoor lighting by providing superior glare reduction and visual comfort in high-efficiency illumination delivered precisely where it is needed. The basic building block of NanoComfort™ Technology is a compact 4x4 array of LEDs. Each of the 16 LEDs in a module is in contact with its own acrylic polymer lens to capture and precisely direct light. With NanoComfort™ Technology, the acrylic optics are cut and sculpted into facets that relieve the glare and harshness while improving visual comfort – all while retaining superb efficacy and control.

CREE TRUEWHITE® TECHNOLOGY

A revolutionary way to generate high-quality white light, Cree TrueWhite® Technology is a patented approach that delivers an exclusive combination of 90+ CRI, beautiful light characteristics and lifelong color consistency, all while maintaining high luminous efficacy – a true no-compromise solution.

CONSTRUCTION & MATERIALS

- Slim, low profile design minimizes wind load requirements
- Luminaire housing is rugged die cast aluminum with an integral, weathertight LED driver compartment and high-performance heat sink
- Acrylic optic w/clear tempered glass lens
- Convenient interlocking mounting method on direct arm. Mounting adaptor is rugged die cast aluminum and mounts to 3" (76mm) or larger square or round pole, secured by two 5/16-18 UNC bolts spaced on 2" (51mm) centers. Refer to page 14 for fixture mounting drill pattern
- Adjustable arm mount adapters are rugged die cast aluminum
- OSQ-ML-C-AA mounts to a horizontal or vertical 2" (51mm) IP, 2.375" (60mm) O.D. tenon and can be adjusted 180° in 2.5° increments
- OSQ-X-C-AA mounts to a horizontal or vertical 2" (51mm) IP, 2.375-2.50" (60-64mm) O.D. steel tenon and can be adjusted 180° in 5.0° increments. **NOTE: Tenon length must be a minimum of 3.75" (95mm), and tenon must be steel**
- Trunnion mount is constructed of A500 and A1011 steel and is adjustable from 0-180° in 15° degree increments. Trunnion mount secures to surface with (1) 3/4" bolt or (2) 1/2" or 3/8" bolts
- Luminaires include 15" (381mm) 18/5 cord exiting the luminaire
- Designed for uplight and downlight applications. Uplight orientation not suitable for use with N or R options
- Exclusive Colorfast DeltaGuard® finish features an E-Coat epoxy primer with an ultra-durable powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation and abrasion. Silver, bronze, black, and white are available

Weight			
Mount	Housing Size		
	Medium	Large	Extra Large
Direct Arm	19.7 lbs. (8.9kg)	28.8 lbs. (13.1kg)	45.8 lbs. (20.8kg)
Adjustable Arm	19.3 lbs. (8.8kg)	28.4 lbs. (12.9kg)	48.6 lbs. (22.0kg)
Trunnion	23.2 lbs. (10.5kg)	32.3 lbs. (14.7kg)	N/A

For BML sensor add 0.1 lbs. (45g), and for NEMA receptacle, add 0.3 lbs. (136g).

ELECTRICAL SYSTEM

- **Input Voltage:** 120-277V, 277-480V or 347-480V, 50/60Hz, Class 1 drivers
- **Power Factor:** > 0.9 at full load
- **Total Harmonic Distortion:** < 20% at full load
- Integral 10kV/5kA surge suppression protection standard; 20kV/10kA surge suppression protection optional
- When code dictates fusing, a slow blow fuse or type C/D breaker should be used to address inrush current
- Designed with 0-10V dimming capabilities. Controls by others
- Refer to [Dimming spec sheet](#) for details
- **Maximum 10V Source Current:** 1.8mA
- **Operating Temperature Range:** -40°C - +40°C (-40°F - +104°F)

REGULATORY & VOLUNTARY QUALIFICATIONS

- cULus Listed (UL1598)
- Suitable for wet locations
- Meets NEMA C82.77 standards
- Drivers and LEDs are UL certified in accordance with UL8750
- Meets requirements of IP66 per IEC 60529 when ordered without N or R options
- Certified to ANSI C136.31-2018, 3G bridge and overpass vibration standards
- ANSI C136.2 10kV/5kA (standard) and 20kV/10kA (optional) surge suppression protection tested in accordance with IEEE/ANSI C62.41.2
- Meets FCC Part 15, Subpart B, Class A limits for conducted and radiated emissions
- Luminaire and finish endurance tested to withstand 5,000 hours of elevated ambient salt fog conditions as defined in ASTM Standard B 117
- Lens meets IK07 requirements per IEC 60068-2
- Assembled in the USA by Cree Lighting from US and imported parts
- Meets Buy American requirements within ARRA
- RoHS compliant. Consult factory for additional details
- Dark Sky Friendly, IDA Approved when ordered with 30K CCT and direct arm mount only. Please refer to <https://www.darksky.org/our-work/lighting/lighting-for-industry/fsa/fsa-products/> for most current information (Pending)
- **CA RESIDENTS WARNING:** Cancer and Reproductive Harm – www.p65warnings.ca.gov

Product Specifications

SYNAPSE® SIMPLYSNAP INTELLIGENT CONTROL

The Synapse SimplySNAP platform is a highly intuitive connected lighting solution featuring zone dimming, motion sensing, and daylight harvesting with utility-grade power monitoring and support of up to 1000 nodes per gateway. The system features a reliable and robust self-healing mesh network with a browser-based interface that runs on smartphones, tablets, and PCs. The Twist-Lock Lighting Controller (TL7-B2 or TL7-HVG) and Site Controller (SS450-002) take the OSQ Series to a new performance plateau, providing extreme energy productivity, code compliance and a better light experience.

Synapse Wireless Control Accessories	
Twist-Lock Lighting Controller TL7-B2 - Suitable for 120-277V (UL) voltage only - Requires NEMA/ANSI C136.41 7-Pin Dimming Receptacle - Not for use with BML or Q options - Provides On/Off switching, dimming, power metering, digital sensor input, and status monitoring of luminaire - Refer to TL7-B2 spec sheet for details	Synapse Wireless Sensor WSN-DPM - Motion and light sensor - Control multiple zones - Refer to WSN-DPM spec sheet for details
Twist-Lock Lighting Controller TL7-HVG - Suitable for 120-480V (UL, UE and UH) voltages - Requires NEMA/ANSI C136.41 7-Pin Dimming Receptacle - Not for use with BML or Q options - Provides On/Off switching, dimming, power metering, digital sensor input, and status monitoring of luminaire - Refer to TL7-HVG spec sheet for details	SimplySNAP On-Site Controller SS450-002 - Verizon® LTE-enabled - Designed for indoor applications - Refer to SS450-002 spec sheet for details
SimplySNAP Central Base Station CBSSW-450-002 - Includes On-Site Controller (SS450-002) and 5-button switch - Indoor and Outdoor rated - Refer to CBSSW-450-002 spec sheet for details	Building Management System (BMS) Gateway BMS-GW-002 - Required for BACnet integration - Refer to BMS-GW-002 spec sheet for details
	Outdoor Antennas [Optional, for increased range, 8dB gain] KIT-ANT4205M - Kit includes antenna, 20' cable and bracket KIT-ANT360 - Kit includes antenna, 30' cable and bracket KIT-ANT600 - Kit includes antenna, 50' cable and bracket - Refer to Outdoor antenna spec sheet for details

Electrical Data*

Lumen Package	System Watts 120-480V	Utility Label Wattage	Total Current (A)					
			120V	208V	240V	277V	347V	480V
4L**	26	30	0.21	0.12	0.11	0.09	N/A	N/A
6L	37	40	0.31	0.18	0.15	0.13	0.11	0.08
9L	55	60	0.46	0.27	0.23	0.20	0.16	0.12
11L	68	70	0.57	0.33	0.28	0.25	0.20	0.14
16L	97	100	0.81	0.47	0.40	0.35	0.28	0.20
22L	131	130	1.09	0.63	0.55	0.47	0.38	0.27
30L	175	180	1.46	0.84	0.73	0.63	0.50	0.36
40L	236	240	1.96	1.13	0.98	0.85	0.68	0.49
50L	297	N/A	2.48	1.43	1.24	1.07	0.86	0.62
65L	384	N/A	3.20	1.85	1.60	1.39	1.11	0.80
75L	447	N/A	3.73	2.15	1.86	1.61	1.29	0.93

* Electrical data at 25°C (77°F). Actual wattage may differ by +/- 10% when operating between 120-277V, 277-480V or 347-480V +/- 10%.

** Available with UL voltage only.

OSQ-C Series Ambient Adjusted Lumen Maintenance¹

Ambient	Initial LMF	25K hr Reported ² LMF	50K hr Reported ² LMF	75K hr Reported ² LMF	100K hr Reported ² LMF
5°C (41°F)	1.02	0.99	0.93	0.88	0.83
10°C (50°F)	1.02	0.98	0.93	0.87	0.82
15°C (59°F)	1.01	0.98	0.92	0.87	0.82
20°C (68°F)	1.01	0.97	0.92	0.86	0.81
25°C (77°F)	1.00	0.97	0.91	0.86	0.81

¹ Lumen maintenance values at 25°C (77°F) are calculated per IES TM-21 based on IES LM-80 report data for the LED package and in-situ luminaire testing. Luminaire ambient temperature factors (LATF) have been applied to all lumen maintenance factors. Please refer to the [Temperature Zone Reference Document](#) for outdoor average nighttime ambient conditions.

² In accordance with IES TM-21, Reported values represent interpolated values based on time durations that are up to 6x the tested duration in the IES LM-80 report for the LED.

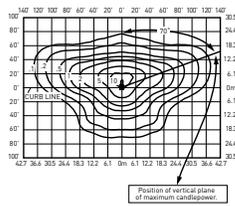
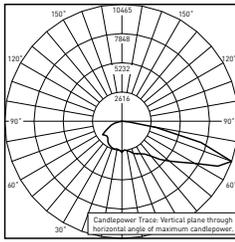
Accessories

Field-Installed	
Backlight Shield OSQ-M-C-BLSF (Medium) OSQ-L-C-BLSF (Large) OSQ-X-C-BLSF (Extra Large) - Not for use with rotated optics	Shorting Cap XA-XSLSHRT
Bird Spikes OSQ-M-C-BRDSPK OSQ-L-C-BRDSPK OSQ-X-C-BRDSPK	

Photometry

All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult: <https://creelighting.com/products/outdoor/area/osq-series>

2M



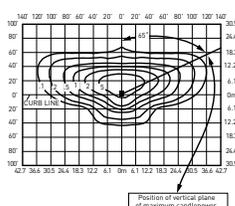
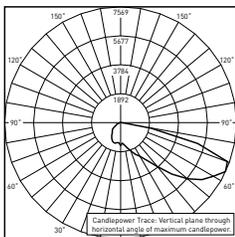
PRELIMINARY RESTL Test Report
OSQ Luminaire w/2M Optic
Initial Delivered Lumens: 15,560

OSQL-C-40L-40K7-2M-UL
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 38,000
Initial FC at grade

Type II Mid Distribution								
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	3,650	B1 U1 G1	3,800	B1 U1 G1	2,590	B1 U1 G1	3,800	B1 U1 G1
6L	5,475	B1 U1 G1	5,700	B1 U1 G1	3,880	B1 U1 G1	5,700	B1 U1 G1
9L	8,225	B2 U1 G2	8,550	B2 U1 G2	5,825	B1 U1 G1	8,550	B2 U1 G2
11L	10,025	B2 U1 G2	10,450	B2 U1 G2	7,100	B2 U1 G2	10,450	B2 U1 G2
16L	14,650	B3 U1 G3	15,200	B3 U1 G3	10,325	B2 U1 G2	15,200	B3 U1 G3
22L	20,100	B3 U1 G3	20,900	B3 U1 G3	14,200	B3 U1 G3	20,900	B3 U1 G3
30L	27,400	B3 U1 G3	28,500	B3 U1 G3	19,400	B3 U1 G3	28,500	B3 U1 G3
40L	36,500	B4 U1 G4	38,000	B4 U1 G4	25,900	B3 U1 G3	38,000	B4 U1 G4
50L	45,600	B4 U1 G5	47,500	B4 U1 G5	32,300	B3 U1 G4	47,500	B4 U1 G5
65L	59,300	B4 U1 G5	61,800	B4 U1 G5	42,000	B4 U1 G4	61,800	B4 U1 G5
75L	68,400	B5 U1 G5	71,300	B5 U1 G5	48,500	B4 U1 G5	71,300	B5 U1 G5

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

2B



PRELIMINARY RESTL Test Report
OSQ Luminaire w/2B Optic
Initial Delivered Lumens: 10,422

OSQL-C-40L-40K7-2B-UL
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 26,200
Initial FC at grade

Type II Mid w/BLS Distribution								
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	2,510	B1 U1 G1	2,620	B1 U1 G1	1,780	B0 U1 G1	2,620	B1 U1 G1
6L	3,760	B1 U1 G1	3,920	B1 U1 G1	2,670	B1 U1 G1	3,920	B1 U1 G1
9L	5,650	B1 U1 G1	5,875	B1 U1 G1	4,000	B1 U1 G1	5,875	B1 U1 G1
11L	6,900	B1 U1 G2	7,200	B1 U1 G2	4,890	B1 U1 G1	7,200	B1 U1 G2
16L	10,075	B2 U1 G2	10,450	B2 U1 G2	7,100	B1 U1 G2	10,450	B2 U1 G2
22L	13,800	B2 U1 G2	14,375	B2 U1 G2	9,775	B1 U1 G2	14,375	B2 U1 G2
30L	18,800	B2 U1 G3	19,600	B2 U1 G3	13,350	B2 U1 G2	19,600	B2 U1 G3
40L	25,100	B3 U1 G3	26,200	B3 U1 G3	17,800	B2 U1 G3	26,200	B3 U1 G3
50L	31,400	B3 U1 G4	32,700	B3 U1 G4	22,200	B3 U1 G3	32,700	B3 U1 G4
65L	40,800	B3 U1 G4	42,500	B3 U1 G4	28,900	B3 U1 G3	42,500	B3 U1 G4
75L	47,100	B3 U1 G4	49,000	B3 U1 G5	33,300	B3 U1 G4	49,000	B3 U1 G5

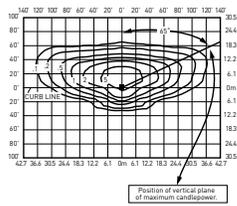
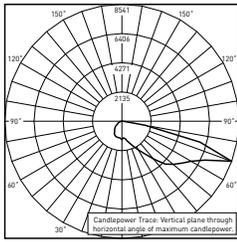
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

Photometry

All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult:

<https://creelighting.com/products/outdoor/area/osq-series>

2M W/OSQ-*-C-BLSF



PRELIMINARY RESTL Test Report
OSQ Luminaire w/2M Optic w/OSQ-M-C-BLSF
Initial Delivered Lumens: 9,579

OSQL-C-40L-40K7-2M-UL w/OSQ-L-C-BLSF
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 26,200
Initial FC at grade

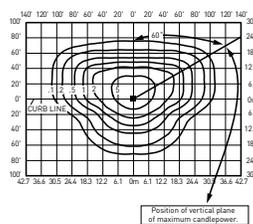
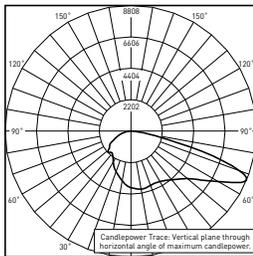
Type II Mid Distribution w/OSQ-*-C-BLSF

Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	2,510	B1 U1 G1	2,620	B1 U1 G1	1,780	B0 U1 G1	2,620	B1 U1 G1
6L	3,760	B1 U1 G1	3,920	B1 U1 G1	2,670	B1 U1 G1	3,920	B1 U1 G1
9L	5,650	B1 U1 G1	5,875	B1 U1 G1	4,000	B1 U1 G1	5,875	B1 U1 G1
11L	6,900	B1 U1 G2	7,200	B1 U1 G2	4,890	B1 U1 G2	7,200	B1 U1 G2
16L	10,075	B1 U1 G2	10,450	B1 U1 G2	7,100	B1 U1 G2	10,450	B1 U1 G2
22L	13,800	B2 U1 G2	14,375	B2 U1 G2	9,775	B1 U1 G2	14,375	B2 U1 G2
30L	18,800	B2 U1 G3	19,600	B2 U1 G3	13,350	B2 U1 G2	19,600	B2 U1 G3
40L	25,100	B3 U1 G3	26,200	B3 U1 G4	17,800	B2 U1 G3	26,200	B3 U1 G4
50L	31,400	B3 U1 G4	32,700	B3 U1 G4	22,200	B3 U1 G3	32,700	B3 U1 G4
65L	40,800	B3 U1 G4	42,500	B3 U1 G5	28,900	B3 U1 G4	42,500	B3 U1 G5
75L	47,100	B3 U1 G5	49,000	B3 U1 G5	33,300	B3 U1 G4	49,000	B3 U1 G5

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

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3M



RESTL Test Report #: PL17240-001A
OSQM-C-16L-57K7-3M-UL-NM-WH
Initial Delivered Lumens: 15,444

OSQL-C-40L-40K7-3M-UL
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 38,000
Initial FC at grade

Type III Mid Distribution

Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	3,650	B1 U0 G1	3,800	B1 U0 G1	2,590	B1 U0 G1	3,800	B1 U0 G1
6L	5,475	B1 U0 G1	5,700	B1 U0 G1	3,880	B1 U0 G1	5,700	B1 U0 G1
9L	8,225	B2 U0 G2	8,550	B2 U0 G2	5,825	B1 U0 G1	8,550	B2 U0 G2
11L	10,025	B2 U0 G2	10,450	B2 U0 G2	7,100	B2 U0 G2	10,450	B2 U0 G2
16L	14,650	B3 U0 G3	15,200	B3 U0 G3	10,325	B2 U0 G2	15,200	B3 U0 G3
22L	20,100	B3 U0 G3	20,900	B3 U0 G3	14,200	B3 U0 G3	20,900	B3 U0 G3
30L	27,400	B3 U0 G3	28,500	B3 U0 G3	19,400	B3 U0 G3	28,500	B3 U0 G3
40L	36,500	B4 U0 G4	38,000	B4 U0 G4	25,900	B3 U0 G3	38,000	B4 U0 G4
50L	45,600	B4 U0 G4	47,500	B4 U0 G4	32,300	B3 U0 G4	47,500	B4 U0 G4
65L	59,300	B5 U0 G5	61,800	B5 U0 G5	42,000	B4 U0 G4	61,800	B5 U0 G5
75L	68,400	B5 U0 G5	71,300	B5 U0 G5	48,500	B4 U0 G4	71,300	B5 U0 G5

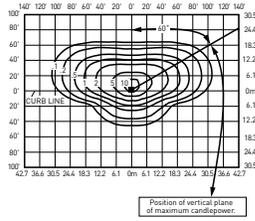
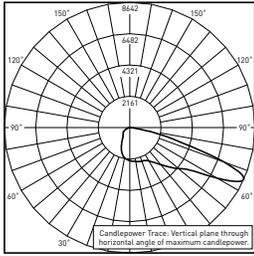
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

Photometry

All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult: <https://creelighting.com/products/outdoor/area/osq-series>

3B



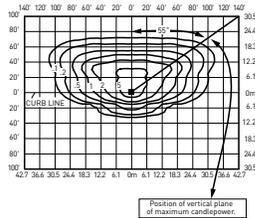
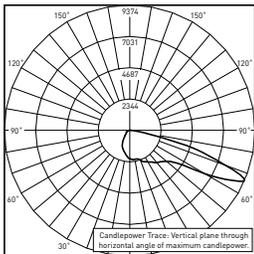
RESSL Test Report #: PL17366-001A
OSQM-C-16L-57K7-3B-UL-NM-WH
Initial Delivered Lumens: 10,081

OSQL-C-40L-40K7-3B-UL
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 26,200
Initial FC at grade

Type III Mid w/BLS Distribution								
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	2,510	B1 U0 G1	2,620	B1 U0 G1	1,780	B0 U0 G1	2,620	B1 U0 G1
6L	3,760	B1 U0 G1	3,920	B1 U0 G1	2,670	B1 U0 G1	3,920	B1 U0 G1
9L	5,650	B1 U0 G1	5,875	B1 U0 G1	4,000	B1 U0 G1	5,875	B1 U0 G1
11L	6,900	B1 U0 G2	7,200	B1 U0 G2	4,890	B1 U0 G1	7,200	B1 U0 G2
16L	10,075	B2 U0 G2	10,450	B2 U0 G2	7,100	B1 U0 G2	10,450	B2 U0 G2
22L	13,800	B2 U0 G2	14,375	B2 U0 G2	9,775	B2 U0 G2	14,375	B2 U0 G2
30L	18,800	B3 U0 G3	19,600	B3 U0 G3	13,350	B2 U0 G2	19,600	B3 U0 G3
40L	25,100	B3 U0 G3	26,200	B3 U0 G3	17,800	B3 U0 G3	26,200	B3 U0 G3
50L	31,400	B3 U0 G4	32,700	B3 U0 G4	22,200	B3 U0 G3	32,700	B3 U0 G4
65L	40,800	B3 U0 G4	42,500	B4 U0 G4	28,900	B3 U0 G4	42,500	B4 U0 G4
75L	47,100	B4 U0 G5	49,000	B4 U0 G5	33,300	B3 U0 G4	49,000	B4 U0 G5

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

3M W/OSQ-*-C-BLSF



RESSL Test Report#: PL17054-001A
OSQM-C-16L-57K7-3M-UL-NM-WH-R w/
OSQ-M-C-BLSF
Initial Delivered Lumens: 10,227

OSQL-C-40L-40K7-3M-UL w/OSQ-L-C-BLSF
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 26,200
Initial FC at grade

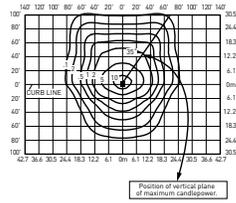
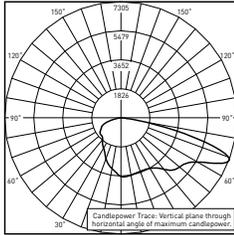
Type III Mid Distribution w/OSQ-*-C-BLSF								
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	2,510	B1 U1 G1	2,620	B1 U1 G1	1,780	B0 U1 G1	2,620	B1 U1 G1
6L	3,760	B1 U1 G1	3,920	B1 U1 G1	2,670	B1 U1 G1	3,920	B1 U1 G1
9L	5,650	B1 U1 G1	5,875	B1 U1 G1	4,000	B1 U1 G1	5,875	B1 U1 G2
11L	6,900	B1 U1 G2	7,200	B1 U1 G2	4,890	B1 U1 G1	7,200	B1 U1 G2
16L	10,075	B2 U1 G2	10,450	B2 U1 G2	7,100	B1 U1 G2	10,450	B2 U1 G2
22L	13,800	B2 U2 G2	14,375	B2 U2 G2	9,775	B2 U1 G2	14,375	B2 U2 G2
30L	18,800	B3 U2 G3	19,600	B3 U2 G3	13,350	B2 U2 G2	19,600	B3 U2 G3
40L	25,100	B3 U2 G4	26,200	B3 U2 G4	17,800	B3 U2 G3	26,200	B3 U2 G4
50L	31,400	B3 U2 G4	32,700	B3 U2 G4	22,200	B3 U2 G3	32,700	B3 U2 G4
65L	40,800	B3 U2 G5	42,500	B3 U2 G5	28,900	B3 U2 G4	42,500	B3 U2 G5
75L	47,100	B4 U2 G5	49,000	B4 U2 G5	33,300	B3 U2 G4	49,000	B4 U2 G5

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

Photometry

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4M



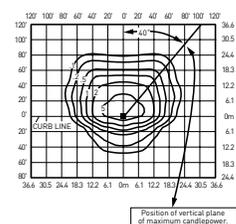
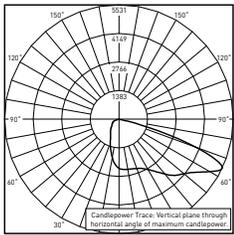
RESTL Test Report #: PL17299-001A
OSQM-C-16L-57K7-4M-UL-NM-WH
Initial Delivered Lumens: 15,584

OSQL-C-40L-40K7-4M-UL
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 38,000
Initial FC at grade

Type IV Mid Distribution								
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	3,650	B1 U0 G1	3,800	B1 U0 G1	2,590	B1 U0 G1	3,800	B1 U0 G1
6L	5,475	B1 U0 G1	5,700	B1 U0 G1	3,880	B1 U0 G1	5,700	B1 U0 G1
9L	8,225	B2 U0 G2	8,550	B2 U0 G2	5,825	B1 U0 G1	8,550	B2 U0 G2
11L	10,025	B2 U0 G2	10,450	B2 U0 G2	7,100	B2 U0 G1	10,450	B2 U0 G2
16L	14,650	B3 U0 G2	15,200	B3 U0 G2	10,325	B2 U0 G2	15,200	B3 U0 G2
22L	20,100	B3 U0 G3	20,900	B3 U0 G3	14,200	B3 U0 G2	20,900	B3 U0 G3
30L	27,400	B3 U0 G3	28,500	B3 U0 G3	19,400	B3 U0 G3	28,500	B3 U0 G3
40L	36,500	B4 U0 G4	38,000	B4 U0 G4	25,900	B3 U0 G3	38,000	B4 U0 G4
50L	45,600	B4 U0 G4	47,500	B4 U0 G4	32,300	B4 U0 G3	47,500	B4 U0 G4
65L	59,300	B5 U0 G5	61,800	B5 U0 G5	42,000	B4 U0 G4	61,800	B5 U0 G5
75L	68,400	B5 U0 G5	71,300	B5 U0 G5	48,500	B4 U0 G4	71,300	B5 U0 G5

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

4B



RESTL Test Report #: PL17367-001A
OSQM-C-16L-57K7-4B-UL-NM-WH
Initial Delivered Lumens: 9,812

OSQL-C-40L-40K7-4B-UL
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 24,000
Initial FC at grade

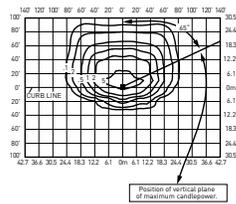
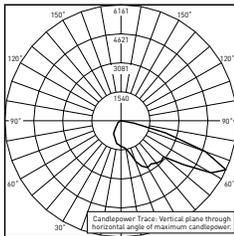
Type IV Mid w/BLS Distribution								
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	2,300	B1 U0 G0	2,400	B1 U0 G0	1,630	B0 U0 G0	2,400	B1 U0 G0
6L	3,440	B1 U0 G1	3,590	B1 U0 G1	2,440	B1 U0 G0	3,590	B1 U0 G1
9L	5,175	B1 U0 G1	5,400	B1 U0 G1	3,670	B1 U0 G1	5,400	B1 U0 G1
11L	6,325	B1 U0 G1	6,600	B1 U0 G1	4,480	B1 U0 G1	6,600	B1 U0 G1
16L	9,225	B2 U0 G2	9,575	B2 U0 G2	6,525	B1 U0 G1	9,575	B2 U0 G2
22L	12,625	B2 U0 G2	13,175	B2 U0 G2	8,950	B2 U0 G2	13,175	B2 U0 G2
30L	17,200	B3 U0 G2	18,000	B3 U0 G2	12,225	B2 U0 G2	18,000	B3 U0 G2
40L	23,000	B3 U0 G3	24,000	B3 U0 G3	16,300	B3 U0 G2	24,000	B3 U0 G3
50L	28,700	B3 U0 G3	29,900	B3 U0 G3	20,400	B3 U0 G2	29,900	B3 U0 G3
65L	37,400	B3 U0 G4	38,900	B3 U0 G4	26,500	B3 U0 G3	38,900	B3 U0 G4
75L	43,100	B4 U0 G4	44,900	B4 U0 G4	30,500	B3 U0 G3	44,900	B4 U0 G4

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

Photometry

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4M W/OSQ*-C-BLSF



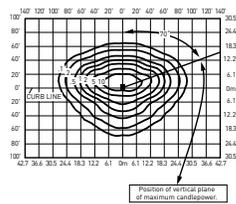
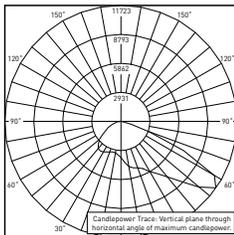
PRELIMINARY RESTL Test Report
OSQ Luminaire w/4M Optic w/OSQ-M-C-BLSF
Initial Delivered Lumens: 9,345

OSQL-C-40L-40K7-4M-UL w/OSQ-L-C-BLSF
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 24,000
Initial FC at grade

Type IV Mid Distribution w/OSQ*-C-BLSF								
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	2,300	B0 U1 G1	2,400	B1 U1 G1	1,630	B0 U1 G1	2,400	B1 U1 G1
6L	3,440	B1 U1 G1	3,590	B1 U1 G1	2,440	B1 U1 G1	3,590	B1 U1 G1
9L	5,175	B1 U1 G1	5,400	B1 U1 G1	3,670	B1 U1 G1	5,400	B1 U1 G1
11L	6,325	B1 U1 G2	6,600	B1 U1 G2	4,480	B1 U1 G1	6,600	B1 U1 G2
16L	9,225	B1 U1 G2	9,575	B1 U1 G2	6,525	B1 U1 G2	9,575	B1 U1 G2
22L	12,625	B2 U1 G2	13,175	B2 U1 G2	8,950	B1 U1 G2	13,175	B2 U1 G2
30L	17,200	B2 U1 G3	18,000	B2 U1 G3	12,225	B2 U1 G2	18,000	B2 U1 G3
40L	23,000	B3 U1 G3	24,000	B3 U1 G3	16,300	B2 U1 G2	24,000	B3 U1 G3
50L	28,700	B3 U1 G4	29,900	B3 U1 G4	20,400	B2 U1 G3	29,900	B3 U1 G4
65L	37,400	B3 U1 G4	38,900	B3 U1 G4	26,500	B3 U1 G4	38,900	B3 U1 G4
75L	43,100	B3 U1 G5	44,900	B3 U1 G5	30,500	B3 U1 G4	44,900	B3 U1 G5

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

AF



PRELIMINARY RESTL Test Report
OSQ Luminaire w/AF Optic
Initial Delivered Lumens: 15,866

OSQL-C-40L-40K7-AF-UL
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 38,000
Initial FC at grade

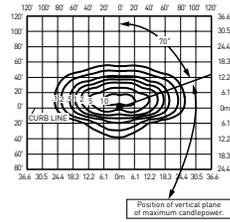
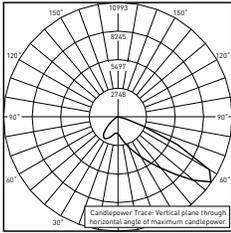
Automotive FrontLineOptic™ Distribution								
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	3,650	B1 U1 G1	3,800	B1 U1 G1	2,590	B1 U1 G1	3,800	B1 U1 G1
6L	5,475	B1 U1 G1	5,700	B1 U1 G1	3,880	B1 U1 G1	5,700	B1 U1 G1
9L	8,225	B2 U1 G1	8,550	B2 U1 G1	5,825	B1 U1 G1	8,550	B2 U1 G1
11L	10,025	B2 U1 G2	10,450	B2 U1 G2	7,100	B2 U1 G1	10,450	B2 U1 G2
16L	14,650	B3 U1 G2	15,200	B3 U1 G2	10,325	B2 U1 G2	15,200	B3 U1 G2
22L	20,100	B3 U1 G3	20,900	B3 U1 G3	14,200	B2 U1 G2	20,900	B3 U1 G3
30L	27,400	B3 U1 G3	28,500	B3 U1 G3	19,400	B3 U1 G3	28,500	B3 U1 G3
40L	36,500	B4 U1 G3	38,000	B4 U1 G3	25,900	B3 U1 G3	38,000	B4 U1 G3
50L	45,600	B4 U1 G4	47,500	B4 U1 G4	32,300	B3 U1 G3	47,500	B4 U1 G4
65L	59,300	B5 U1 G4	61,800	B5 U1 G4	42,000	B4 U1 G3	61,800	B5 U1 G4
75L	68,400	B5 U1 G4	71,300	B5 U1 G4	48,500	B4 U1 G4	71,300	B5 U1 G4

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

Photometry

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AB



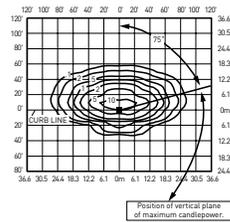
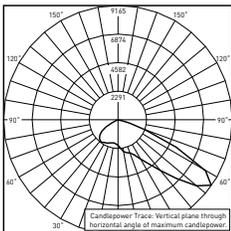
PRELIMINARY RESTL Test Report
OSQ Luminaire w/AB Optic
Initial Delivered Lumens: 11,393

OSQ-L-C-40L-40K7-AB-UL
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 26,200
Initial FC at grade

Automotive FrontLineOptic™ w/BLS Distribution								
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	2,510	B1 U1 G0	2,620	B1 U1 G0	1,780	B0 U1 G0	2,620	B1 U1 G0
6L	3,760	B1 U1 G0	3,920	B1 U1 G1	2,670	B1 U1 G0	3,920	B1 U1 G1
9L	5,650	B1 U1 G1	5,875	B1 U1 G1	4,000	B1 U1 G1	5,875	B1 U1 G1
11L	6,900	B1 U1 G1	7,200	B1 U1 G1	4,890	B1 U1 G1	7,200	B1 U1 G1
16L	10,075	B2 U1 G1	10,450	B2 U1 G1	7,100	B1 U1 G1	10,450	B2 U1 G1
22L	13,800	B2 U1 G2	14,375	B2 U1 G2	9,775	B2 U1 G1	14,375	B2 U1 G2
30L	18,800	B2 U1 G2	19,600	B2 U1 G2	13,350	B2 U1 G2	19,600	B2 U1 G2
40L	25,100	B3 U1 G2	26,200	B3 U1 G2	17,800	B2 U1 G2	26,200	B3 U1 G2
50L	31,400	B3 U1 G2	32,700	B3 U1 G2	22,200	B3 U1 G2	32,700	B3 U1 G2
65L	40,800	B3 U1 G3	42,500	B3 U1 G3	28,900	B3 U1 G2	42,500	B3 U1 G3
75L	47,100	B3 U1 G3	49,000	B4 U1 G3	33,300	B3 U1 G2	49,000	B4 U1 G3

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

AF W/OSQ*-C-BLSF



PRELIMINARY RESTL Test Report
OSQ Luminaire w/AF Optic w/OSQ-M-C-BLSF
Initial Delivered Lumens: 9,783

OSQ-L-C-40L-40K7-AF-UL w/OSQ-L-C-BLSF
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 26,200
Initial FC at grade

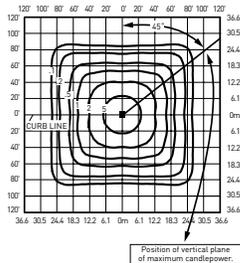
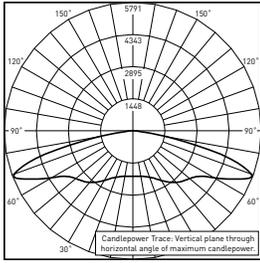
Automotive FrontLineOptic™ w/OSQ*-C-BLSF								
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	2,510	B1 U1 G0	2,620	B1 U1 G0	1,780	B0 U1 G0	2,620	B1 U1 G0
6L	3,760	B1 U1 G0	3,920	B1 U1 G1	2,670	B1 U1 G0	3,920	B1 U1 G1
9L	5,650	B1 U1 G1	5,875	B1 U1 G1	4,000	B1 U1 G1	5,875	B1 U1 G1
11L	6,900	B1 U1 G1	7,200	B1 U1 G1	4,890	B1 U1 G1	7,200	B1 U1 G1
16L	10,075	B2 U1 G1	10,450	B2 U1 G1	7,100	B1 U1 G1	10,450	B2 U1 G1
22L	13,800	B2 U1 G2	14,375	B2 U1 G2	9,775	B2 U1 G1	14,375	B2 U1 G2
30L	18,800	B3 U1 G2	19,600	B3 U1 G2	13,350	B2 U1 G2	19,600	B3 U1 G2
40L	25,100	B3 U1 G2	26,200	B3 U1 G2	17,800	B2 U1 G2	26,200	B3 U1 G2
50L	31,400	B3 U1 G2	32,700	B3 U1 G2	22,200	B3 U1 G2	32,700	B3 U1 G2
65L	40,800	B3 U1 G3	42,500	B3 U1 G3	28,900	B3 U1 G2	42,500	B3 U1 G3
75L	47,100	B4 U1 G3	49,000	B4 U1 G3	33,300	B3 U1 G2	49,000	B4 U1 G3

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

Photometry

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5M



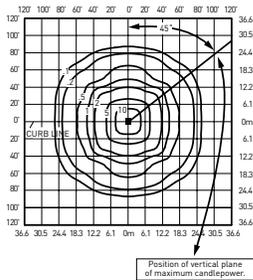
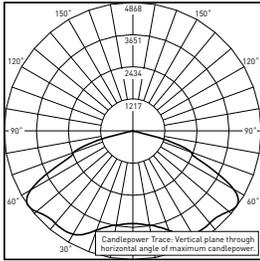
RESTL Test Report #: PL17290-002A
OSQM-C-16L-57K7-5M-UL-NM-WH
Initial Delivered Lumens: 15,567

OSQL-C-40L-40K7-5M-UL
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 40,000
Initial FC at grade

Type V Mid Distribution								
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	3,840	B2 U0 G1	4,000	B2 U0 G1	2,720	B2 U0 G1	4,000	B2 U0 G1
6L	5,750	B3 U0 G1	6,000	B3 U0 G1	4,080	B2 U0 G1	6,000	B3 U0 G1
9L	8,650	B3 U0 G1	9,000	B3 U0 G1	6,125	B3 U0 G1	9,000	B3 U0 G1
11L	10,550	B3 U0 G2	11,000	B3 U0 G2	7,475	B3 U0 G1	11,000	B3 U0 G2
16L	15,400	B4 U0 G2	16,000	B4 U0 G2	10,875	B3 U0 G2	16,000	B4 U0 G2
22L	21,100	B4 U0 G2	22,000	B4 U0 G2	14,950	B4 U0 G2	22,000	B4 U0 G2
30L	28,800	B5 U0 G3	30,000	B5 U0 G3	20,400	B4 U0 G2	30,000	B5 U0 G3
40L	38,400	B5 U0 G3	40,000	B5 U0 G4	27,200	B5 U0 G3	40,000	B5 U0 G4
50L	48,000	B5 U0 G4	50,000	B5 U0 G4	34,000	B5 U0 G3	50,000	B5 U0 G4
65L	62,400	B5 U0 G5	65,000	B5 U0 G5	44,200	B5 U0 G4	65,000	B5 U0 G5
75L	72,000	B5 U0 G5	75,000	B5 U0 G5	51,000	B5 U0 G4	75,000	B5 U0 G5

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

5N



RESTL Test Report #: PL17333-002A
OSQM-C-16L-57K7-5N-UL-NM-WH
Initial Delivered Lumens: 16,299

OSQL-C-40L-40K7-5N-UL
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 40,000
Initial FC at grade

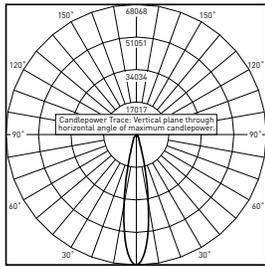
Type V Narrow Distribution								
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	3,840	B2 U0 G0	4,000	B2 U0 G0	2,720	B1 U0 G0	4,000	B2 U0 G0
6L	5,750	B2 U0 G0	6,000	B2 U0 G1	4,080	B2 U0 G0	6,000	B2 U0 G1
9L	8,650	B2 U0 G1	9,000	B3 U0 G1	6,125	B2 U0 G1	9,000	B3 U0 G1
11L	10,550	B3 U0 G1	11,000	B3 U0 G1	7,475	B2 U0 G1	11,000	B3 U0 G1
16L	15,400	B3 U0 G1	16,000	B3 U0 G2	10,875	B3 U0 G1	16,000	B3 U0 G2
22L	21,100	B4 U0 G2	22,000	B4 U0 G2	14,950	B3 U0 G1	22,000	B4 U0 G2
30L	28,800	B4 U0 G2	30,000	B5 U0 G2	20,400	B4 U0 G2	30,000	B5 U0 G2
40L	38,400	B5 U0 G2	40,000	B5 U0 G2	27,200	B4 U0 G2	40,000	B5 U0 G2
50L	48,000	B5 U0 G3	50,000	B5 U0 G3	34,000	B5 U0 G2	50,000	B5 U0 G3
65L	62,400	B5 U0 G3	65,000	B5 U0 G3	44,200	B5 U0 G2	65,000	B5 U0 G3
75L	72,000	B5 U0 G4	75,000	B5 U0 G4	51,000	B5 U0 G3	75,000	B5 U0 G4

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

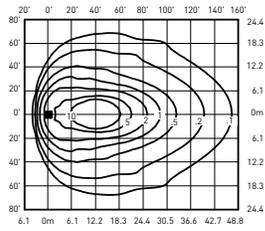
Photometry

All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult: <https://creelighting.com/products/outdoor/area/osq-series>

33



RESTL Test Report #: PL17338-001A
OSQM-C-16L-57K7-33-UL-NM-WH
Initial Delivered Lumens: 16,127

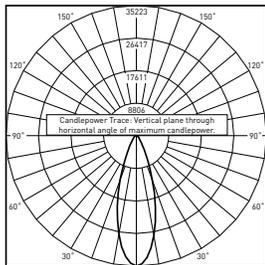


OSQL-C-40L-40K7-33-UL
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt
Initial Delivered Lumens: 40,000
Initial FC at grade

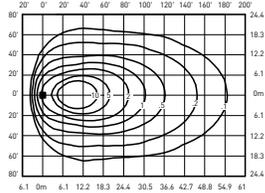
NEMA® 3x3 Distribution				
Lumen Package	3000K (70 CRI)	4000K (70 CRI)	5000K (90CRI)	5700K (70 CRI)
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
4L	3,840	4,000	2,720	4,000
6L	5,750	6,000	4,080	6,000
9L	8,650	9,000	6,125	9,000
11L	10,550	11,000	7,475	11,000
16L	15,400	16,000	10,875	16,000
22L	21,100	22,000	14,950	22,000
30L	28,800	30,000	20,400	30,000
40L	38,400	40,000	27,200	40,000
50L	48,000	50,000	34,000	50,000
65L	62,400	65,000	44,200	65,000
75L	72,000	75,000	51,000	75,000

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

44



PRELIMINARY RESTL Test Report
OSQ Luminaire w/44 Optic
Initial Delivered Lumens: 16,001



OSQL-C-40L-40K7-44-UL
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt
Initial Delivered Lumens: 40,000
Initial FC at grade

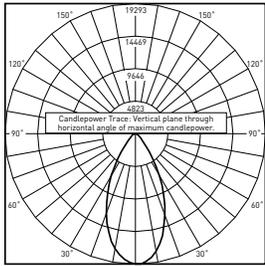
NEMA® 4x4 Distribution				
Lumen Package	3000K (70 CRI)	4000K (70 CRI)	5000K (90CRI)	5700K (70 CRI)
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
4L	3,840	4,000	2,720	4,000
6L	5,750	6,000	4,080	6,000
9L	8,650	9,000	6,125	9,000
11L	10,550	11,000	7,475	11,000
16L	15,400	16,000	10,875	16,000
22L	21,100	22,000	14,950	22,000
30L	28,800	30,000	20,400	30,000
40L	38,400	40,000	27,200	40,000
50L	48,000	50,000	34,000	50,000
65L	62,400	65,000	44,200	65,000
75L	72,000	75,000	51,000	75,000

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

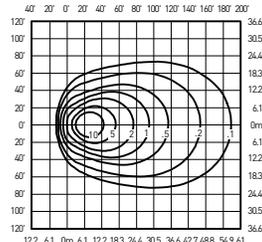
Photometry

All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult: <https://creelighting.com/products/outdoor/area/osq-series>

55



PRELIMINARY RESTL Test Report
OSQ Luminaire w/55 Optic
Initial Delivered Lumens: 15,967

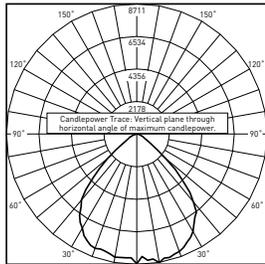


OSQ-L-C-40L-40K7-55-UL
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt
Initial Delivered Lumens: 40,000
Initial FC at grade

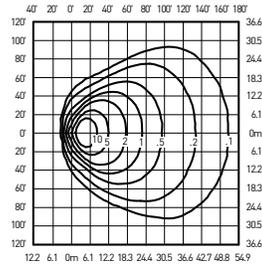
NEMA® 5x5 Distribution				
Lumen Package	3000K (70 CRI)	4000K (70 CRI)	5000K (90CRI)	5700K (70 CRI)
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
4L	3,840	4,000	2,720	4,000
6L	5,750	6,000	4,080	6,000
9L	8,650	9,000	6,125	9,000
11L	10,550	11,000	7,475	11,000
16L	15,400	16,000	10,875	16,000
22L	21,100	22,000	14,950	22,000
30L	28,800	30,000	20,400	30,000
40L	38,400	40,000	27,200	40,000
50L	48,000	50,000	34,000	50,000
65L	62,400	65,000	44,200	65,000
75L	72,000	75,000	51,000	75,000

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

66



PRELIMINARY RESTL Test Report
OSQ Luminaire w/66 Optic
Initial Delivered Lumens: 15,952



OSQ-L-C-40L-40K7-66-UL
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt
Initial Delivered Lumens: 40,000
Initial FC at grade

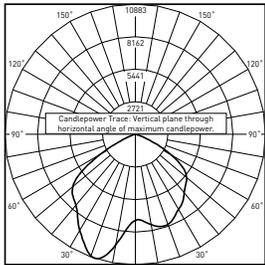
NEMA® 6x6 Distribution				
Lumen Package	3000K (70 CRI)	4000K (70 CRI)	5000K (90CRI)	5700K (70 CRI)
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
4L	3,840	4,000	2,720	4,000
6L	5,750	6,000	4,080	6,000
9L	8,650	9,000	6,125	9,000
11L	10,550	11,000	7,475	11,000
16L	15,400	16,000	10,875	16,000
22L	21,100	22,000	14,950	22,000
30L	28,800	30,000	20,400	30,000
40L	38,400	40,000	27,200	40,000
50L	48,000	50,000	34,000	50,000
65L	62,400	65,000	44,200	65,000
75L	72,000	75,000	51,000	75,000

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

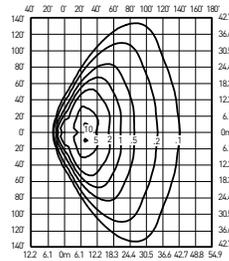
Photometry

All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult: <https://creelighting.com/products/outdoor/area/osq-series>

75



RESTL Test Report #: PL17352-001A
OSQM-C-16L-57K7-75-UL-NM-WH
Initial Delivered Lumens: 16,120



OSQL-C-40L-40K7-75-UL
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt
Initial Delivered Lumens: 40,000
Initial FC at grade

NEMA® 7x5 Distribution				
Lumen Package	3000K (70 CRI)	4000K (70 CRI)	5000K (90CRI)	5700K (70 CRI)
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
4L	3,840	4,000	2,720	4,000
6L	5,750	6,000	4,080	6,000
9L	8,650	9,000	6,125	9,000
11L	10,550	11,000	7,475	11,000
16L	15,400	16,000	10,875	16,000
22L	21,100	22,000	14,950	22,000
30L	28,800	30,000	20,400	30,000
40L	38,400	40,000	27,200	40,000
50L	48,000	50,000	34,000	50,000
65L	62,400	65,000	44,200	65,000
75L	72,000	75,000	51,000	75,000

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

Luminaire EPA

Adjustable Arm Mount – OSQ-ML-C-AA Weight: Medium - 19.3 lbs. [8.8kg]; Large - 28.4 lbs. [12.9kg]; OSQ-X-C-DA Weight: Extra Large - 48.6 lbs. [22kg]								
	Single	2 @ 180°	2 @ 90°	3 @ 90°	3 @ 120°	3 @ 180°	4 @ 180°	4 @ 90°
Luminaire	Tenon Configuration [0° - 90° Tilt]; If used with Cree Lighting tenons, please add tenon EPA with Luminaire EPA							
	PB-1A*; PT-1*; PW-1A3**	PB-2A*; PB-2R2.375; PD-2A4(180)*; PT-2(180)*; PW-2A3**	PB-2A*; PB-2R2.375; PD-2A4(90)*; PT-2(90)*; PW-2A3**	PB-3A*; PB-3R2.375; PD-3A4(90)*; PT-3(90)*	PB-3A*; PB-3R2.375; PT-3(120)*	PB-3A*; PB-3R2.375	PB-4A*(180); PB-4R2.375	PB-4A*(90); PB-4R2.375; PD-4A4(90)*; PT-4(90)*
	0° Tilt							
OSQM	0.69	1.38	1.11	1.80	2.01	1.38	1.73	2.22
OSQL	0.78	1.55	1.30	2.07	2.33	1.55	1.94	2.60
OSQX	0.98	1.95	1.65	2.63	2.97	1.95	2.44	3.31
	45° Tilt							
OSQM	1.41	2.81	2.10	3.50	4.23	4.22	5.63	4.19
OSQL	2.62	5.23	3.39	6.01	6.91	7.85	10.46	6.79
OSQX	4.35	8.70	5.33	9.68	9.65	13.05	17.40	10.66
	90° Tilt***							
OSQM	1.89	3.79	2.58	4.48	5.56	5.68	7.57	5.17
OSQL	3.52	7.03	4.29	7.81	9.14	10.55	14.07	8.59
OSQX	5.84	11.68	6.82	12.66	12.78	17.52	23.36	13.63

* Specify pole size: 3 [3"], 4 [4"], 5 [5"], or 6 [6"] for single, double or triple luminaire orientation or 4 [4"], 5 [5"], or 6 [6"] for quad luminaire orientation
 ** These EPA values must be multiplied by the following ratio: Fixture Mounting Height/Total Pole Height. Specify pole size: 3 [3"], 4 [4"], 5 [5"], or 6 [6"]
 *** PD-2A4(90), PT-2(90), PD-3A4(90), PT-3(90), PD-4A4(90), PT-4(90) are not compatible with 90 degree tilt
 + PT & PD aluminum tenons are not suitable for use with OSQX luminaires.

Tenon EPA

Part Number	EPA
PB-1A*	None
PB-2A*	0.82
PB-3A*	1.52
PB-4A*(180)	2.22
PB-4A*(90)	1.11
PB-2R2.375	0.92
PB-3R2.375	1.62
PB-4R2.375	2.32
PD Series Tenons	0.09
PT Series Tenons	0.10
PW-1A3**	0.47
PW-2A3**	0.94
WM-2	0.08
WM-4	0.25
WM-DM	None

* Specify pole size: 3 [3"], 4 [4"], 5 [5"], or 6 [6"] for single, double or triple luminaire orientation or 4 [4"], 5 [5"], or 6 [6"] for quad luminaire orientation
 ** These EPA values must be multiplied by the following ratio: Fixture Mounting Height/Total Pole Height. Specify pole size: 3 [3"], 4 [4"], 5 [5"], or 6 [6"]

Tenons and Brackets [†] (must specify color)	
<p>Square Internal Mount Vertical Tenons (Steel) - Mounts to 3-6" (76-152mm) square aluminum or steel poles</p> <p>PB-1A* – Single PB-2A* – 180° Twin PB-3A* – 180° Triple</p> <p>PB-4A*(90) – 90° Quad PB-4A*(180) – 180° Quad</p>	<p>Round External Mount Vertical Tenons (Steel) - Mounts to 2.375" (60mm) O.D. round aluminum or steel poles or tenons</p> <p>PB-2R2.375 – Twin PB-3R2.375 – Triple PB-4R2.375 – Quad</p>
<p>Square Internal Mount Horizontal Tenons (Aluminum) - Mounts to 4" (102mm) square aluminum or steel poles - Not for use with OSQX luminaires</p> <p>PD-2A4(90) – 90° Twin PD-2A4(180) – 180° Twin PD-3A4(90) – 90° Triple PD-4A4(90) – 90° Quad</p>	<p>Round External Mount Horizontal Tenons (Aluminum) - Mounts to 2.375" (60mm) O.D. round aluminum or steel poles or tenons - Mounts to square pole with PB-1A* tenon - Not for use with OSQX luminaires</p> <p>PT-1 – Single (Vertical) PT-2(90) – 90° Twin PT-2(180) – 180° Twin PT-3(90) – 90° Triple PT-3(120) – 120° Triple PT-4(90) – 90° Quad</p>
<p>Wall Mount Brackets - Mounts to wall or roof</p> <p>WM-2 – Horizontal for OSQ-ML-C-AA or OSQ-X-C-AA mounts WM-4 – L-Shape for OSQ-ML-C-AA or OSQ-X-C-AA mounts WM-DM – Plate for OSQ-ML-C-DA or OSQ-X-C-DA mounts</p>	<p>Mid-Pole Bracket - Mounts to square pole</p> <p>PW-1A3** – Single PW-2A3** – Double</p>
	<p>Ground Mount Post - For ground-mounted flood luminaires</p> <p>PGM-1 - for OSQ-ML-C-AA or OSQ-X-C-AA mounts</p>

[†] Refer to the [Bracket and Tenons spec sheet](#) for more details

Luminaire EPA

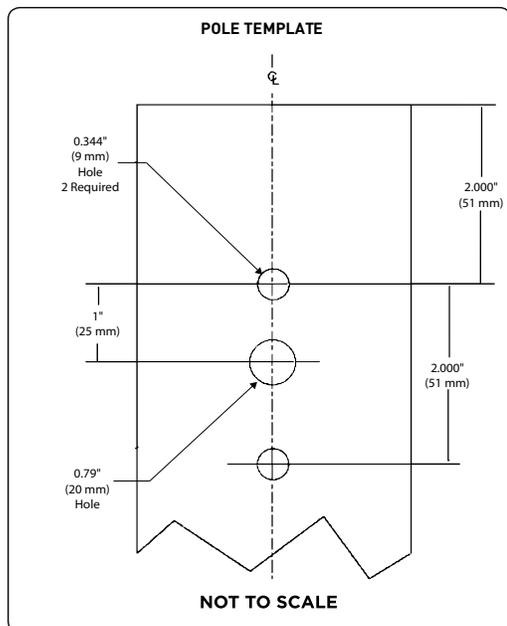
Direct Arm Mount – OSQ-ML-C-DA Weight: Medium - 19.7 lbs. (8.9kg); Large - 28.8 lbs. (13.1kg); OSQ-X-C-DA Weight: Extra Large - 45.8 lbs. (20.8kg)						
Luminaire	Single	2 @ 180°	2 @ 90°	3 @ 90°	3 @ 120°	4 @ 90°
OSQM	0.63	1.26	0.98	1.61	1.79	1.97
OSQL	0.72	1.45	1.24	1.97	2.23	2.49
OSQX	0.91	1.83	1.52	2.43	2.74	3.04

Direct Mount Configurations

Compatibility with Direct Mount Brackets					
Size	2 @ 90°	2 @ 180°	3 @ 90°	3 @ 120°	4 @ 90°
3" Square					
Medium/Large	✓	✓	✓	N/A	✓
Extra Large	N/A	✓	N/A	N/A	N/A
3" Round					
Medium/Large	N/A	✓	N/A	✓	N/A
Extra Large	N/A	N/A	N/A	N/A	N/A
4" Square					
Medium/Large	✓	✓	✓	N/A	✓
Extra Large	✓	✓	✓	N/A	✓
4" Round					
Medium/Large	✓	✓	✓	✓	✓
Extra Large	✓	✓	✓	✓	✓
5" Square					
Medium/Large	✓	✓	✓	N/A	✓
Extra Large	✓	✓	✓	N/A	✓
5" Round					
Medium/Large	✓	✓	✓	✓	✓
Extra Large	✓	✓	✓	✓	✓
6" + Square					
Medium/Large	✓	✓	✓	N/A	✓
Extra Large	✓	✓	✓	N/A	✓
6" + Round					
Medium/Large	✓	✓	✓	✓	✓
Extra Large	✓	✓	✓	✓	✓

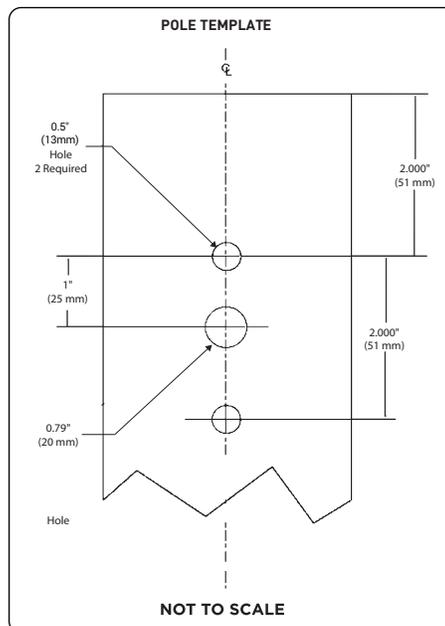
Fixture Mounting Drill Pattern for OSQ-ML-C-DA Mount

Note: When using with Cree Lighting poles, order the BLANK Fixture Mounting Drill Pattern.



Fixture Mounting Drill Pattern for OSQ-X-C-DA

Note: When using with Cree Lighting poles, order the Q Fixture Mounting Drill Pattern.



Luminaire EPA

Trunnion Mount – OSQ-ML-C-TM Weight:	
Medium - 23.2 lbs. (10.5kg); Large - 32.3 lbs. (14.7kg)	
Medium	Large
0° Tilt	
0.69	0.78
45° Tilt	
1.41	2.62
90° Tilt	
1.89	3.52

Field Adjustable Output (Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:

The Field Adjustable Output option enables the OSQ area luminaires to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected Q setting and will be fully adjustable between the nine settings. When ordered with the N option, the luminaire will include an ANSI C136.15-2020 utility label that indicates the wattage (rounded to nearest 10W), the lumen output (rounded to nearest 1000 lumens), and the CCT of the luminaire at the selected lumen output. Additional dimming functionality is available when a dimming control (by others) is used in the 7-Pin receptacle.

Locked Lumen Output (X8/X7/X6/X5/X4/X3/X2/X1) Option Description:

The Locked Lumen Output option on this page permanently locks the lumen output on the OSQ area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected and will only be able to be adjusted down in the field through a dimming control (by others). When ordered with the N option, the luminaire will include a utility label that indicates the wattage, lumen output, and CCT of the setting selected.

Q & X Option Power & Lumen Data – 4L Lumen Package

Q/X Option Setting	CCT/CRI	System Watts 120-277V	Lumen Values				Utility Label Wattage	Utility Label Lumens			
			Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS		Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS
Q9 (Full Power)	30K (70 CRI)	26	3,650	3,840	2,510	2,300	30	4000 L	4000 L	3000 L	2000 L
	40K (70 CRI)		3,800	4,000	2,620	2,400		4000 L	4000 L	3000 L	2000 L
	50K (90 CRI)		2,590	2,720	1,780	1,630		3000 L	3000 L	2000 L	2000 L
	57K (70 CRI)		3,800	4,000	2,620	2,400		4000 L	4000 L	3000 L	2000 L
Q8/X8	30K (70 CRI)	24	3,480	3,660	2,390	2,190	20	3000 L	4000 L	2000 L	2000 L
	40K (70 CRI)		3,630	3,820	2,500	2,290		4000 L	4000 L	3000 L	2000 L
	50K (90 CRI)		2,460	2,590	1,690	1,550		2000 L	3000 L	2000 L	2000 L
	57K (70 CRI)		3,630	3,820	2,500	2,290		4000 L	4000 L	3000 L	2000 L
Q7/X7	30K (70 CRI)	23	3,340	3,510	2,300	2,100	20	3000 L	4000 L	2000 L	2000 L
	40K (70 CRI)		3,480	3,660	2,390	2,190		3000 L	4000 L	2000 L	2000 L
	50K (90 CRI)		2,370	2,490	1,630	1,490		2000 L	2000 L	2000 L	1000 L
	57K (70 CRI)		3,480	3,660	2,390	2,190		3000 L	4000 L	2000 L	2000 L
Q6/X6	30K (70 CRI)	22	3,220	3,390	2,220	2,030	20	3000 L	3000 L	2000 L	2000 L
	40K (70 CRI)		3,360	3,540	2,310	2,120		3000 L	4000 L	2000 L	2000 L
	50K (90 CRI)		2,280	2,400	1,570	1,440		2000 L	2000 L	2000 L	1000 L
	57K (70 CRI)		3,360	3,540	2,310	2,120		3000 L	4000 L	2000 L	2000 L
Q5/X5	30K (70 CRI)	20	2,950	3,100	2,030	1,860	20	3000 L	3000 L	2000 L	2000 L
	40K (70 CRI)		3,070	3,230	2,110	1,930		3000 L	3000 L	2000 L	2000 L
	50K (90 CRI)		2,090	2,200	1,440	1,320		2000 L	2000 L	1000 L	1000 L
	57K (70 CRI)		3,070	3,230	2,110	1,930		3000 L	3000 L	2000 L	2000 L
Q4/X4	30K (70 CRI)	18	2,680	2,820	1,840	1,690	20	3000 L	3000 L	2000 L	2000 L
	40K (70 CRI)		2,790	2,940	1,920	1,760		3000 L	3000 L	2000 L	2000 L
	50K (90 CRI)		1,900	2,000	1,310	1,200		2000 L	2000 L	1000 L	1000 L
	57K (70 CRI)		2,790	2,940	1,920	1,760		3000 L	3000 L	2000 L	2000 L
Q3/X3	30K (70 CRI)	16	2,470	2,600	1,700	1,560	20	2000 L	3000 L	2000 L	2000 L
	40K (70 CRI)		2,580	2,710	1,770	1,620		3000 L	3000 L	2000 L	2000 L
	50K (90 CRI)		1,750	1,840	1,200	1,100		2000 L	2000 L	1000 L	1000 L
	57K (70 CRI)		2,580	2,710	1,770	1,620		3000 L	3000 L	2000 L	2000 L
Q2/X2	30K (70 CRI)	15	2,220	2,340	1,530	1,400	20	2000 L	2000 L	2000 L	1000 L
	40K (70 CRI)		2,320	2,440	1,600	1,460		2000 L	2000 L	2000 L	1000 L
	50K (90 CRI)		1,580	1,660	1,090	990		2000 L	2000 L	1000 L	1000 L
	57K (70 CRI)		2,320	2,440	1,600	1,460		2000 L	2000 L	2000 L	1000 L
Q1/X1	30K (70 CRI)	13	1,970	2,070	1,350	1,240	10	2000 L	2000 L	1000 L	1000 L
	40K (70 CRI)		2,050	2,160	1,410	1,290		2000 L	2000 L	1000 L	1000 L
	50K (90 CRI)		1,400	1,470	960	880		1000 L	1000 L	1000 L	1000 L
	57K (70 CRI)		2,050	2,160	1,410	1,290		2000 L	2000 L	1000 L	1000 L

Field Adjustable Output (Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:

The Field Adjustable Output option enables the OSQ area luminaires to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected Q setting and will be fully adjustable between the nine settings. When ordered with the N option, the luminaire will include an ANSI C136.15-2020 utility label that indicates the wattage (rounded to nearest 10W), the lumen output (rounded to nearest 1000 lumens), and the CCT of the luminaire at the selected lumen output. Additional dimming functionality is available when a dimming control (by others) is used in the 7-Pin receptacle.

Locked Lumen Output (X8/X7/X6/X5/X4/X3/X2/X1) Option Description:

The Locked Lumen Output option on this page permanently locks the lumen output on the OSQ area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected and will only be able to be adjusted down in the field through a dimming control (by others). When ordered with the N option, the luminaire will include a utility label that indicates the wattage, lumen output, and CCT of the setting selected.

Q & X Option Power & Lumen Data – 6L Lumen Package

Q/X Option Setting	CCT/CRI	System Watts 120-480V	Lumen Values				Utility Label Wattage	Utility Label Lumens			
			Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS		Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS
Q9 (Full Power)	30K (70 CRI)	37	5,475	5,750	3,760	3,440	40	5000 L	6000 L	4000 L	3000 L
	40K (70 CRI)		5,700	6,000	3,920	3,590		6000 L	6000 L	4000 L	4000 L
	50K (90 CRI)		3,880	4,080	2,670	2,440		4000 L	4000 L	3000 L	2000 L
	57K (70 CRI)		5,700	6,000	3,920	3,590		6000 L	6000 L	4000 L	4000 L
Q8/X8	30K (70 CRI)	34	5,200	5,475	3,580	3,280	30	5000 L	5000 L	4000 L	3000 L
	40K (70 CRI)		5,450	5,725	3,740	3,430		5000 L	6000 L	4000 L	3000 L
	50K (90 CRI)		3,700	3,890	2,540	2,330		4000 L	4000 L	3000 L	2000 L
	57K (70 CRI)		5,450	5,725	3,740	3,430		5000 L	6000 L	4000 L	3000 L
Q7/X7	30K (70 CRI)	32	4,990	5,250	3,430	3,140	30	5000 L	5000 L	3000 L	3000 L
	40K (70 CRI)		5,200	5,475	3,580	3,280		5000 L	5000 L	4000 L	3000 L
	50K (90 CRI)		3,550	3,730	2,440	2,230		4000 L	4000 L	2000 L	2000 L
	57K (70 CRI)		5,200	5,475	3,580	3,280		5000 L	5000 L	4000 L	3000 L
Q6/X6	30K (70 CRI)	30	4,820	5,075	3,320	3,040	30	5000 L	5000 L	3000 L	3000 L
	40K (70 CRI)		5,050	5,300	3,470	3,170		5000 L	5000 L	3000 L	3000 L
	50K (90 CRI)		3,430	3,610	2,360	2,160		3000 L	4000 L	2000 L	2000 L
	57K (70 CRI)		5,050	5,300	3,470	3,170		5000 L	5000 L	3000 L	3000 L
Q5/X5	30K (70 CRI)	28	4,420	4,650	3,040	2,780	30	4000 L	5000 L	3000 L	3000 L
	40K (70 CRI)		4,610	4,850	3,170	2,900		5000 L	5000 L	3000 L	3000 L
	50K (90 CRI)		3,140	3,300	2,160	1,980		3000 L	3000 L	2000 L	2000 L
	57K (70 CRI)		4,610	4,850	3,170	2,900		5000 L	5000 L	3000 L	3000 L
Q4/X4	30K (70 CRI)	25	4,010	4,220	2,760	2,530	30	4000 L	4000 L	3000 L	3000 L
	40K (70 CRI)		4,180	4,400	2,880	2,640		4000 L	4000 L	3000 L	3000 L
	50K (90 CRI)		2,840	2,990	1,960	1,790		3000 L	3000 L	2000 L	2000 L
	57K (70 CRI)		4,180	4,400	2,880	2,640		4000 L	4000 L	3000 L	3000 L
Q3/X3	30K (70 CRI)	23	3,710	3,900	2,550	2,340	20	4000 L	4000 L	3000 L	2000 L
	40K (70 CRI)		3,870	4,070	2,660	2,440		4000 L	4000 L	3000 L	2000 L
	50K (90 CRI)		2,630	2,770	1,810	1,660		3000 L	3000 L	2000 L	2000 L
	57K (70 CRI)		3,870	4,070	2,660	2,440		4000 L	4000 L	3000 L	2000 L
Q2/X2	30K (70 CRI)	20	3,340	3,510	2,300	2,100	20	3000 L	4000 L	2000 L	2000 L
	40K (70 CRI)		3,480	3,660	2,390	2,190		3000 L	4000 L	2000 L	2000 L
	50K (90 CRI)		2,370	2,490	1,630	1,490		2000 L	2000 L	2000 L	1000 L
	57K (70 CRI)		3,480	3,660	2,390	2,190		3000 L	4000 L	2000 L	2000 L
Q1/X1	30K (70 CRI)	18	2,950	3,100	2,030	1,860	20	3000 L	3000 L	2000 L	2000 L
	40K (70 CRI)		3,070	3,230	2,110	1,930		3000 L	3000 L	2000 L	2000 L
	50K (90 CRI)		2,090	2,200	1,440	1,320		2000 L	2000 L	1000 L	1000 L
	57K (70 CRI)		3,070	3,230	2,110	1,930		3000 L	3000 L	2000 L	2000 L

Field Adjustable Output (Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:

The Field Adjustable Output option enables the OSQ area luminaires to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected Q setting and will be fully adjustable between the nine settings. When ordered with the N option, the luminaire will include an ANSI C136.15-2020 utility label that indicates the wattage (rounded to nearest 10W), the lumen output (rounded to nearest 1000 lumens), and the CCT of the luminaire at the selected lumen output. Additional dimming functionality is available when a dimming control (by others) is used in the 7-Pin receptacle.

Locked Lumen Output (X8/X7/X6/X5/X4/X3/X2/X1) Option Description:

The Locked Lumen Output option on this page permanently locks the lumen output on the OSQ area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected and will only be able to be adjusted down in the field through a dimming control (by others). When ordered with the N option, the luminaire will include a utility label that indicates the wattage, lumen output, and CCT of the setting selected.

Q & X Option Power & Lumen Data – 9L Lumen Package

Q/X Option Setting	CCT/CRI	System Watts 120-480V	Lumen Values				Utility Label Wattage	Utility Label Lumens			
			Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS		Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS
Q9 (Full Power)	30K (70 CRI)	55	8,225	8,650	5,650	5,175	60	8000 L	9000 L	6000 L	5000 L
	40K (70 CRI)		8,550	9,000	5,875	5,400		9000 L	9000 L	6000 L	5000 L
	50K (90 CRI)		5,825	6,125	4,000	3,670		6000 L	6000 L	4000 L	4000 L
	57K (70 CRI)		8,550	9,000	5,875	5,400		9000 L	9000 L	6000 L	5000 L
Q8/X8	30K (70 CRI)	53	7,850	8,250	5,400	4,940	50	8000 L	8000 L	5000 L	5000 L
	40K (70 CRI)		8,150	8,575	5,600	5,125		8000 L	9000 L	6000 L	5000 L
	50K (90 CRI)		5,550	5,850	3,830	3,500		6000 L	6000 L	4000 L	4000 L
	57K (70 CRI)		8,150	8,575	5,600	5,125		8000 L	9000 L	6000 L	5000 L
Q7/X7	30K (70 CRI)	50	7,500	7,900	5,175	4,730	50	8000 L	8000 L	5000 L	5000 L
	40K (70 CRI)		7,825	8,225	5,375	4,930		8000 L	8000 L	5000 L	5000 L
	50K (90 CRI)		5,325	5,600	3,660	3,350		5000 L	6000 L	4000 L	3000 L
	57K (70 CRI)		7,825	8,225	5,375	4,930		8000 L	8000 L	5000 L	5000 L
Q6/X6	30K (70 CRI)	48	7,275	7,650	5,000	4,580	50	7000 L	8000 L	5000 L	5000 L
	40K (70 CRI)		7,550	7,950	5,200	4,760		8000 L	8000 L	5000 L	5000 L
	50K (90 CRI)		5,150	5,425	3,550	3,250		5000 L	5000 L	4000 L	3000 L
	57K (70 CRI)		7,550	7,950	5,200	4,760		8000 L	8000 L	5000 L	5000 L
Q5/X5	30K (70 CRI)	43	6,650	7,000	4,580	4,190	40	7000 L	7000 L	5000 L	4000 L
	40K (70 CRI)		6,925	7,275	4,760	4,360		7000 L	7000 L	5000 L	4000 L
	50K (90 CRI)		4,710	4,950	3,240	2,960		5000 L	5000 L	3000 L	3000 L
	57K (70 CRI)		6,925	7,275	4,760	4,360		7000 L	7000 L	5000 L	4000 L
Q4/X4	30K (70 CRI)	40	6,025	6,350	4,150	3,800	40	6000 L	6000 L	4000 L	4000 L
	40K (70 CRI)		6,275	6,600	4,320	3,950		6000 L	7000 L	4000 L	4000 L
	50K (90 CRI)		4,280	4,500	2,940	2,700		4000 L	5000 L	3000 L	3000 L
	57K (70 CRI)		6,275	6,600	4,320	3,950		6000 L	7000 L	4000 L	4000 L
Q3/X3	30K (70 CRI)	36	5,575	5,875	3,840	3,520	40	6000 L	6000 L	4000 L	4000 L
	40K (70 CRI)		5,800	6,100	3,990	3,650		6000 L	6000 L	4000 L	4000 L
	50K (90 CRI)		3,940	4,150	2,710	2,490		4000 L	4000 L	3000 L	2000 L
	57K (70 CRI)		5,800	6,100	3,990	3,650		6000 L	6000 L	4000 L	4000 L
Q2/X2*	30K (70 CRI)	32	5,025	5,275	3,450	3,160	30	5000 L	5000 L	3000 L	3000 L
	40K (70 CRI)		5,225	5,500	3,600	3,290		5000 L	6000 L	4000 L	3000 L
	50K (90 CRI)		3,560	3,740	2,450	2,240		4000 L	4000 L	2000 L	2000 L
	57K (70 CRI)		5,225	5,500	3,600	3,290		5000 L	6000 L	4000 L	3000 L
Q1/X1*	30K (70 CRI)	29	4,430	4,660	3,050	2,790	30	4000 L	5000 L	3000 L	3000 L
	40K (70 CRI)		4,610	4,850	3,170	2,900		5000 L	5000 L	3000 L	3000 L
	50K (90 CRI)		3,140	3,300	2,160	1,980		3000 L	3000 L	2000 L	2000 L
	57K (70 CRI)		4,610	4,850	3,170	2,900		5000 L	5000 L	3000 L	3000 L

* X2 and X1 options not available with 9L lumen package with UL voltage.

Field Adjustable Output (Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:

The Field Adjustable Output option enables the OSQ area luminaires to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected Q setting and will be fully adjustable between the nine settings. When ordered with the N option, the luminaire will include an ANSI C136.15-2020 utility label that indicates the wattage (rounded to nearest 10W), the lumen output (rounded to nearest 1000 lumens), and the CCT of the luminaire at the selected lumen output. Additional dimming functionality is available when a dimming control (by others) is used in the 7-Pin receptacle.

Locked Lumen Output (X8/X7/X6/X5/X4/X3/X2/X1) Option Description:

The Locked Lumen Output option on this page permanently locks the lumen output on the OSQ area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected and will only be able to be adjusted down in the field through a dimming control (by others). When ordered with the N option, the luminaire will include a utility label that indicates the wattage, lumen output, and CCT of the setting selected.

Q & X Option Power & Lumen Data – 11L Lumen Package

Q/X Option Setting	CCT/CRI	System Watts 120-480V	Lumen Values				Utility Label Wattage	Utility Label Lumens			
			Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS		Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS
Q9 (Full Power)	30K (70 CRI)	68	10,025	10,550	6,900	6,325	70	10000 L	11000 L	7000 L	6000 L
	40K (70 CRI)		10,450	11,000	7,200	6,600		10000 L	11000 L	7000 L	7000 L
	50K (90 CRI)		7,100	7,475	4,890	4,480		7000 L	7000 L	5000 L	4000 L
	57K (70 CRI)		10,450	11,000	7,200	6,600		10000 L	11000 L	7000 L	7000 L
Q8/X8	30K (70 CRI)	65	9,575	10,075	6,600	6,025	70	10000 L	10000 L	7000 L	6000 L
	40K (70 CRI)		9,975	10,500	6,875	6,300		10000 L	11000 L	7000 L	6000 L
	50K (90 CRI)		6,775	7,125	4,660	4,270		7000 L	7000 L	5000 L	4000 L
	57K (70 CRI)		9,975	10,500	6,875	6,300		10000 L	11000 L	7000 L	6000 L
Q7/X7	30K (70 CRI)	62	9,175	9,650	6,300	5,775	60	9000 L	10000 L	6000 L	6000 L
	40K (70 CRI)		9,550	10,050	6,575	6,025		10000 L	10000 L	7000 L	6000 L
	50K (90 CRI)		6,500	6,825	4,460	4,090		7000 L	7000 L	4000 L	4000 L
	57K (70 CRI)		9,550	10,050	6,575	6,025		10000 L	10000 L	7000 L	6000 L
Q6/X6	30K (70 CRI)	59	8,875	9,325	6,100	5,575	60	9000 L	9000 L	6000 L	6000 L
	40K (70 CRI)		9,250	9,725	6,350	5,825		9000 L	10000 L	6000 L	6000 L
	50K (90 CRI)		6,275	6,600	4,320	3,950		6000 L	7000 L	4000 L	4000 L
	57K (70 CRI)		9,250	9,725	6,350	5,825		9000 L	10000 L	6000 L	6000 L
Q5/X5	30K (70 CRI)	53	8,100	8,525	5,575	5,100	50	8000 L	9000 L	6000 L	5000 L
	40K (70 CRI)		8,450	8,900	5,825	5,325		8000 L	9000 L	6000 L	5000 L
	50K (90 CRI)		5,750	6,050	3,960	3,620		6000 L	6000 L	4000 L	4000 L
	57K (70 CRI)		8,450	8,900	5,825	5,325		8000 L	9000 L	6000 L	5000 L
Q4/X4	30K (70 CRI)	49	7,375	7,750	5,075	4,640	50	7000 L	8000 L	5000 L	5000 L
	40K (70 CRI)		7,675	8,075	5,275	4,840		8000 L	8000 L	5000 L	5000 L
	50K (90 CRI)		5,200	5,475	3,580	3,280		5000 L	5000 L	4000 L	3000 L
	57K (70 CRI)		7,675	8,075	5,275	4,840		8000 L	8000 L	5000 L	5000 L
Q3/X3	30K (70 CRI)	44	6,800	7,150	4,680	4,280	40	7000 L	7000 L	5000 L	4000 L
	40K (70 CRI)		7,075	7,450	4,870	4,460		7000 L	7000 L	5000 L	4000 L
	50K (90 CRI)		4,820	5,075	3,320	3,040		5000 L	5000 L	3000 L	3000 L
	57K (70 CRI)		7,075	7,450	4,870	4,460		7000 L	7000 L	5000 L	4000 L
Q2/X2	30K (70 CRI)	39	6,100	6,425	4,200	3,850	40	6000 L	6000 L	4000 L	4000 L
	40K (70 CRI)		6,375	6,700	4,380	4,010		6000 L	7000 L	4000 L	4000 L
	50K (90 CRI)		4,330	4,560	2,980	2,730		4000 L	5000 L	3000 L	3000 L
	57K (70 CRI)		6,375	6,700	4,380	4,010		6000 L	7000 L	4000 L	4000 L
Q1/X1	30K (70 CRI)	35	5,400	5,675	3,710	3,400	40	5000 L	6000 L	4000 L	3000 L
	40K (70 CRI)		5,625	5,925	3,870	3,550		6000 L	6000 L	4000 L	4000 L
	50K (90 CRI)		3,830	4,030	2,640	2,410		4000 L	4000 L	3000 L	2000 L
	57K (70 CRI)		5,625	5,925	3,870	3,550		6000 L	6000 L	4000 L	4000 L

Field Adjustable Output (Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:

The Field Adjustable Output option enables the OSQ area luminaires to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected Q setting and will be fully adjustable between the nine settings. When ordered with the N option, the luminaire will include an ANSI C136.15-2020 utility label that indicates the wattage (rounded to nearest 10W), the lumen output (rounded to nearest 1000 lumens), and the CCT of the luminaire at the selected lumen output. Additional dimming functionality is available when a dimming control (by others) is used in the 7-Pin receptacle.

Locked Lumen Output (X8/X7/X6/X5/X4/X3/X2/X1) Option Description:

The Locked Lumen Output option on this page permanently locks the lumen output on the OSQ area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected and will only be able to be adjusted down in the field through a dimming control (by others). When ordered with the N option, the luminaire will include a utility label that indicates the wattage, lumen output, and CCT of the setting selected.

Q & X Option Power & Lumen Data – 16L Lumen Package

Q/X Option Setting	CCT/CRI	System Watts 120-480V	Lumen Values				Utility Label Wattage	Utility Label Lumens			
			Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS		Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS
Q9 (Full Power)	30K (70 CRI)	97	14,650	15,400	10,075	9,225	100	15000 L	15000 L	10000 L	9000 L
	40K (70 CRI)		15,200	16,000	10,450	9,575		15000 L	16000 L	10000 L	10000 L
	50K (90 CRI)		10,325	10,875	7,100	6,525		10000 L	11000 L	7000 L	7000 L
	57K (70 CRI)		15,200	16,000	10,450	9,575		15000 L	16000 L	10000 L	10000 L
Q8/X8	30K (70 CRI)	93	13,975	14,700	9,600	8,800	90	14000 L	15000 L	10000 L	9000 L
	40K (70 CRI)		14,550	15,300	10,000	9,175		15000 L	15000 L	10000 L	9000 L
	50K (90 CRI)		9,850	10,375	6,775	6,225		10000 L	10000 L	7000 L	6000 L
	57K (70 CRI)		14,550	15,300	10,000	9,175		15000 L	15000 L	10000 L	9000 L
Q7/X7	30K (70 CRI)	87	13,375	14,075	9,200	8,425	90	13000 L	14000 L	9000 L	8000 L
	40K (70 CRI)		13,900	14,625	9,575	8,750		14000 L	15000 L	10000 L	9000 L
	50K (90 CRI)		9,450	9,950	6,500	5,950		9000 L	10000 L	7000 L	6000 L
	57K (70 CRI)		13,900	14,625	9,575	8,750		14000 L	15000 L	10000 L	9000 L
Q6/X6	30K (70 CRI)	84	12,950	13,625	8,900	8,150	80	13000 L	14000 L	9000 L	8000 L
	40K (70 CRI)		13,450	14,150	9,250	8,475		13000 L	14000 L	9000 L	8000 L
	50K (90 CRI)		9,150	9,625	6,300	5,775		9000 L	10000 L	6000 L	6000 L
	57K (70 CRI)		13,450	14,150	9,250	8,475		13000 L	14000 L	9000 L	8000 L
Q5/X5	30K (70 CRI)	76	11,825	12,450	8,150	7,450	80	12000 L	12000 L	8000 L	7000 L
	40K (70 CRI)		12,275	12,925	8,450	7,750		12000 L	13000 L	8000 L	8000 L
	50K (90 CRI)		8,350	8,775	5,750	5,250		8000 L	9000 L	6000 L	5000 L
	57K (70 CRI)		12,275	12,925	8,450	7,750		12000 L	13000 L	8000 L	8000 L
Q4/X4	30K (70 CRI)	70	10,750	11,300	7,400	6,775	70	11000 L	11000 L	7000 L	7000 L
	40K (70 CRI)		11,175	11,750	7,675	7,025		11000 L	12000 L	8000 L	7000 L
	50K (90 CRI)		7,575	7,975	5,225	4,780		8000 L	8000 L	5000 L	5000 L
	57K (70 CRI)		11,175	11,750	7,675	7,025		11000 L	12000 L	8000 L	7000 L
Q3/X3	30K (70 CRI)	62	9,925	10,450	6,825	6,250	60	10000 L	10000 L	7000 L	6000 L
	40K (70 CRI)		10,325	10,850	7,100	6,500		10000 L	11000 L	7000 L	7000 L
	50K (90 CRI)		7,000	7,375	4,820	4,420		7000 L	7000 L	5000 L	4000 L
	57K (70 CRI)		10,325	10,850	7,100	6,500		10000 L	11000 L	7000 L	7000 L
Q2/X2	30K (70 CRI)	55	8,925	9,400	6,150	5,625	60	9000 L	9000 L	6000 L	6000 L
	40K (70 CRI)		9,275	9,750	6,375	5,850		9000 L	10000 L	6000 L	6000 L
	50K (90 CRI)		6,300	6,625	4,330	3,970		6000 L	7000 L	4000 L	4000 L
	57K (70 CRI)		9,275	9,750	6,375	5,850		9000 L	10000 L	6000 L	6000 L
Q1*	30K (70 CRI)	50	7,900	8,300	5,425	4,970	50	8000 L	8000 L	5000 L	5000 L
	40K (70 CRI)		8,200	8,625	5,650	5,175		8000 L	9000 L	6000 L	5000 L
	50K (90 CRI)		5,550	5,850	3,830	3,500		6000 L	6000 L	4000 L	4000 L
	57K (70 CRI)		8,200	8,625	5,650	5,175		8000 L	9000 L	6000 L	5000 L

* X1 option not available with 16L lumen package.

Field Adjustable Output (Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:

The Field Adjustable Output option enables the OSQ area luminaires to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected Q setting and will be fully adjustable between the nine settings. When ordered with the N option, the luminaire will include an ANSI C136.15-2020 utility label that indicates the wattage (rounded to nearest 10W), the lumen output (rounded to nearest 1000 lumens), and the CCT of the luminaire at the selected lumen output. Additional dimming functionality is available when a dimming control (by others) is used in the 7-Pin receptacle.

Locked Lumen Output (X8/X7/X6/X5/X4/X3/X2/X1) Option Description:

The Locked Lumen Output option on this page permanently locks the lumen output on the OSQ area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected and will only be able to be adjusted down in the field through a dimming control (by others). When ordered with the N option, the luminaire will include a utility label that indicates the wattage, lumen output, and CCT of the setting selected.

Q & X Option Power & Lumen Data – 22L Lumen Package

Q/X Option Setting	CCT/CRI	System Watts 120-480V	Lumen Values				Utility Label Wattage	Utility Label Lumens			
			Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS		Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS
Q9 (Full Power)	30K (70 CRI)	131	20,100	21,100	13,800	12,625	130	20000 L	21000 L	14000 L	13000 L
	40K (70 CRI)		20,900	22,000	14,375	13,175		21000 L	22000 L	14000 L	13000 L
	50K (90 CRI)		14,200	14,950	9,775	8,950		14000 L	15000 L	10000 L	9000 L
	57K (70 CRI)		20,900	22,000	14,375	13,175		21000 L	22000 L	14000 L	13000 L
Q8/X8	30K (70 CRI)	126	19,100	20,100	13,150	12,050	130	19000 L	20000 L	13000 L	12000 L
	40K (70 CRI)		20,000	21,000	13,725	12,575		20000 L	21000 L	14000 L	13000 L
	50K (90 CRI)		13,550	14,250	9,325	8,525		14000 L	14000 L	9000 L	9000 L
	57K (70 CRI)		20,000	21,000	13,725	12,575		20000 L	21000 L	14000 L	13000 L
Q7/X7	30K (70 CRI)	119	18,300	19,300	12,625	11,550	120	18000 L	19000 L	13000 L	12000 L
	40K (70 CRI)		19,100	20,100	13,150	12,050		19000 L	20000 L	13000 L	12000 L
	50K (90 CRI)		13,000	13,675	8,950	8,200		13000 L	14000 L	9000 L	8000 L
	57K (70 CRI)		19,100	20,100	13,150	12,050		19000 L	20000 L	13000 L	12000 L
Q6/X6	30K (70 CRI)	114	17,800	18,700	12,225	11,200	110	18000 L	19000 L	12000 L	11000 L
	40K (70 CRI)		18,400	19,400	12,675	11,625		18000 L	19000 L	13000 L	12000 L
	50K (90 CRI)		12,575	13,225	8,650	7,925		13000 L	13000 L	9000 L	8000 L
	57K (70 CRI)		18,400	19,400	12,675	11,625		18000 L	19000 L	13000 L	12000 L
Q5/X5	30K (70 CRI)	103	16,200	17,000	11,125	10,175	100	16000 L	17000 L	11000 L	10000 L
	40K (70 CRI)		16,900	17,800	11,650	10,650		17000 L	18000 L	12000 L	11000 L
	50K (90 CRI)		11,475	12,075	7,900	7,225		11000 L	12000 L	8000 L	7000 L
	57K (70 CRI)		16,900	17,800	11,650	10,650		17000 L	18000 L	12000 L	11000 L
Q4/X4	30K (70 CRI)	95	14,725	15,500	10,125	9,275	100	15000 L	16000 L	10000 L	9000 L
	40K (70 CRI)		15,300	16,100	10,525	9,650		15000 L	16000 L	11000 L	10000 L
	50K (90 CRI)		10,425	10,975	7,175	6,575		10000 L	11000 L	7000 L	7000 L
	57K (70 CRI)		15,300	16,100	10,525	9,650		15000 L	16000 L	11000 L	10000 L
Q3/X3	30K (70 CRI)	84	13,600	14,300	9,350	8,575	80	14000 L	14000 L	9000 L	9000 L
	40K (70 CRI)		14,175	14,925	9,750	8,950		14000 L	15000 L	10000 L	9000 L
	50K (90 CRI)		9,625	10,125	6,625	6,075		10000 L	10000 L	7000 L	6000 L
	57K (70 CRI)		14,175	14,925	9,750	8,950		14000 L	15000 L	10000 L	9000 L
Q2/X2	30K (70 CRI)	75	12,250	12,875	8,425	7,700	80	12000 L	13000 L	8000 L	8000 L
	40K (70 CRI)		12,750	13,425	8,775	8,050		13000 L	13000 L	9000 L	8000 L
	50K (90 CRI)		8,675	9,125	5,975	5,475		9000 L	9000 L	6000 L	5000 L
	57K (70 CRI)		12,750	13,425	8,775	8,050		13000 L	13000 L	9000 L	8000 L
Q1/X1	30K (70 CRI)	68	10,825	11,375	7,450	6,825	70	11000 L	11000 L	7000 L	7000 L
	40K (70 CRI)		11,275	11,850	7,750	7,100		11000 L	12000 L	8000 L	7000 L
	50K (90 CRI)		7,650	8,050	5,275	4,820		8000 L	8000 L	5000 L	5000 L
	57K (70 CRI)		11,275	11,850	7,750	7,100		11000 L	12000 L	8000 L	7000 L

Field Adjustable Output (Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:

The Field Adjustable Output option enables the OSQ area luminaires to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected Q setting and will be fully adjustable between the nine settings. When ordered with the N option, the luminaire will include an ANSI C136.15-2020 utility label that indicates the wattage (rounded to nearest 10W), the lumen output (<= 24,000 lumens rounded to nearest 1000 lumens, > 24,001 lumens rounded to the nearest 2000 lumens), and the CCT of the luminaire at the selected lumen output. Additional dimming functionality is available when a dimming control (by others) is used in the 7-Pin receptacle.

Locked Lumen Output (X8/X7/X6/X5/X4/X3/X2/X1) Option Description:

The Locked Lumen Output option on this page permanently locks the lumen output on the OSQ area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected and will only be able to be adjusted down in the field through a dimming control (by others). When ordered with the N option, the luminaire will include a utility label that indicates the wattage, lumen output, and CCT of the setting selected.

Q & X Option Power & Lumen Data – 30L Lumen Package

Q/X Option Setting	CCT/CRI	System Watts 120-480V	Lumen Values				Utility Label Wattage	Utility Label Lumens			
			Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS		Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS
Q9 (Full Power)	30K (70 CRI)	175	27,400	28,800	18,800	17,200	130	28000 L	28000 L	19000 L	17000 L
	40K (70 CRI)		28,500	30,000	19,600	18,000		28000 L	30000 L	20000 L	18000 L
	50K (90 CRI)		19,400	20,400	13,350	12,225		19000 L	20000 L	13000 L	12000 L
	57K (70 CRI)		28,500	30,000	19,600	18,000		28000 L	30000 L	20000 L	18000 L
Q8/X8	30K (70 CRI)	168	26,100	27,500	18,000	16,500	170	26000 L	28000 L	18000 L	17000 L
	40K (70 CRI)		27,200	28,600	18,700	17,100		28000 L	28000 L	19000 L	17000 L
	50K (90 CRI)		18,500	19,500	12,750	11,675		19000 L	20000 L	13000 L	12000 L
	57K (70 CRI)		27,200	28,600	18,700	17,100		28000 L	28000 L	19000 L	17000 L
Q7/X7	30K (70 CRI)	158	25,000	26,300	17,200	15,800	160	26000 L	26000 L	17000 L	16000 L
	40K (70 CRI)		26,000	27,400	17,900	16,400		26000 L	28000 L	18000 L	16000 L
	50K (90 CRI)		17,700	18,600	12,150	11,150		18000 L	19000 L	12000 L	11000 L
	57K (70 CRI)		26,000	27,400	17,900	16,400		26000 L	28000 L	18000 L	16000 L
Q6/X6	30K (70 CRI)	152	24,200	25,500	16,700	15,300	150	24000 L	26000 L	17000 L	15000 L
	40K (70 CRI)		25,200	26,500	17,300	15,900		26000 L	26000 L	17000 L	16000 L
	50K (90 CRI)		17,100	18,000	11,775	10,775		17000 L	18000 L	12000 L	11000 L
	57K (70 CRI)		25,200	26,500	17,300	15,900		26000 L	26000 L	17000 L	16000 L
Q5/X5	30K (70 CRI)	137	22,100	23,300	15,200	13,950	140	22000 L	23000 L	15000 L	14000 L
	40K (70 CRI)		23,000	24,200	15,800	14,500		23000 L	24000 L	16000 L	15000 L
	50K (90 CRI)		15,700	16,500	10,800	9,875		16000 L	17000 L	11000 L	10000 L
	57K (70 CRI)		23,000	24,200	15,800	14,500		23000 L	24000 L	16000 L	15000 L
Q4/X4	30K (70 CRI)	126	20,100	21,100	13,800	12,625	130	20000 L	21000 L	14000 L	13000 L
	40K (70 CRI)		20,900	22,000	14,375	13,175		21000 L	22000 L	14000 L	13000 L
	50K (90 CRI)		14,225	14,975	9,800	8,975		14000 L	15000 L	10000 L	9000 L
	57K (70 CRI)		20,900	22,000	14,375	13,175		21000 L	22000 L	14000 L	13000 L
Q3/X3	30K (70 CRI)	113	18,500	19,500	12,750	11,675	110	19000 L	20000 L	13000 L	12000 L
	40K (70 CRI)		19,300	20,300	13,275	12,150		19000 L	20000 L	13000 L	12000 L
	50K (90 CRI)		13,150	13,825	9,050	8,275		13000 L	14000 L	9000 L	8000 L
	57K (70 CRI)		19,300	20,300	13,275	12,150		19000 L	20000 L	13000 L	12000 L
Q2/X2	30K (70 CRI)	100	16,700	17,600	11,500	10,550	100	17000 L	18000 L	12000 L	11000 L
	40K (70 CRI)		17,400	18,300	11,975	10,950		17000 L	18000 L	12000 L	11000 L
	50K (90 CRI)		11,825	12,450	8,150	7,450		12000 L	12000 L	8000 L	7000 L
	57K (70 CRI)		17,400	18,300	11,975	10,950		17000 L	18000 L	12000 L	11000 L
Q1*	30K (70 CRI)	90	14,725	15,500	10,125	9,275	90	15000 L	16000 L	10000 L	9000 L
	40K (70 CRI)		15,400	16,200	10,600	9,700		15000 L	16000 L	11000 L	10000 L
	50K (90 CRI)		10,450	11,000	7,200	6,600		10000 L	11000 L	7000 L	7000 L
	57K (70 CRI)		15,400	16,200	10,600	9,700		15000 L	16000 L	11000 L	10000 L

* X1 option not available with 30L lumen package.

Field Adjustable Output (Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:

The Field Adjustable Output option enables the OSQ area luminaires to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected Q setting and will be fully adjustable between the nine settings. When ordered with the N option, the luminaire will include an ANSI C136.15-2020 utility label that indicates the wattage (rounded to nearest 10W), the lumen output (<= 24,000 lumens rounded to nearest 1000 lumens, > 24,001 lumens rounded to the nearest 2000 lumens), and the CCT of the luminaire at the selected lumen output. Additional dimming functionality is available when a dimming control (by others) is used in the 7-Pin receptacle.

Locked Lumen Output (X8/X7/X6/X5/X4/X3/X2/X1) Option Description:

The Locked Lumen Output option on this page permanently locks the lumen output on the OSQ area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected and will only be able to be adjusted down in the field through a dimming control (by others). When ordered with the N option, the luminaire will include a utility label that indicates the wattage, lumen output, and CCT of the setting selected.

Q & X Option Power & Lumen Data – 40L Lumen Package

Q/X Option Setting	CCT/CRI	System Watts 120-480V	Lumen Values				Utility Label Wattage	Utility Label Lumens			
			Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS		Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS
Q9 (Full Power)	30K (70 CRI)	236	36,500	38,400	25,100	23,000	130	36000 L	38000 L	26000 L	23000 L
	40K (70 CRI)		38,000	40,000	26,200	24,000		38000 L	40000 L	26000 L	24000 L
	50K (90 CRI)		25,900	27,200	17,800	16,300		26000 L	28000 L	18000 L	16000 L
	57K (70 CRI)		38,000	40,000	26,200	24,000		38000 L	40000 L	26000 L	24000 L
Q8/X8	30K (70 CRI)	212	34,800	36,600	23,900	21,900	210	34000 L	36000 L	24000 L	22000 L
	40K (70 CRI)		36,300	38,200	25,000	22,900		36000 L	38000 L	26000 L	23000 L
	50K (90 CRI)		24,600	25,900	16,900	15,500		24000 L	26000 L	17000 L	16000 L
	57K (70 CRI)		36,300	38,200	25,000	22,900		36000 L	38000 L	26000 L	23000 L
Q7/X7	30K (70 CRI)	203	33,400	35,100	23,000	21,000	200	34000 L	36000 L	23000 L	21000 L
	40K (70 CRI)		34,800	36,600	23,900	21,900		34000 L	36000 L	24000 L	22000 L
	50K (90 CRI)		23,700	24,900	16,300	14,925		24000 L	24000 L	16000 L	15000 L
	57K (70 CRI)		34,800	36,600	23,900	21,900		34000 L	36000 L	24000 L	22000 L
Q6/X6	30K (70 CRI)	195	32,200	33,900	22,200	20,300	200	32000 L	34000 L	22000 L	20000 L
	40K (70 CRI)		33,600	35,400	23,100	21,200		34000 L	36000 L	23000 L	21000 L
	50K (90 CRI)		22,800	24,000	15,700	14,375		23000 L	24000 L	16000 L	14000 L
	57K (70 CRI)		33,600	35,400	23,100	21,200		34000 L	36000 L	23000 L	21000 L
Q5/X5	30K (70 CRI)	176	29,500	31,000	20,300	18,600	180	30000 L	32000 L	20000 L	19000 L
	40K (70 CRI)		30,700	32,300	21,100	19,300		30000 L	32000 L	21000 L	19000 L
	50K (90 CRI)		20,900	22,000	14,375	13,175		21000 L	22000 L	14000 L	13000 L
	57K (70 CRI)		30,700	32,300	21,100	19,300		30000 L	32000 L	21000 L	19000 L
Q4/X4	30K (70 CRI)	160	26,800	28,200	18,400	16,900	160	26000 L	28000 L	18000 L	17000 L
	40K (70 CRI)		27,900	29,400	19,200	17,600		28000 L	30000 L	19000 L	18000 L
	50K (90 CRI)		19,000	20,000	13,075	11,975		19000 L	20000 L	13000 L	12000 L
	57K (70 CRI)		27,900	29,400	19,200	17,600		28000 L	30000 L	19000 L	18000 L
Q3/X3	30K (70 CRI)	144	24,700	26,000	17,000	15,600	140	24000 L	26000 L	17000 L	16000 L
	40K (70 CRI)		25,800	27,100	17,700	16,200		26000 L	28000 L	18000 L	16000 L
	50K (90 CRI)		17,500	18,400	12,025	11,025		18000 L	18000 L	12000 L	11000 L
	57K (70 CRI)		25,800	27,100	17,700	16,200		26000 L	28000 L	18000 L	16000 L
Q2/X2	30K (70 CRI)	129	22,200	23,400	15,300	14,025	130	22000 L	23000 L	15000 L	14000 L
	40K (70 CRI)		23,200	24,400	16,000	14,625		23000 L	24000 L	16000 L	15000 L
	50K (90 CRI)		15,800	16,600	10,850	9,950		16000 L	17000 L	11000 L	10000 L
	57K (70 CRI)		23,200	24,400	16,000	14,625		23000 L	24000 L	16000 L	15000 L
Q1/X1	30K (70 CRI)	111	19,700	20,700	13,525	12,400	110	20000 L	21000 L	14000 L	12000 L
	40K (70 CRI)		20,500	21,600	14,125	12,925		21000 L	22000 L	14000 L	13000 L
	50K (90 CRI)		13,925	14,650	9,575	8,775		14000 L	15000 L	10000 L	9000 L
	57K (70 CRI)		20,500	21,600	14,125	12,925		21000 L	22000 L	14000 L	13000 L

Field Adjustable Output (Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:

The Field Adjustable Output option enables the OSQ area luminaires to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected Q setting and will be fully adjustable between the nine settings.

Locked Lumen Output (X8/X7/X6/X5/X4/X3/X2/X1) Option Description:

The Locked Lumen Output option on this page permanently locks the lumen output on the OSQ area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected and will only be able to be adjusted down in the field through a dimming control [by others].

Q & X Option Power & Lumen Data – 50L Lumen Package

Q/X Option Setting	CCT/CRI	System Watts 120-480V	Lumen Values			
			Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS
Q9 (Full Power)	30K (70 CRI)	297	45,600	48,000	31,400	28,700
	40K (70 CRI)		47,500	50,000	32,700	29,900
	50K (90 CRI)		32,300	34,000	22,200	20,400
	57K (70 CRI)		47,500	50,000	32,700	29,900
Q8/X8	30K (70 CRI)	285	43,500	45,800	29,900	27,400
	40K (70 CRI)		45,300	47,700	31,200	28,600
	50K (90 CRI)		30,800	32,400	21,200	19,400
	57K (70 CRI)		45,300	47,700	31,200	28,600
Q7/X7	30K (70 CRI)	269	41,700	43,900	28,700	26,300
	40K (70 CRI)		43,400	45,700	29,900	27,400
	50K (90 CRI)		29,600	31,100	20,300	18,600
	57K (70 CRI)		43,400	45,700	29,900	27,400
Q6/X6	30K (70 CRI)	258	40,300	42,400	27,700	25,400
	40K (70 CRI)		42,000	44,200	28,900	26,500
	50K (90 CRI)		28,600	30,100	19,700	18,000
	57K (70 CRI)		42,000	44,200	28,900	26,500
Q5/X5	30K (70 CRI)	233	36,900	38,800	25,400	23,200
	40K (70 CRI)		38,400	40,400	26,400	24,200
	50K (90 CRI)		26,100	27,500	18,000	16,500
	57K (70 CRI)		38,400	40,400	26,400	24,200
Q4/X4	30K (70 CRI)	215	33,500	35,200	23,000	21,100
	40K (70 CRI)		34,900	36,700	24,000	22,000
	50K (90 CRI)		23,800	25,000	16,300	14,975
	57K (70 CRI)		34,900	36,700	24,000	22,000
Q3/X3	30K (70 CRI)	191	30,900	32,500	21,300	19,500
	40K (70 CRI)		32,200	33,900	22,200	20,300
	50K (90 CRI)		22,000	23,100	15,100	13,825
	57K (70 CRI)		32,200	33,900	22,200	20,300
Q2/X2	30K (70 CRI)	170	27,900	29,300	19,200	17,500
	40K (70 CRI)		29,000	30,500	19,900	18,300
	50K (90 CRI)		19,700	20,700	13,525	12,400
	57K (70 CRI)		29,000	30,500	19,900	18,300
Q1/X1	30K (70 CRI)	153	24,600	25,900	16,900	15,500
	40K (70 CRI)		25,700	27,000	17,700	16,200
	50K (90 CRI)		17,400	18,300	11,975	10,950
	57K (70 CRI)		25,700	27,000	17,700	16,200

Field Adjustable Output (Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:

The Field Adjustable Output option enables the OSQ area luminaires to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected Q setting and will be fully adjustable between the nine settings.

Locked Lumen Output (X8/X7/X6/X5/X4/X3/X2/X1) Option Description:

The Locked Lumen Output option on this page permanently locks the lumen output on the OSQ area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected and will only be able to be adjusted down in the field through a dimming control [by others].

Q & X Option Power & Lumen Data – 65L Lumen Package

Q/X Option Setting	CCT/CRI	System Watts 120-480V	Lumen Values			
			Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS
Q9 (Full Power)	30K (70 CRI)	384	59,300	62,400	40,800	37,400
	40K (70 CRI)		61,800	65,000	42,500	38,900
	50K (90 CRI)		42,000	44,200	28,900	26,500
	57K (70 CRI)		61,800	65,000	42,500	38,900
Q8/X8	30K (70 CRI)	365	56,600	59,500	38,900	35,600
	40K (70 CRI)		58,900	62,000	40,500	37,100
	50K (90 CRI)		40,100	42,200	27,600	25,300
	57K (70 CRI)		58,900	62,000	40,500	37,100
Q7/X7	30K (70 CRI)	347	54,200	57,000	37,300	34,100
	40K (70 CRI)		56,500	59,400	38,800	35,600
	50K (90 CRI)		38,400	40,400	26,400	24,200
	57K (70 CRI)		56,500	59,400	38,800	35,600
Q6/X6	30K (70 CRI)	332	52,500	55,200	36,100	33,100
	40K (70 CRI)		54,700	57,500	37,600	34,400
	50K (90 CRI)		37,200	39,100	25,600	23,400
	57K (70 CRI)		54,700	57,500	37,600	34,400
Q5/X5	30K (70 CRI)	301	47,900	50,400	33,000	30,200
	40K (70 CRI)		49,900	52,500	34,300	31,400
	50K (90 CRI)		33,900	35,700	23,300	21,400
	57K (70 CRI)		49,900	52,500	34,300	31,400
Q4/X4	30K (70 CRI)	276	43,500	45,800	29,900	27,400
	40K (70 CRI)		45,300	47,700	31,200	28,600
	50K (90 CRI)		30,800	32,400	21,200	19,400
	57K (70 CRI)		45,300	47,700	31,200	28,600
Q3/X3	30K (70 CRI)	247	40,200	42,300	27,700	25,300
	40K (70 CRI)		41,900	44,100	28,800	26,400
	50K (90 CRI)		28,500	30,000	19,600	18,000
	57K (70 CRI)		41,900	44,100	28,800	26,400
Q2/X2	30K (70 CRI)	220	36,200	38,100	24,900	22,800
	40K (70 CRI)		37,700	39,700	26,000	23,800
	50K (90 CRI)		25,700	27,000	17,700	16,200
	57K (70 CRI)		37,700	39,700	26,000	23,800
Q1*	30K (70 CRI)	195	31,900	33,600	22,000	20,100
	40K (70 CRI)		33,300	35,000	22,900	21,000
	50K (90 CRI)		22,600	23,800	15,600	14,250
	57K (70 CRI)		33,300	35,000	22,900	21,000

* X1 option not available with 65L lumen package.

Field Adjustable Output (Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:

The Field Adjustable Output option enables the OSQ area luminaires to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected Q setting and will be fully adjustable between the nine settings.

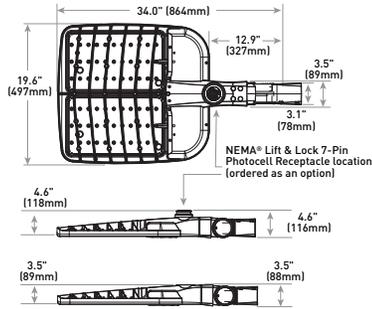
Locked Lumen Output (X8/X7/X6/X5/X4/X3/X2/X1) Option Description:

The Locked Lumen Output option on this page permanently locks the lumen output on the OSQ area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected and will only be able to be adjusted down in the field through a dimming control [by others].

Q & X Option Power & Lumen Data – 75L Lumen Package

Q/X Option Setting	CCT/CRI	System Watts 120-480V	Lumen Values			
			Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS
Q9 (Full Power)	30K (70 CRI)	447	68,400	72,000	47,100	43,100
	40K (70 CRI)		71,300	75,000	49,000	44,900
	50K (90 CRI)		48,500	51,000	33,300	30,500
	57K (70 CRI)		71,300	75,000	49,000	44,900
Q8/X8	30K (70 CRI)	426	65,300	68,700	44,900	41,100
	40K (70 CRI)		68,100	71,600	46,800	42,900
	50K (90 CRI)		46,300	48,700	31,800	29,200
	57K (70 CRI)		68,100	71,600	46,800	42,900
Q7/X7	30K (70 CRI)	404	62,500	65,800	43,000	39,400
	40K (70 CRI)		65,200	68,600	44,900	41,100
	50K (90 CRI)		44,300	46,600	30,500	27,900
	57K (70 CRI)		65,200	68,600	44,900	41,100
Q6/X6	30K (70 CRI)	387	60,500	63,600	41,600	38,100
	40K (70 CRI)		63,000	66,300	43,400	39,700
	50K (90 CRI)		42,900	45,100	29,500	27,000
	57K (70 CRI)		63,000	66,300	43,400	39,700
Q5/X5	30K (70 CRI)	350	55,300	58,200	38,100	34,900
	40K (70 CRI)		57,600	60,600	39,600	36,300
	50K (90 CRI)		39,200	41,200	26,900	24,700
	57K (70 CRI)		57,600	60,600	39,600	36,300
Q4/X4	30K (70 CRI)	321	50,200	52,800	34,500	31,600
	40K (70 CRI)		52,400	55,100	36,000	33,000
	50K (90 CRI)		35,600	37,400	24,500	22,400
	57K (70 CRI)		52,400	55,100	36,000	33,000
Q3/X3	30K (70 CRI)	287	46,400	48,800	31,900	29,200
	40K (70 CRI)		48,400	50,900	33,300	30,500
	50K (90 CRI)		32,900	34,600	22,600	20,700
	57K (70 CRI)		48,400	50,900	33,300	30,500
Q2/X2	30K (70 CRI)	256	41,700	43,900	28,700	26,300
	40K (70 CRI)		43,500	45,800	29,900	27,400
	50K (90 CRI)		29,600	31,100	20,300	18,600
	57K (70 CRI)		43,500	45,800	29,900	27,400
Q1/X1	30K (70 CRI)	227	36,900	38,800	25,400	23,200
	40K (70 CRI)		38,400	40,400	26,400	24,200
	50K (90 CRI)		26,100	27,500	18,000	16,500
	57K (70 CRI)		38,400	40,400	26,400	24,200

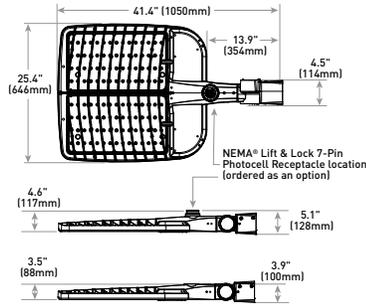
OSQL - AA Mount



Luminaire	Weight
OSQL	28.4 lbs. [12.9kg]

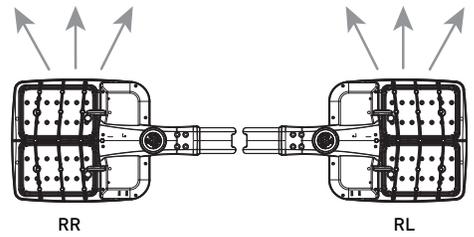
Note: For OSQM w/AA mount, refer to drawing on page 1.

OSQX - AA Mount

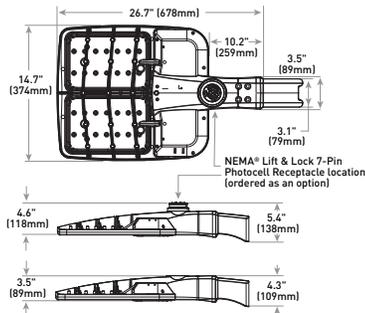


Luminaire	Weight
OSQX	48.6 lbs. [22.0kg]

RR/RL Configuration



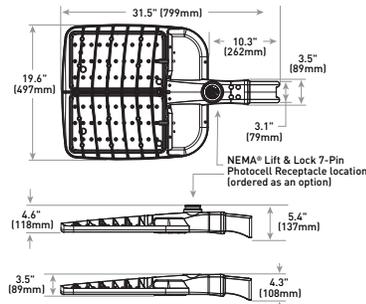
OSQM - DA Mount



Luminaire	Weight
OSQM	19.7 lbs. [8.9kg]

Note: Refer to page 14 for fixture mounting drill pattern.

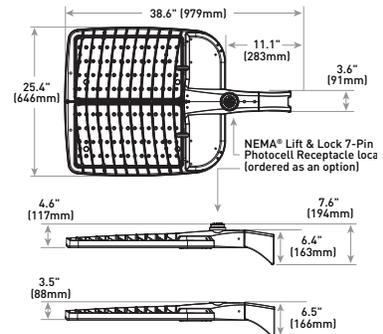
OSQL - DA Mount



Luminaire	Weight
OSQL	28.8 lbs. [13.1kg]

Note: Refer to page 14 for fixture mounting drill pattern.

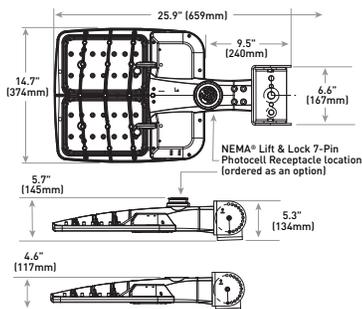
OSQX-DA Mount



Luminaire	Weight
OSQX	45.8 lbs. [20.8kg]

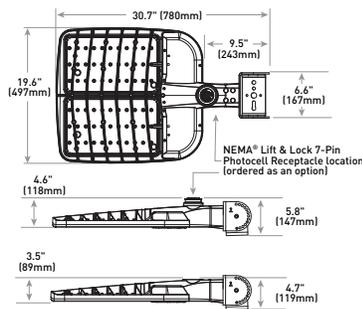
Note: Refer to page 14 for fixture mounting drill pattern.

OSQM - Trunnion Mount



Luminaire	Weight
OSQM	23.2 lbs. [10.5kg]

OSQL - Trunnion Mount



Luminaire	Weight
OSQL	32.3 lbs. [14.7kg]

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Catalog Number
Notes
Type

FEATURES & SPECIFICATIONS

INTENDED USE

Provides years of maintenance-free illumination for outdoor use in residential & commercial applications. Ideal for applications such as lighting walkways and stairways for safety and security.

CONSTRUCTION

Cast-aluminum housing with corrosion-resistant paint in either dark bronze or white finish.

ADA compliant.

OPTICS

4000K CCT LEDs.

Polycarbonate lens protects the LED from moisture, dirt and other contaminants.

LUMEN MAINTENANCE: The LED will deliver 70% of its initial lumens at 50,000 hour average LED life. See Lighting Facts label on page 2 for performance details.

ELECTRICAL

MVOLT driver operates on any line voltage from 120-277V

Operating temperature -30°C to 40°C.

1KV surge protection standard.

INSTALLATION

Surface mounts to universal junction box (provided by others).

LISTINGS

UL Listed to U.S. and Canadian safety standards for wet locations.

Tested in accordance with IESNA LM-79 and LM-80 standards.

WARRANTY — 5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at:

www.acuitybrands.com/support/customer-support/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application.

All values are design or typical values, measured under laboratory conditions at 25 °C.

Specifications subject to change without notice.

Outdoor General Purpose

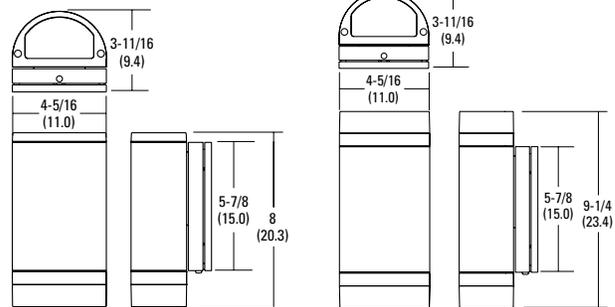
OLLWD & OLLWU

LED WALL CYLINDER LIGHT



Specifications

All dimensions are inches (centimeters)



CONTRACTOR TO VERIFY THAT FIXTURES CAN BE MOUNTED PER PLAN AND ALL NECESSARY HARDWARE IS SPECIFIED FOR INSTALLATION PRIOR TO PURCHASING

ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: OLLWD LED P1 40K MVOLT DDB

Series	Performance Package	Color temperature (CCT)	Voltage	Finish
OLLWD LED Downlight	P1	40K 4000K	MVOLT 120V-277V	DDB Dark bronze
OLLWU LED Up & downlight			120 120V ¹	WH White ²

Notes

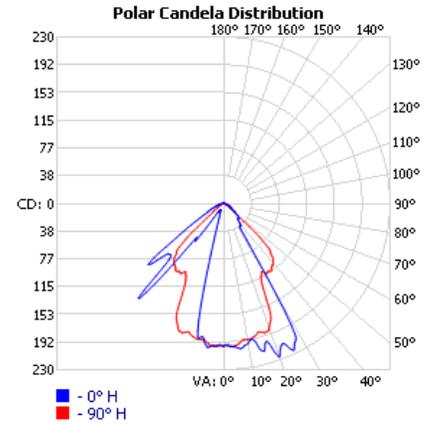
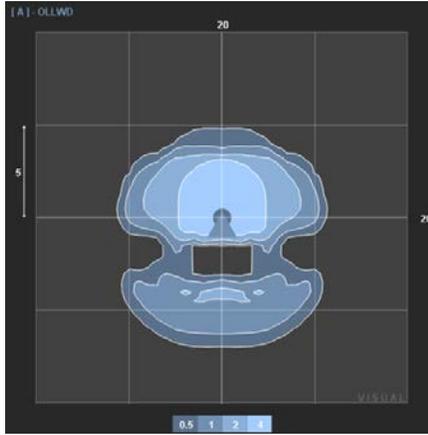
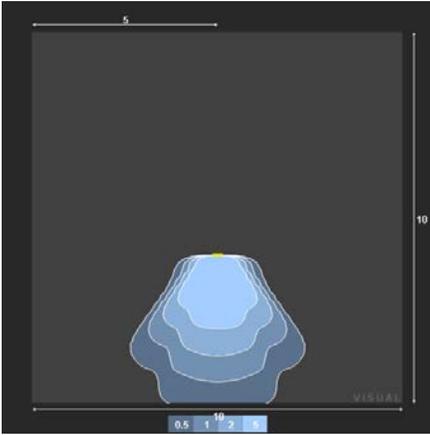
1. Only available with OLLWU and in DDB.
2. Only available with OLLWU.

OLLWD & OLLWU LED Wall Cylinder Light

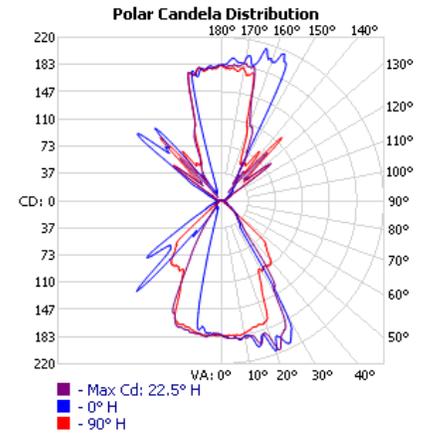
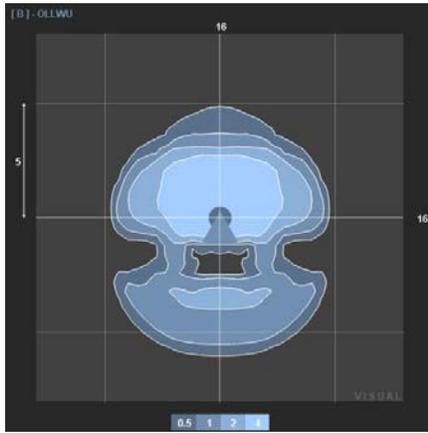
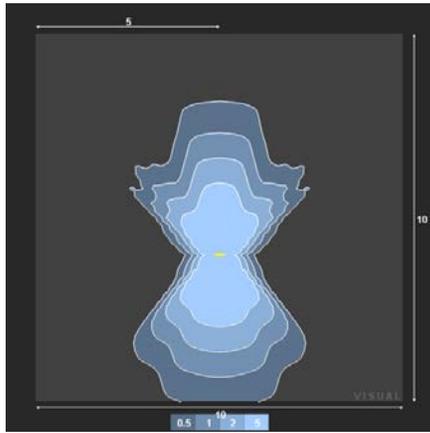
PHOTOMETRICS

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's Outdoor LED homepage
 Tested in accordance with IESNA LM-79 and LM-80 standards.

OLLWD



OLLWU



OLLWD

Lithonia Lighting

LED lighting facts®

A Program of the U.S. DOE

Light Output (Lumens) 533

Watts 9.1

Lumens per Watt (Efficacy) 58.63

Color Accuracy 70

Color Rendering Index (CRI)

Light Color 4000 (Bright White)

Correlated Color Temperature (CCT)

2700K 3000K 4500K 6500K

All results are according to IESNA LM-79-2008. Approved Method for the Electrical and Photometric Testing of Solid State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit www.lightingfacts.com for the Label Reference Guide.

Registration Number: NJSM-W81YMF (7/22/2018)
 Model Number: OLLWD LED P1 40K XXXXX XXX
 Type: Luminaire - Other

OLLWU

Lithonia Lighting

LED lighting facts®

A Program of the U.S. DOE

Light Output (Lumens) 947

Watts 14

Lumens per Watt (Efficacy) 67.64

Color Accuracy 70

Color Rendering Index (CRI)

Light Color 4000 (Bright White)

Correlated Color Temperature (CCT)

2700K 3000K 4500K 6500K

All results are according to IESNA LM-79-2008. Approved Method for the Electrical and Photometric Testing of Solid State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit www.lightingfacts.com for the Label Reference Guide.

Registration Number: NJSM-Y79M8B (7/22/2018)
 Model Number: OLLWU LED P1 40K XXXXX XXX
 Type: Luminaire - Other



CITY OF ROCKWALL

PLANNING AND ZONING COMMISSION CASE MEMO

PLANNING AND ZONING DEPARTMENT

385 S. GOLIAD STREET • ROCKWALL, TX 75087

PHONE: (972) 771-7745 • EMAIL: PLANNING@ROCKWALL.COM

TO: Planning and Zoning Commission
DATE: November 14, 2023
APPLICANT: James Belt and Bart Gardner; *Gardner Construction*
CASE NUMBER: SP2023-037; *Site Plan for Arms of America*

SUMMARY

Discuss and consider a request by Bart Gardner and James Belt of Gardner Construction on behalf of Corey Fleck of C2LA, LLC for the approval of a Site Plan for a *Light Industrial Building* on a 6.50-acre tract of land identified as Tracts 3-1, 3-2, 3-3 & 3-4 of the J. Lockhart Survey, Abstract No. 134 and Lots 1 & 2, Block A, Eastplex Inc. Park #2 Addition, City of Rockwall, Rockwall County, Texas, zoned Light Industrial (LI) District and Commercial (C) District, situated within the IH-30 Overlay (IH-30 OV) District and the SH-205 By-Pass Overlay (SH-205 BY-OV) District, generally located at the northwest corner of the intersection of the IH-30 Frontage Road and Enterprise Drive, and take any action necessary.

BACKGROUND

According to the Rockwall Central Appraisal District (RCAD) there is an 8,900 SF utility building on the subject property that was constructed in 1970. The subject property was annexed by the City Council on September 16, 1974 by *Ordinance No. 74-28 [Case No. A1974-008]*. Based on the City's historic zoning maps the subject property was rezoned from an Agricultural (AG) District to a Light Industrial (LI) District and Commercial (C) District at some point between September 16, 1974 and May 16, 1983. On April 18, 1983, the City Council approved two (2) final plats that established portions of the subject property as Lots 1 & 2, Block A, Eastplex Inc. Park #2 Addition.

PURPOSE

On October 20, 2023, the applicant -- *James Belt and Bart Gardner of Gardner Construction* -- submitted an application requesting the approval of a Site Plan for the purpose of constructing a light industrial building on the subject property.

ADJACENT LAND USES AND ACCESS

The subject property is generally located at the northwest corner of the intersection of the IH-30 Frontage Road and Enterprise Drive. The land uses adjacent to the subject property are as follows:

North: Directly north of the subject property is a vacant 25.7125-acre tract of land (*i.e. Tract 3 of the J. Lockhart Survey, Abstract No. 134*), zoned Light Industrial (LI) District and Commercial (C) District. Beyond this is Justin Road, which is classified as a A4D (*i.e. major arterial, four [4] lane, divided roadway*) on the City's Master Thoroughfare Plan contained in the OURHometown Vision 2040 Comprehensive Plan.

South: Directly south of the subject property is E. Interstate 30 [IH-30]. Beyond this is an 8.6860-acre parcel of land (*i.e. Lot 1 Block 1, Honda of Rockwall Addition*) developed with a *Car Dealership (i.e. Rockwall Honda)*, zoned Commercial (C) District.

East: Directly east of the subject property is a vacant 25.7125-acre tract of land (*i.e. Tract 3 of the J. Lockhart Survey, Abstract No. 134*), zoned Light Industrial (LI) District and Commercial (C) District. Beyond this is S. John King Boulevard, which is classified as a P6D (*i.e. principal arterial, six [6] lane, divided roadway*) on the City's Master Thoroughfare Plan contained in the OURHometown Vision 2040 Comprehensive Plan. Following this is a vacant

18.175-acre tract of land (i.e. *Tract 3-5 of the J. Lockhart Survey, Abstract No. 134*), zoned Light Industrial (LI) District and Commercial (C) District.

West: Directly west of the subject property is a vacant 37.487-acre tract of land (i.e. *Tract 3 of the A. Hanna Survey, Abstract No. 99*) and several properties developed with commercial and light industrial land uses (i.e. *House of Worship, Office/Warehouse, and Car Dealership*). All of these properties are zoned Light Industrial (LI) District.

DENSITY AND DIMENSIONAL REQUIREMENTS

According to Section 01, *Land Use Schedule*, of Article 04, *Permissible Uses*, of the Unified Development Code (UDC), an *Office/Warehouse Building* is permitted by-right in a Light Industrial (LI) District. The submitted site plan, landscape plan, photometric plan, and building elevations generally conform to the technical requirements contained within the Unified Development Code (UDC) for a property located within a Light Industrial (LI) District with the exception of the item(s) noted in the *VariANCES and EXCEPTIONS Requested by the Applicant* section of this case memo. A summary of the density and dimensional requirements for the subject property are as follows:

<i>Ordinance Provisions</i>	<i>Zoning District Standards</i>	<i>Conformance to the Standards</i>
<i>Minimum Lot Area</i>	12,500 SF	X=6.58-acres; In Conformance
<i>Minimum Lot Frontage</i>	100-Feet	X= 200-feet; In Conformance
<i>Minimum Lot Depth</i>	125-Feet	X=369.32-feet; In Conformance
<i>Minimum Front Yard Setback</i>	25-Feet	X>25-feet; In Conformance
<i>Minimum Rear Yard Setback</i>	10-Feet	X>10-feet; In Conformance
<i>Minimum Side Yard Setback</i>	15-Feet	X>15-feet; In Conformance
<i>Maximum Building Height</i>	60-Feet	X=29.75-feet; In Conformance
<i>Max Building/Lot Coverage</i>	60%	X=10.07%; In Conformance
<i>Minimum Number of Parking Spaces</i>	1 Parking Space/1000 SF (Warehouse)	X=28; In Conformance
	1 Parking Space/300SF (Office)	
	24 Required Parking Spaces	
<i>Minimum Landscaping Percentage</i>	15%	X>15%; In Conformance
<i>Maximum Impervious Coverage</i>	90-95%	X<90%; In Conformance

CONFORMANCE WITH THE CITY’S CODES

According to Subsection 05.02, *Light Industrial (LI) District*, of Article 05, *District Development Standards*, of the Unified Development Code (UDC), “(t)he Light Industrial (LI) District is a zoning district intended to create a limited industrial zone that provides for modern types of industrial land uses... Limitations have been placed on the uses in this district to significantly restrict outside activities and the storage of materials, noise, vibration, smoke, pollution, fire and explosive hazards, glare and any other potentially adverse externalities.” In this case, the applicant is proposing *Office/Warehouse Building*. In order to conform with the requirements of the *General Overlay District Standards* and the *General Industrial District Standards*, the applicant has indicated all work shall be done within the proposed building, there shall be no outside storage, and landscaping screening is provided in order to screen the bay doors. Based on staff’s review of the applicant’s project compared to the City’s codes, the request does appear to meet the City’s requirements with the exception of the variance(s) and exception(s) being requested as outlined in the *VariANCES and EXCEPTIONS Requested by the Applicant* section of this case memo.

VARIANCES AND EXCEPTIONS BY THE APPLICANT

As stated above, the applicant’s request conforms to the majority of the City’s codes; however, staff has identified the following variances and exception:

- (1) Architectural Standards.
 - (a) Four-Sided Architecture. According to Subsection 06.02(C)(5), of Article 05, of the *General Overlay District Development Standards* of the Unified Development Code (UDC), “(a)ll buildings shall be architecturally finished on all four (4) sides utilizing the same materials, detailing, articulation and features.” In this case, the proposed building does not meet the primary articulation requirements on all sides of the building. More specifically, the wall length

requirements are not met. This will require a *variance* from the Planning and Zoning Commission pending a recommendation from the Architectural Review Board (ARB).

- (b) Stone. According to Subsection 06.02(C)(1)(a)(1), *General Overlay District Standards*, of Article 05, *District Development Standards*, of the Unified Development Code (UDC), “(a) minimum of 20% natural or quarried stone is required on all building façades.” In this case the applicant has not met the 20.00% natural or quarried stone requirement. This will require a *variance* from the Planning and Zoning Commission.
- (c) Secondary Materials. According to Subsection 06.02(C)(1)(a)(1), *General Overlay District Standards*, of Article 05, *District Development Standards*, of the Unified Development Code (UDC), “(a) maximum of 10% Secondary Materials...” may be used on each building façade. In this case the applicant has exceed the 10.00% secondary material requirement. This will require a *variance* from the Planning and Zoning Commission.
- (d) Roof Design Standards. According to Section 05.01(A), *General Industrial District Standards*, of Article 05, *District Development Standards*, of the Unified Development Code (UDC), “(a)ll structures shall have the option of being constructed with either a pitched (*minimum of a 6:12 roof pitch*), parapet, or mansard roof system as long as the roof system is enclosed on all sides. In this case, the applicant is proposing a pitched roof with a slope of 3:12. This will require an *exception* from the Planning and Zoning Commission.

According to Subsection 09, *Exceptions and Variances*, of Article 11, *Development Applications and Review Procedures*, of the Unified Development Code (UDC), “...an applicant may request the Planning and Zoning Commission grant variances and exceptions to the provisions contained in the Unified Development Code (UDC), where unique or extraordinary conditions exist or where strict adherence to the technical requirements of the Unified Development Code (UDC) would create an undue hardship.” In addition, the code requires that the applicant provide compensatory measures that directly offset the requested variances and exceptions. The applicant has indicated the following as compensatory measures: [1] a shrub row along the west and north sides of the proposed building, and [2] continuing the stone wainscot along the east side of the proposed building. Staff should note that the Architectural Review Board (ARB) asked for compensatory measure #2 in order to bring the proposed building closer into conformance with the Unified Development Code (UDC), so this measure is not truly compensatory in nature. That being said, requests for exceptions and variances to the Unified Development Code (UDC) are discretionary decisions for the Planning and Zoning Commission. Staff should note that a supermajority vote (e.g. *six [6] out of the seven [7] commissioners*) -- with a minimum of four (4) votes in the affirmative -- is required for the approval of a variance or exception.

CONFORMANCE WITH OURHOMETOWN VISION 2040 COMPREHENSIVE PLAN

The Future Land Use Plan adopted with the OURHometown Vision 2040 Comprehensive Plan identifies the subject property as being situated in the IH-30 Corridor District. The IH-30 Corridor District is “approximately 55% developed, with the remaining 45% being vacant or raw land”. In this case the applicant is requesting to develop raw land that is identified as an opportunity zone within the IH-30 Corridor District, which is defined as land that is “...strategically placed or underutilized...that could be developed...with the highest and best use for the corridor.” In this case, the Future Land Use Map identifies the subject property for *Special Commercial Corridor* land uses, which does not include industrial land uses; however, the subject property is already zoned for Light Industrial (LI) District land uses. This means that while the proposed development does not conform to the OURHometown Vision 2040 Comprehensive Plan’s Future Land Use Map, the property’s zoning designation allows this development *by-right*. That being said, the proposed *Office/Warehouse Building* does not appear to be inconsistent or negatively impact the adjacent properties.

ARCHITECTURAL REVIEW BOARD (ARB) RECOMMENDATION

On November 1, 2023 the Architecture Review Board (ARB) reviewed the building elevations provided by the applicant. The ARB requested the applicant to continue the stone wainscot along the east elevation. The applicant has made the requested change, which will be reviewed by the ARB prior to the November 14, 2023 meeting.

CONDITIONS OF APPROVAL

If the Planning and Zoning Commission chooses to approve the applicant's Site Plan for the construction of *Light Industrial Building* on the *subject property*, then staff would propose the following conditions of approval:

- (1) All staff comments provided by the Planning, Engineering and Fire Department must be addressed prior to the submittal of engineering plans; and,
- (2) A photometric plan that conforms to the Unified Development Code (UDC) must be submit before Civil Engineering plans may be submit for review; and,
- (3) Any construction resulting from the approval of this Site Plan shall conform to the requirements set forth by the Unified Development Code (UDC), the International Building Code (IBC), the Rockwall Municipal Code of Ordinances, city adopted engineering and fire codes and with all other applicable regulatory requirements administered and/or enforced by the state and federal government.



DEVELOPMENT APPLICATION

City of Rockwall
Planning and Zoning Department
385 S. Goliad Street
Rockwall, Texas 75087

STAFF USE ONLY
PLANNING & ZONING CASE NO.

SP2023-037

NOTE: THE APPLICATION IS NOT CONSIDERED ACCEPTED BY THE CITY UNTIL THE PLANNING DIRECTOR AND CITY ENGINEER HAVE SIGNED BELOW.

DIRECTOR OF PLANNING:

CITY ENGINEER:

PLEASE CHECK THE APPROPRIATE BOX BELOW TO INDICATE THE TYPE OF DEVELOPMENT REQUEST (SELECT ONLY ONE BOX):

PLATTING APPLICATION FEES:

- MASTER PLAT (\$100.00 + \$15.00 ACRE)¹
- PRELIMINARY PLAT (\$200.00 + \$15.00 ACRE)¹
- FINAL PLAT (\$300.00 + \$20.00 ACRE)¹
- REPLAT (\$300.00 + \$20.00 ACRE)¹
- AMENDING OR MINOR PLAT (\$150.00)
- PLAT REINSTATEMENT REQUEST (\$100.00)

SITE PLAN APPLICATION FEES:

- SITE PLAN (\$250.00 + \$20.00 ACRE)¹
- AMENDED SITE PLAN/ELEVATIONS/LANDSCAPING PLAN (\$100.00)

ZONING APPLICATION FEES:

- ZONING CHANGE (\$200.00 + \$15.00 ACRE)¹
- SPECIFIC USE PERMIT (\$200.00 + \$15.00 ACRE)^{1&2}
- PD DEVELOPMENT PLANS (\$200.00 + \$15.00 ACRE)¹

OTHER APPLICATION FEES:

- TREE REMOVAL (\$75.00)
- VARIANCE REQUEST/SPECIAL EXCEPTIONS (\$100.00)²

NOTES:

¹: IN DETERMINING THE FEE, PLEASE USE THE EXACT ACREAGE WHEN MULTIPLYING BY THE PER ACRE AMOUNT. FOR REQUESTS ON LESS THAN ONE ACRE, ROUND UP TO ONE (1) ACRE.
²: A \$1,000.00 FEE WILL BE ADDED TO THE APPLICATION FEE FOR ANY REQUEST THAT INVOLVES CONSTRUCTION WITHOUT OR NOT IN COMPLIANCE TO AN APPROVED BUILDING PERMIT.

PROPERTY INFORMATION [PLEASE PRINT]

ADDRESS 1601 WINTERSTATE 30, ROCKWALL, TEXAS 75087

SUBDIVISION J LOCKHART

LOT A0134 BLOCK 3-2

GENERAL LOCATION JOHN KING 1/4 1-30 (NW CORNER)

ZONING, SITE PLAN AND PLATTING INFORMATION [PLEASE PRINT]

CURRENT ZONING C2

CURRENT USE VACANT

PROPOSED ZONING C2

PROPOSED USE

ACREAGE 6.5

LOTS [CURRENT] 5

LOTS [PROPOSED]

SITE PLANS AND PLATS: BY CHECKING THIS BOX YOU ACKNOWLEDGE THAT DUE TO THE PASSAGE OF HB3167 THE CITY NO LONGER HAS FLEXIBILITY WITH REGARD TO ITS APPROVAL PROCESS, AND FAILURE TO ADDRESS ANY OF STAFF'S COMMENTS BY THE DATE PROVIDED ON THE DEVELOPMENT CALENDAR WILL RESULT IN THE DENIAL OF YOUR CASE.

OWNER/APPLICANT/AGENT INFORMATION [PLEASE PRINT/CHECK THE PRIMARY CONTACT/ORIGINAL SIGNATURES ARE REQUIRED]

OWNER C2LA, LLC

APPLICANT GARDNER CONSTRUCTION

CONTACT PERSON CORBY FLECK

CONTACT PERSON BART GARDNER/JAMES BELT

ADDRESS 382 RANCH TRAIL

ADDRESS 15950 STATE HIGHWAY 205

CITY, STATE & ZIP ROCKWALL TX 75032

CITY, STATE & ZIP TERNELL TX 75160

PHONE 469-338-0262

PHONE 214-675-4435

E-MAIL CORY@ARASOFAMERICA.COM

E-MAIL BART@GARDNER-CONSTRUCTION.COM

NOTARY VERIFICATION [REQUIRED]

BEFORE ME, THE UNDERSIGNED AUTHORITY, ON THIS DAY PERSONALLY APPEARED James Belt [OWNER] THE UNDERSIGNED, WHO STATED THE INFORMATION ON THIS APPLICATION TO BE TRUE AND CERTIFIED THE FOLLOWING:

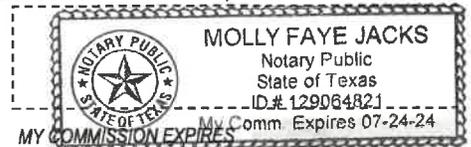
"I HEREBY CERTIFY THAT I AM THE OWNER FOR THE PURPOSE OF THIS APPLICATION; ALL INFORMATION SUBMITTED HEREIN IS TRUE AND CORRECT; AND THE APPLICATION FEE OF \$ 26 TO COVER THE COST OF THIS APPLICATION, HAS BEEN PAID TO THE CITY OF ROCKWALL ON THIS THE 26 DAY OF Sept, 2023 BY SIGNING THIS APPLICATION, I AGREE THAT THE CITY OF ROCKWALL (I.E. "CITY") IS AUTHORIZED AND PERMITTED TO PROVIDE INFORMATION CONTAINED WITHIN THIS APPLICATION TO THE PUBLIC. THE CITY IS ALSO AUTHORIZED AND PERMITTED TO REPRODUCE ANY COPYRIGHTED INFORMATION SUBMITTED IN CONJUNCTION WITH THIS APPLICATION, IF SUCH REPRODUCTION IS ASSOCIATED OR IN RESPONSE TO A REQUEST FOR PUBLIC INFORMATION."

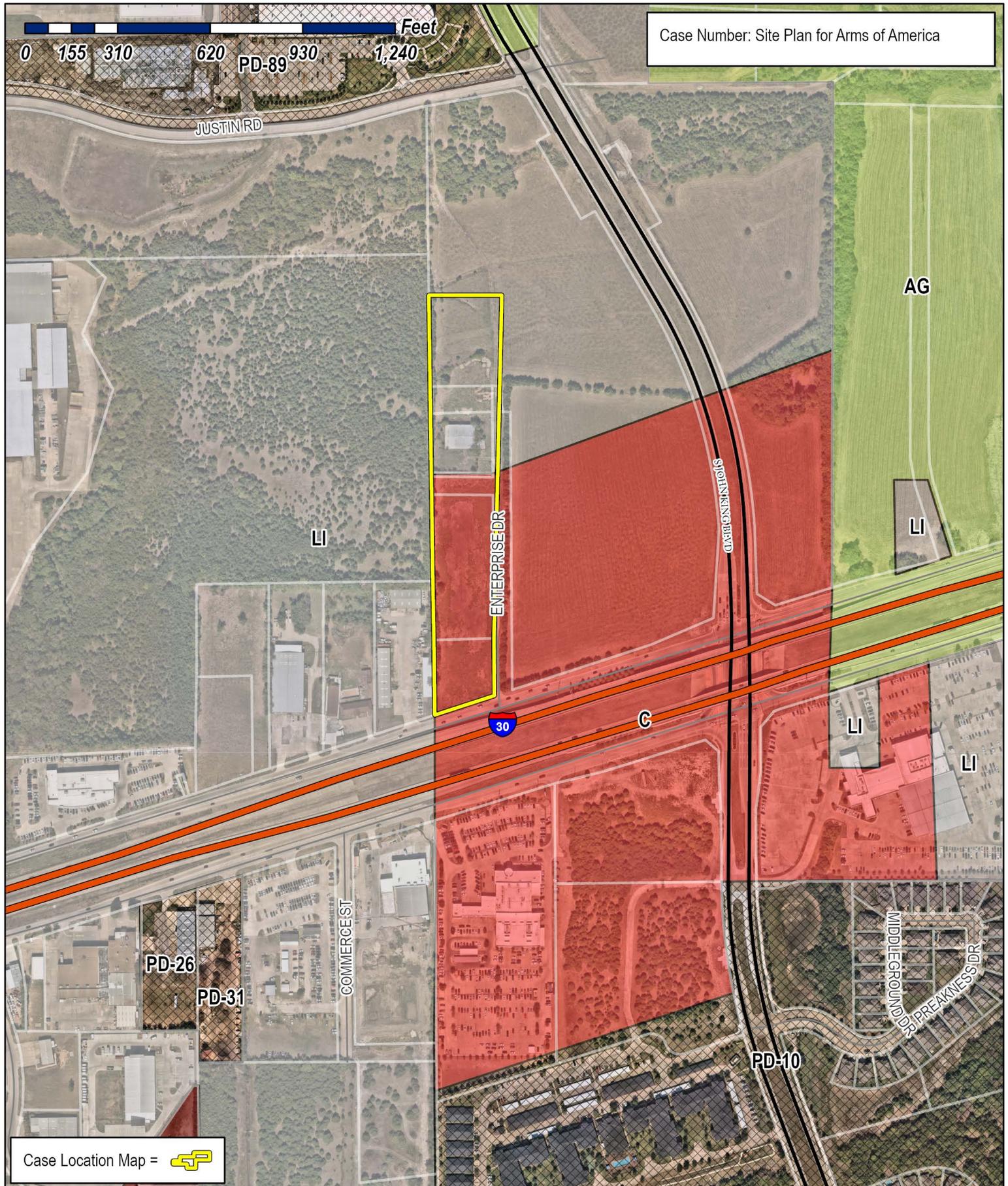
GIVEN UNDER MY HAND AND SEAL OF OFFICE ON THIS THE 26 DAY OF Sept, 2023

OWNER'S SIGNATURE

NOTARY PUBLIC IN AND FOR THE STATE OF TEXAS

[Signature]
Molly Faye Jacks





Case Number: Site Plan for Arms of America

Case Location Map = 



City of Rockwall

Planning & Zoning Department
 385 S. Goliad Street
 Rockwall, Texas 75087
 (P): (972) 771-7745
 (W): www.rockwall.com

The City of Rockwall GIS maps are continually under development and therefore subject to change without notice. While we endeavor to provide timely and accurate information, we make no guarantees. The City of Rockwall makes no warranty, express or implied, including warranties of merchantability and fitness for a particular purpose. Use of the information is the sole responsibility of the user.



DATE: 11/7/2023

PROJECT NUMBER: SP2023-037
PROJECT NAME: Site Plan for Arms of America
SITE ADDRESS/LOCATIONS: 1601 E INTERSTATE 30



VARIANCE LETTER/REQUEST

Mr. Lee,

Thank you for your assistance concerning the Arms of America development located at 1601 E Interstate 30. The following exception(s) & variance(s) are requested:

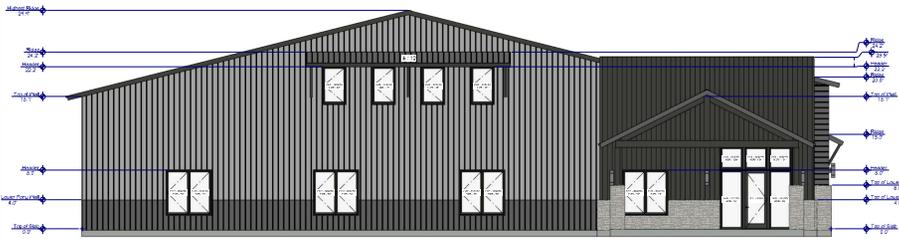
- [1] 20% stone
- [2] 90% masonry material
- [3] primary articulation
- [4] roof pitch

Per the Unified Development Code (Subsection 09.01, of Article 11), the following compensatory measures will be utilized:

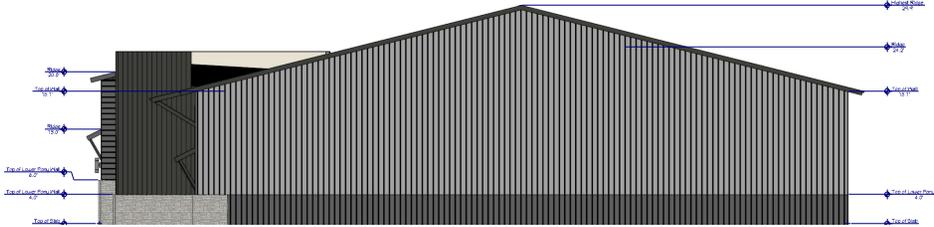
- [1] providing a row of landscaping, composed of evergreen shrubs and accent trees, along the west and north sides of the proposed building
- [2] continue the stone wainscot along the east side of the building

Thank you,

James Belt
Gardner Construction
214.478.0240



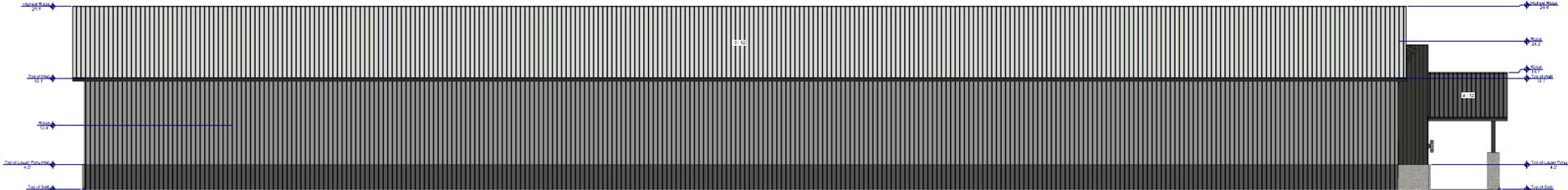
Exterior Elevation Front
 ELEVATION MATERIALS (EXCLUDING ROOF AND DOORS & WINDOWS):
 95% METAL
 5% STONE



Exterior Elevation Back
 ELEVATION MATERIALS (EXCLUDING ROOF AND DOORS & WINDOWS):
 96% METAL
 4% STONE



Exterior Elevation Right
 ELEVATION MATERIALS (EXCLUDING ROOF AND DOORS & WINDOWS):
 77% METAL
 23% STONE



Exterior Elevation Left
 ELEVATION MATERIALS (EXCLUDING ROOF AND DOORS & WINDOWS):
 99% METAL
 1% STONE

SCALE: 1/8" = 1'

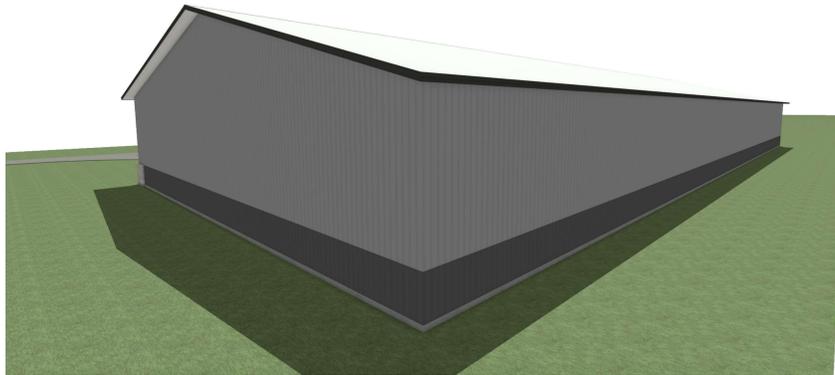
EXTERIOR MATERIALS:	
SOFFIT:	METAL
SIDING:	R PANEL
ACCENT SIDING:	R PANEL
ROOF:	R PANEL
ROOF/ANNINGS:	R PANEL
PORCH POSTS:	8" METAL COLUMNS, BLACK
POST BASES (IF APPLICABLE):	CHOPPED LEUDER POST BASES
(SEE STYLE SHEET FOR ADDITIONAL INFO.)	



FRONT-LEFT



FRONT-RIGHT



BACK-LEFT



BACK-RIGHT

GENERAL NOTES:

THE BUILDER SHALL VERIFY THAT SITE CONDITIONS ARE CONSISTENT WITH THESE PLANS BEFORE STARTING WORK. WORK NOT SPECIFICALLY DETAILED SHALL BE CONSTRUCTED TO THE SAME QUALITY AS SHOWN WORK THAT IS DETAILED. ALL WORK SHALL BE DONE IN ACCORDANCE WITH INTERNATIONAL BUILDING CODES AND LOCAL CODES.

WRITTEN DIMENSIONS AND SPECIFIC NOTES SHALL TAKE PRECEDENCE OVER SCALED DIMENSIONS AND GENERAL NOTES. THE ENGINEER/DESIGNER SHALL BE CONSULTED FOR CLARIFICATION IF SITE CONDITIONS ARE ENCOUNTERED THAT ARE DIFFERENT THAN SHOWN. DISCREPANCIES ARE FOUND IN THE PLANS OR NOTES, OR IF A DISCREPANCY EXISTS OVER THE INTENT OF THE PLANS OR NOTES, CONTRACTOR SHALL VERIFY AND IS RESPONSIBLE FOR ALL DIMENSIONS (INCLUDING ROUGH OPENINGS).

PLEASE SEE ADDITIONAL NOTES CALLED OUT ON OTHER SHEETS.

BUILDING PERFORMANCE:

HEAT LOSS CALCULATIONS SHALL COMPLY WITH THE REQUIREMENTS OF REGIONAL AND LOCAL CODES. SEE CALCULATIONS, PURCHASE DESIGNS, FOUNDATION, FIREPLACE ENCLOSURES, AND GARAGE AREAS NOT INCLUDED IN LIVING AREA. ALL EXHAUST FANS TO BE INSTALLED DIRECTLY TO THE EXTERIOR. ALL PENETRATIONS OF THE BUILDING ENVELOPE SHALL BE SEALED WITH CAULK OR FDM.

Layout Page Table

Number	Title
1	PROJECT OVERVIEW
2	ELEVATIONS
3	SCHEDULES & STYLE
4	FOUNDATION/ROUGH-IN PLAN
5	ROOF PLAN - 1F
6	FRAMING PLAN - 1F

TOTAL OFFICE HEATED SF:	1853 SF
TOTAL SLAB SF:	20,273 SF (INCLUDES SHEET/STONE LEDGE)
TOTAL PORCHES UNDER ROOF:	317 SF
TOTAL WAREHOUSE:	18,103 SF
TOTAL UNDER ROOF SF:	20,273 SF

Revision Table			
Label	Date	Revised By	Description
REV 01	11/12/2021	AJH	INITIAL PLAN DEVELOPMENT
REV 03	10/2/2023	AJH	BUILDING & SITE PLAN UPDATES
REV 04	10/31/2023	AJH	ADD STONE PONY WALL TO RIGHT EL WALL. REMOVED SIGNAGE

-INTERIOR & EXTERIOR 3D MODEL AVAILABLE (AS NEEDED) UPON REQUEST
 -2D ELECTRONIC CAD FILE AVAILABLE (LOW, 2D) UPON REQUEST
 -PLEASE REQUEST EITHER HOMEOWNER OR VA DESIGNER CONTACT INFO

To the best of my knowledge these plans are drawn to comply with owner's and/or builder's specifications and any changes made on them after prints are made will be done at the owner's and/or builder's expense and responsibility. The contractor shall verify all dimensions and enclosed drawing. Hamilton Handcrafts/Abide Home Designs is not liable for errors once construction has begun. While every effort has been made in the preparation of this plan to avoid mistakes, the maker can not guarantee against human error. The contractor of the job must check all dimensions and other details prior to construction and be solely responsible therefor.

BUILDING CONTRACTOR/HOME OWNER TO REVIEW AND VERIFY ALL DIMENSIONS, SPECS, LOCAL CODES, BUILDER REQUIREMENTS & CONNECTIONS BEFORE CONSTRUCTION BEGINS.

MIN. CODE RECOMMENDATIONS:
 ELECTRICAL SYSTEM CODE: SEC.2701
 MECHANICAL SYSTEM CODE: SEC.2801
 PLUMBING SYSTEM CODE: SEC.2901
 (CONSULT LOCAL CITY BUILDING REQUIREMENTS)

REV 04

HOME DESIGNED BY:
 AARON HAMILTON
 ABIDE HOME DESIGNS
 ROYSE CITY, TX / 917-593-0454
 AARON@ABIDEHOMEDESIGNS.COM

PROJECT
 OVERVIEW

ARMS OF AMERICA
 ENTERPRISE DR
 ROCKWALL, TX



DATE:

10/31/2023

SCALE:

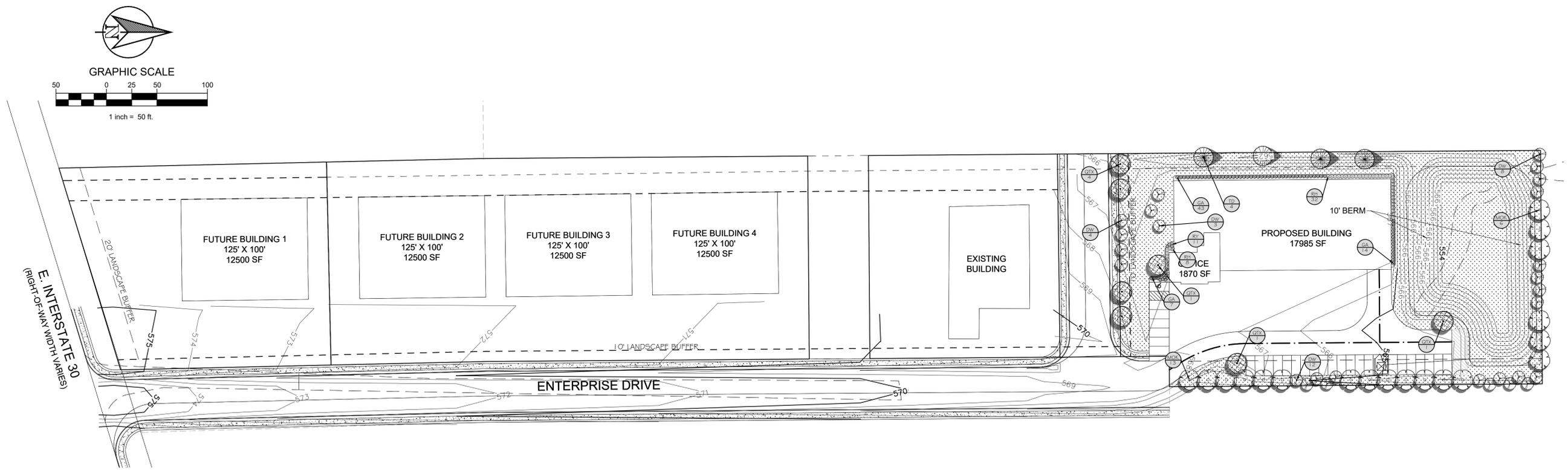
1/8"=1'

SHEET:

1

Date	Comment

Project Number
Date
Drawn By
Checked By



PLANT SCHEDULE

TREES	CODE	COMMON / BOTANICAL NAME	SIZE	CONTAINER	QTY
	DW	Desert Willow / <i>Chilopsis linearis</i> min. 4' ht; buffer tree	CONT.	PER HT.	23
	MOK	Monterey Oak / <i>Quercus polymorpha</i> 'Monterey' min. 1.4' ht; mitigation tree	CONT.	4"Cal	19
	QTX	Shumard Oak / <i>Quercus shumardii</i> mitigation tree	CONT.	4"Cal	3
	TD	Bald Cypress / <i>Taxodium distichum</i> min. 6' ht.; street tree	CONT.	4"Cal	4
SHRUBS	CODE	COMMON / BOTANICAL NAME	SIZE	QTY	
	GA	Glossy Abelia / <i>Abelia grandiflora</i> 36" o.c.	5 gal	64	
	RY	Red Yucca / <i>Hesperaloe parviflora</i> 30" o.c.	5 gal	11	
	RH	Indian Hawthorn / <i>Raphiolepis indica</i> 'Snow' 36" o.c.	5 gal	40	
GROUND COVERS	CODE	COMMON / BOTANICAL NAME	SIZE	QTY	
	CD	Bermuda Grass / <i>Cynodon dactylon</i> 'tif 419'	sod	45,938 sf	

GENERAL GRADING AND PLANTING NOTES

- BY SUBMITTING A PROPOSAL FOR THE LANDSCAPE PLANTING SCOPE OF WORK, THE CONTRACTOR CONFIRMS THAT HE HAS READ, AND WILL COMPLY WITH, THE ASSOCIATED NOTES, SPECIFICATIONS, AND DETAILS WITH THIS PROJECT.
- THE GENERAL CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL EXISTING VEGETATION (EXCEPT WHERE NOTED TO REMAIN).
- IN THE CONTEXT OF THESE PLANS, NOTES, AND SPECIFICATIONS, "FINISH GRADE" REFERS TO THE FINAL ELEVATION OF THE SOIL SURFACE (NOT TOP OF MULCH) AS INDICATED ON THE GRADING PLANS.
 - BEFORE STARTING WORK, THE LANDSCAPE CONTRACTOR SHALL VERIFY THAT THE ROUGH GRADES OF ALL LANDSCAPE AREAS ARE WITHIN +/-0.1' OF FINISH GRADE. SEE SPECIFICATIONS FOR MORE DETAILED INSTRUCTION ON TURF AREA AND PLANTING BED PREPARATION.
 - CONSTRUCT AND MAINTAIN FINISH GRADES AS SHOWN ON GRADING PLANS, AND CONSTRUCT AND MAINTAIN SLOPES AS RECOMMENDED BY THE GEOTECHNICAL REPORT. ALL LANDSCAPE AREAS SHALL HAVE POSITIVE DRAINAGE AWAY FROM STRUCTURES AT THE MINIMUM SLOPE SPECIFIED IN THE REPORT AND ON THE GRADING PLANS, AND AREAS OF POTENTIAL PONDING SHALL BE REGRADED TO BLEND IN WITH THE SURROUNDING GRADES AND ELIMINATE PONDING POTENTIAL.
 - THE LANDSCAPE CONTRACTOR SHALL DETERMINE WHETHER OR NOT THE EXPORT OF ANY SOIL WILL BE NEEDED, TAKING INTO ACCOUNT THE ROUGH GRADE PROVIDED, THE AMOUNT OF SOIL AMENDMENTS TO BE ADDED (BASED ON A SOIL TEST, PER SPECIFICATIONS), AND THE FINISH GRADES TO BE ESTABLISHED.
 - AFTER INSTALLING SOIL AMENDMENTS IN SHRUB AREAS, AND IN ORDER TO ALLOW FOR PROPER MULCH DEPTH, ENSURE THAT THE FINISH GRADE IMMEDIATELY ADJACENT TO WALKS AND OTHER WALKING SURFACES IS 3" BELOW FINISH GRADE, TAPERING TO MEET FINISH GRADE AT APPROXIMATELY 18" AWAY FROM THE SURFACE.
 - AFTER INSTALLING SOIL AMENDMENTS IN TURF AREAS, ENSURE THAT THE FINISH GRADE IN TURF AREAS IMMEDIATELY ADJACENT TO WALKS AND OTHER WALKING SURFACES IS 1" BELOW FINISH GRADE, TAPERING TO MEET FINISH GRADE AT APPROXIMATELY 18" AWAY FROM THE SURFACE.
 - SHOULD ANY CONFLICTS AND/OR DISCREPANCIES ARISE BETWEEN THE GRADING PLANS, GEOTECHNICAL REPORT, THESE NOTES AND PLANS, AND ACTUAL CONDITIONS, THE CONTRACTOR SHALL IMMEDIATELY BRING SUCH ITEMS TO THE ATTENTION OF THE LANDSCAPE ARCHITECT, GENERAL CONTRACTOR, AND OWNER.
- ALL PLANT LOCATIONS ARE DIAGRAMMATIC. ACTUAL LOCATIONS SHALL BE VERIFIED WITH THE LANDSCAPE ARCHITECT OR DESIGNER PRIOR TO PLANTING. THE LANDSCAPE CONTRACTOR SHALL ENSURE THAT ALL REQUIREMENTS OF THE PERMITTING AUTHORITY ARE MET (I.E., MINIMUM PLANT QUANTITIES, PLANTING METHODS, TREE PROTECTION METHODS, ETC.).
 - THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR DETERMINING PLANT QUANTITIES; PLANT QUANTITIES SHOWN ON LEGENDS AND CALLOUTS ARE FOR GENERAL INFORMATION ONLY. IN THE EVENT OF A DISCREPANCY BETWEEN THE PLAN AND THE PLANT LEGEND, THE PLANT QUANTITY AS SHOWN ON THE PLAN (FOR INDIVIDUAL SYMBOLS) OR CALLOUT (FOR GROUNDCOVER PATTERNS) SHALL TAKE PRECEDENCE.
 - NO SUBSTITUTIONS OF PLANT MATERIALS SHALL BE ALLOWED WITHOUT THE WRITTEN PERMISSION OF THE LANDSCAPE ARCHITECT.** IF SOME OF THE PLANTS ARE NOT AVAILABLE, THE LANDSCAPE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT IN WRITING (VIA PROPER CHANNELS).
 - THE CONTRACTOR SHALL, AT A MINIMUM, PROVIDE REPRESENTATIVE PHOTOS OF ALL PLANTS PROPOSED FOR THE PROJECT. THE CONTRACTOR SHALL ALLOW THE LANDSCAPE ARCHITECT AND THE OWNER/OWNER'S REPRESENTATIVE TO INSPECT, AND APPROVE OR REJECT, ALL PLANTS DELIVERED TO THE JOBSITE. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS FOR SUBMITTALS.
- THE CONTRACTOR SHALL MAINTAIN THE LANDSCAPE IN A HEALTHY CONDITION FOR 90 DAYS AFTER ACCEPTANCE BY THE OWNER. REFER TO SPECIFICATIONS FOR CONDITIONS OF ACCEPTANCE FOR THE START OF THE MAINTENANCE PERIOD, AND FOR FINAL ACCEPTANCE AT THE END OF THE MAINTENANCE PERIOD.
- APPLY HYDROMULCH FOR ALL DISTURBED LANDSCAPE AREAS OUTSIDE PROPERTY LIMITS.
- SEE SPECIFICATIONS AND DETAILS FOR FURTHER REQUIREMENTS.

LANDSCAPE STANDARDS

05.01 LANDSCAPE BUFFERS - NON-RESIDENTIAL	
ENTERPRISE DR.: #365' STREET FRONTAGE	20' WIDE BUFFER REQ. W/ 3 CANOPY + 4 ACCENT TREE PER 100 LIN. FT. OF FRONTAGE; GROUND COVER, BUILT-UP BERM AND SHRUBBERY ALONG ENTIRE FRONTAGE, 30" HIGH, MIN. 13 CANOPY TREES, 12 ACCENT TREES, W/ SHRUBS 13 NEW CANOPY TREES, 12 ACCENT TREES
REQUIRED PLANTING: PROVIDED 30' BUFFER:	
WEST PROPERTY LINE BUFFER:	NOT REQUIRED. PROPERTY ZONED COMMERCIAL (C)
05.02 LANDSCAPE SCREENING	
REQ. HEADLIGHT SCREENING	HEAD-IN PARKING ADJ. TO STREET SHALL INCORP. MIN. 2' BERM W/ MATURE EVERGREEN SHRUBS ALONG ENTIRE PARKING AREAS N/A N/A
PROVIDED SCREENING SCREENING FROM RESIDENTIAL	N/A N/A
05.03 LANDSCAPE REQUIREMENTS - COMMERCIAL (C) DISTRICT	
TOTAL SITE AREA:	144,251 SF
LANDSCAPE AREA REQUIRED TOTAL SITE:	28,850 SF (20%)
LANDSCAPE PROVIDED, TOTAL SITE:	±29,121 SF
LOCATION OF LANDSCAPING:	MIN. 50% OF REQ. LANDSCAPING SHALL BE LOCATED IN THE FRONT OF & ALONG THE SIDE OF BUILDINGS W/ STREET FRONTAGE.
LANDSCAPE AREAS IN FRONT & SIDES OF BUILDINGS:	102,608 SF (17.4%)
MIN. SIZE OF AREAS:	ALL REQ. LANDSCAPING SHALL BE NO LESS THAN 5' WIDE AND A MIN. OF 25 SF IN AREA
PARKING LOT LANDSCAPING	MIN. 5% OR 200 SF OF LANDSCAPING, WHICHEVER IS GREATER, IN THE INTERIOR OF PARKING LOT AREA.
PROPOSED PARKING AREA: REQ. PARKING LOT LANDSCAPING:	±6,400 SF ±320 SF (6,400 x 5%) AND (1) LG. CANOPY TREE FOR EVERY 10 PARKING SPACES INTERNAL TO PARKING AREAS (PARKING AREA OVER 20,000 SF) REQ. PARKING SPACES MUST BE WITHIN 80' OF A CANOPY TREE TRUNK
PROPOSED PARKING LOT LANDSCAPING:	±1,200 SF 28 PARKING SPACES / 10 = 28 (3) TREES
TREES PROVIDED:	3 CANOPY TREES

SITE DATA:

TOTAL SITE AREA =	6.58 AC/ 2,86,656 SF
TOTAL GREEN SPACE / LANDSCAPE AREA =	5.14 AC
NO. OF PROPOSED BUILDINGS =	1
PARKING DIMENSIONS =	9' X 20'

PLANTING AND IRRIGATION GUARANTEE

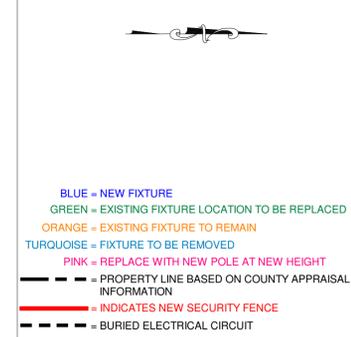
THE LANDSCAPE CONTRACTOR SHALL GUARANTEE THAT ALL NEWLY INSTALLED AND EXISTING PLANTS SHALL SURVIVE FOR ONE YEAR AFTER FINAL OWNER ACCEPTANCE OF THE INSTALLATION WORK. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR APPROPRIATE WATERING OF THE LANDSCAPE THROUGH INSTALLATION OF A PROPERLY DESIGNED IRRIGATION SYSTEM. THE OWNER SHALL APPROVE THE SYSTEM DESIGN BEFORE INSTALLATION OF PLANTS OR IRRIGATION.

MULCHES

AFTER ALL PLANTING IS COMPLETE, CONTRACTOR SHALL INSTALL 3" THICK LAYER OF 1-1/2" SHREDDED WOOD MULCH, NATURAL (UNDYED), IN ALL PLANTING AREAS (EXCEPT FOR TURF AND SEEDING AREAS). CONTRACTOR SHALL SUBMIT SAMPLES OF ALL MULCHES TO LANDSCAPE ARCHITECT AND OWNER FOR APPROVAL PRIOR TO CONSTRUCTION. ABSOLUTELY NO EXPOSED GROUND SHALL BE LEFT SHOWING ANYWHERE ON THE PROJECT AFTER MULCH HAS BEEN INSTALLED (SUBJECT TO THE CONDITIONS AND REQUIREMENTS OF THE "GENERAL GRADING AND PLANTING NOTES" AND SPECIFICATIONS).

ROOT BARRIERS

THE CONTRACTOR SHALL INSTALL ROOT BARRIERS NEAR ALL NEWLY-PLANTED TREES THAT ARE LOCATED WITHIN FIVE (5) FEET OF PAVING OR CURBS. ROOT BARRIERS SHALL BE "CENTURY" OR "DEEP-ROOT" 24" DEEP PANELS (OR EQUAL). BARRIERS SHALL BE LOCATED IMMEDIATELY ADJACENT TO HARDSCAPE. INSTALL PANELS PER MANUFACTURER'S RECOMMENDATIONS. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR USE ROOT BARRIERS OF A TYPE THAT COMPLETELY ENCIRCLE THE ROOTBALL.



SCALE: 3/64" = 1'-0"
V2 231107

REVISION NO.	DESCRIPTION	REVISED BY

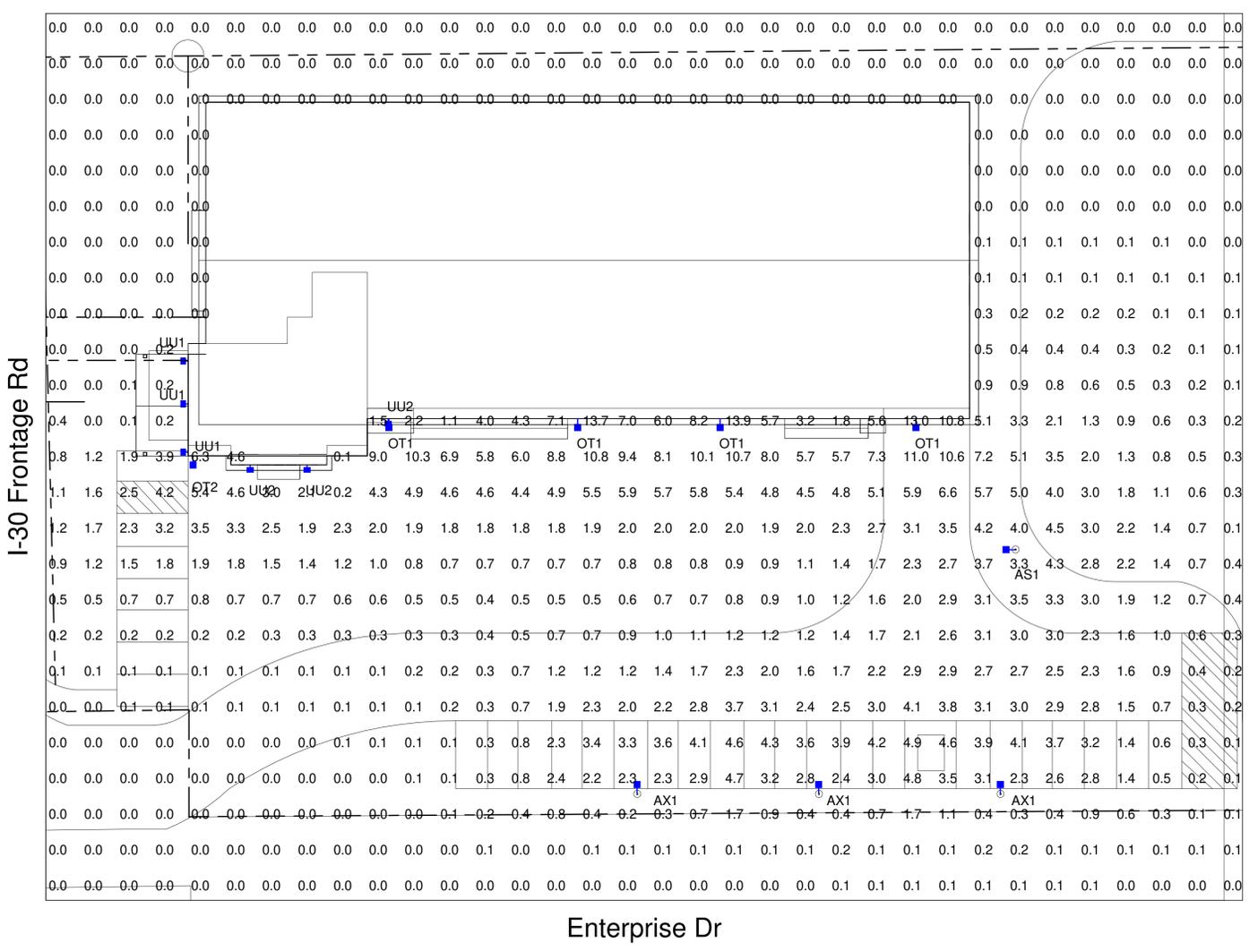


Rockwall - 1601 E I30
1601 E I30,
Rockwall, TX 75087

FULL SITE PHOTOMETRICS PLAN

DESIGNED BY:	CAS	DRAWN BY:	CAS
REVIEWED BY:	AWD	APPROVED BY:	KRM
SHEET NO.	LU-4		

THIS LIGHTING PLAN ILLUSTRATES ILLUMINATE LEVELS CALCULATED FROM LABORATORY DATA UNDER CONTROLLED CONDITIONS IN ACCORDANCE WITH ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICAN (IESNA) APPROVED METHODS. ACTUAL SITE ILLUMINATION LEVELS AND PERFORMANCE OF LUMINAIRES MAY VARY DUE TO VARIATIONS IN WEATHER, ELECTRICAL VOLTAGE, TOLERANCE IN LAMPS AND OTHER RELATED VARIABLE FIELD CONDITIONS.



- NOTES:
1. THE SCOPE OF WORK FOR THIS PROJECT IS LIMITED TO EXTERIOR LIGHTING RENOVATIONS AS SHOWN ON THE PLANS.
 2. ALL PROPOSED LIGHTS WILL BE FULL CUTOFF LED LIGHT FIXTURES.
 3. ALL EXISTING LIGHTS WILL BE REPLACED WITH FULL CUT OFF LED LIGHT FIXTURES.
 4. REFERENCE THE LUMINAIRE SCHEDULE (SHEET LU-2) FOR ADDITIONAL LIGHT FIXTURE INFORMATION.

CALCULATION SUMMARY FULL SITE					
Calculation Points Name	Average	Maximum	Minimum	Ave/Min	Max/Min
FULL SITE @ GRADE	1.3 fc	13.9 fc	0.0 fc	0.0 fc	0.0 fc
PARKING LOT @ 60" V	1.8 fc	13.9 fc	0.1 fc	12.5 fc	94.6 fc
PARKING LOT @ GRADE	2.5 fc	12.0 fc	0.0 fc	0.0 fc	0.0 fc
PROPERTY LINE @ GRADE	0.1 fc	0.2 fc	0.0 fc	0.0 fc	0.0 fc

THE EDGE® Series TYPE AS

LED Area/Flood Luminaire

Rev. Date: V11 09/07/2021

Product Description

THE EDGE® Series has a slim, low profile design. Its rugged cast aluminum housing minimizes wind load requirements and features an integral, weathertight LED driver compartment and high performance aluminum heat sinks. Various mounting choices: Adjustable Arm, Direct Arm, Direct Arm Long, or Side Arm (details on page 2). Includes a leaf/debris guard.

Applications: Parking lots, walkways, campuses, car dealerships, office complexes, and internal roadways

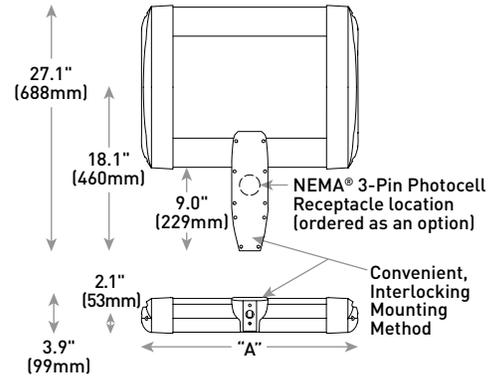
GC TO VERIFY THAT FIXTURES CAN BE MOUNTED PER PLAN AND ALL NECESSARY HARDWARE IS SPECIFIED FOR INSTALLATION PRIOR TO PURCHASING

Performance Summary

- Patented NanoOptic® Product Technology
- Assembled in the U.S.A. of U.S. and imported parts
- CRI:** Minimum 70 CRI (4000K & 5700K); 80 CRI (3000K); 90 CRI (5000K)
- CCT:** Turtle Friendly Amber, 3000K (+/- 300K), 4000K (+/- 300K), 5000K (+/- 500K), 5700K (+/- 500K) standard
- Limited Warranty*:** 10 years on luminaire/10 years on Colorfast DeltaGuard® finish /1 year on accessories

*See <http://creelighting.com/warranty> for warranty terms

DA Mount **GC TO SEE NOTES BELOW**



Accessories

Field-Installed	
Bird Spikes XA-BRDSPK	Backlight Control Shields XA-20BLS-4 - Four-pack - Unpainted stainless steel
Hand-Held Remote XA-SENSREM - For successful implementation of the programmable multi-level option, a minimum of one hand-held remote is required	Shorting Cap XA-XLSHRT
	NEMA® 3-Pin Photocell C-ACC-A-PCCELL-NEMA3-LV - On/off functionality only - Available with UL voltage only

GC TO VERIFY AND SPECIFY IF NOT UL **GC TO REFERENCE PLANS FOR COLOR DESIGNATION**

LED Count (x10)	Dim. "A"	Weight
02	12.1" (306mm)	21 lbs. (10kg)
04	12.1" (306mm)	24 lbs. (11kg)
06	14.1" (357mm)	27 lbs. (12kg)
08	16.1" (408mm)	28 lbs. (13kg)
10	18.1" (459mm)	32 lbs. (15kg)
12	20.1" (510mm)	34 lbs. (15kg)
14	22.1" (560mm)	37 lbs. (17kg)
16	24.1" (611mm)	41 lbs. (19kg)

AA/DL/SA Mount - see page 22 for weight & dimensions

Ordering Information

Example: ARE-EDG-2M-AA-12-E-UL-SV-350

Product	Optic	Mounting*	LED Count (x10)	Series	Voltage	Color Options	Drive Current	Options			
ARE-EDG	2M Type II Medium	3MB Type III Medium w/BLS	4MP Type IV Medium w/Partial BLS	AA Adjustable Arm	02	E	UL Universal 120-277V	BK Black	350 350mA	DIM 0-10V Dimming - Control by others - Refer to Dimming spec sheet for details - Can't exceed specified drive current - Not available with PML options F Fuse - Compatible only with 120V, 277V or 347V (phase to neutral) - Consult factory if fusing is required for 208V, 240V or 480V (phase to phase) - Refer to PML spec sheet for availability with PML options - When code dictates fusing, use time delay fuse HL Hi/Low (Dual Circuit Input) - Refer to HL spec sheet for details - Sensor not included P Photocell - Refer to PML spec sheet for availability with PML options - Available with UL voltage only PML Programmable Multi-Level, 20-40' Mounting Height - Refer to PML spec sheet for details - Intended for downlight applications at 0° tilt PML2 Programmable Multi-Level, 10-30' Mounting Height - Refer to PML spec sheet for details - Intended for downlight applications at 0° tilt R NEMA® 3-Pin Photocell Receptacle - 3-pin receptacle per ANSI C136.10 - Not available with SA mount - Intended for downlight applications with maximum 45° tilt - Requires photocell or shorting cap by others - Refer to PML spec sheet for availability with PML options 30K 3000K Color Temperature - Minimum 80 CRI - Color temperature per luminaire 40K 4000K Color Temperature - Minimum 70 CRI - Color temperature per luminaire 50K 5000K Color Temperature - Minimum 90 CRI - Color temperature per luminaire TRL Amber Turtle Friendly LEDs - Available only with 350mA - 600nm dominant wavelength - Additional shielding (by others) may be required for Florida Fish and Wildlife Conservation Commission compliance	
					04						525mA
	06	525mA									
	08	700									
	10	700mA									
	12	- Available with 20-60 LEDs									
	14										
	16										
	FLD-EDG	25 25° Flood	70 70° Flood	N6 NEMA® 6	AA Adjustable Arm	40	E	UL	SN Silver		350
40 40° Flood		SN Sign	SA Side Arm - Available with 20-60 LEDs	40	E	UL	WH White	350			
									40	350mA	

* Reference EPA and pole configuration suitability data beginning on page 19



US: creelighting.com (800) 236-6800
Canada: creelighting-canada.com (800) 473-1234



Product Specifications

CONSTRUCTION & MATERIALS

- Slim, low profile, minimizing wind load requirements
- Luminaire sides are rugged die cast aluminum with integral, weathertight LED driver compartment and high performance heat sinks
- DA and DL mount utilizes convenient interlocking mounting method. Mounting is rugged die cast aluminum, mounts to 3-6" (76-152mm) square or round pole and secures to pole with 5/16-18 UNC bolts spaced on 2" (51mm) centers
- AA and SA mounts are rugged die cast aluminum and mount to 2" (51mm) IP, 2.375" (60mm) O.D. tenons
- Includes leaf/debris guard
- Exclusive Colorfast DeltaGuard® finish features an E-Coat epoxy primer with an ultra-durable powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation and abrasion. Black, bronze, silver, and white are available
- **Weight:** See Dimensions and Weight Charts on pages 1 and 22

ELECTRICAL SYSTEM

- **Input Voltage:** 120-277V or 347-480V, 50/60Hz, Class 1 drivers
- **Power Factor:** > 0.9 at full load
- **Total Harmonic Distortion:** < 20% at full load
- DA and DL mounts designed with integral weathertight electrical box with terminal strips (12Ga-20Ga) for easy power hookup
- Integral 10kV surge suppression protection standard
- When code dictates fusing, a slow blow fuse or type C/D breaker should be used to address inrush current
- **Maximum 10V Source Current:** 20 LED (350mA): 10mA; 20 LED (525 & 700mA) and 40-80 LED: 0.15mA; 100-160 LED: 0.30mA

REGULATORY & VOLUNTARY QUALIFICATIONS

- cULus Listed
- Suitable for wet locations
- Enclosure rated IP66 per IEC 60529 when ordered without P or R options
- Consult factory for CE Certified products
- Certified to ANSI C136.31-2001, 3G bridge and overpass vibration standards when ordered with AA, DA and DL mounts
- ANSI C136.2 10kV surge protection, tested in accordance with IEEE/ANSI C62.41.2
- Meets FCC Part 15, Subpart B, Class A limits for conducted and radiated emissions
- Luminaire and finish endurance tested to withstand 5,000 hours of elevated ambient salt fog conditions as defined in ASTM Standard B 117
- DLC qualified with select SKUs. Refer to <https://www.designlights.org/search/> for most current information
- Meets Buy American requirements within ARRA
- **CA RESIDENTS WARNING:** Cancer and Reproductive Harm – www.p65warnings.ca.gov

Electrical Data*								
LED Count (x10)	CCT	System Watts 120-480V	Total Current (A)					
			120V	208V	240V	277V	347V	480V
350mA								
02	30K/40K/50K/57K	25	0.21	0.13	0.11	0.10	0.08	0.07
	TRL	19	0.16	0.09	0.08	0.07	0.05	0.04
04	30K/40K/50K/57K	46	0.36	0.23	0.21	0.20	0.15	0.12
	TRL	35	0.29	0.17	0.15	0.13	0.10	0.07
06	30K/40K/50K/57K	66	0.52	0.31	0.28	0.26	0.20	0.15
	TRL	50	0.41	0.24	0.21	0.18	0.14	0.10
08	30K/40K/50K/57K	90	0.75	0.44	0.38	0.34	0.26	0.20
	TRL	68	0.57	0.33	0.28	0.25	0.20	0.14
10	30K/40K/50K/57K	110	0.92	0.53	0.47	0.41	0.32	0.24
	TRL	83	0.69	0.40	0.35	0.30	0.24	0.17
12	30K/40K/50K/57K	130	1.10	0.63	0.55	0.48	0.38	0.28
	TRL	99	0.82	0.48	0.41	0.36	0.28	0.21
14	30K/40K/50K/57K	158	1.32	0.77	0.68	0.62	0.47	0.35
	TRL	120	1.00	0.58	0.50	0.43	0.34	0.25
16	30K/40K/50K/57K	179	1.49	0.87	0.77	0.68	0.53	0.39
	TRL	136	1.13	0.65	0.57	0.49	0.39	0.28
525mA								
02	30K/40K/50K/57K	37	0.30	0.19	0.17	0.16	0.12	0.10
04	30K/40K/50K/57K	70	0.58	0.34	0.31	0.28	0.21	0.16
06	30K/40K/50K/57K	101	0.84	0.49	0.43	0.38	0.30	0.22
08	30K/40K/50K/57K	133	1.13	0.66	0.58	0.51	0.39	0.28
10	30K/40K/50K/57K	171	1.43	0.83	0.74	0.66	0.50	0.38
12	30K/40K/50K/57K	202	1.69	0.98	0.86	0.77	0.59	0.44
14	30K/40K/50K/57K	232	1.94	1.12	0.98	0.87	0.68	0.50
16	30K/40K/50K/57K	263	2.21	1.27	1.11	0.97	0.77	0.56
700mA								
02	30K/40K/50K/57K	50	0.41	0.25	0.22	0.20	0.15	0.12
04	30K/40K/50K/57K	93	0.78	0.46	0.40	0.36	0.27	0.20
06	30K/40K/50K/57K	134	1.14	0.65	0.57	0.50	0.39	0.29

* Electrical data at 25°C (77°F). Actual wattage may differ by +/- 10% when operating between 120-277V or 347-480V +/- 10%

THE EDGE® Series Ambient Adjusted Lumen Maintenance¹

Ambient	CCT	Initial LMF	25K hr Reported ² LMF	50K hr Reported ² LMF	75K hr Reported ² / Estimated ³ LMF	100K hr Reported ³ / Estimated ³ LMF
5°C (41°F)	30K/40K/50K/57K	1.04	1.03	1.03	1.03 ²	1.03
	TRL	1.06	1.06	1.06	1.06 ³	1.06
10°C (50°F)	30K/40K/50K/57K	1.03	1.02	1.02	1.02 ²	1.02
	TRL	1.04	1.04	1.04	1.04 ³	1.04
15°C (59°F)	30K/40K/50K/57K	1.02	1.01	1.01	1.01 ²	1.01
	TRL	1.03	1.03	1.03	1.03 ³	1.03
20°C (68°F)	30K/40K/50K/57K	1.01	0.99	0.99	0.99 ²	0.99
	TRL	1.01	1.01	1.01	1.01 ³	1.01
25°C (77°F)	30K/40K/50K/57K	1.00	0.98	0.98	0.98 ²	0.98
	TRL	1.00	1.00	1.00	1.00 ³	1.00

¹ Lumen maintenance values at 25°C (77°F) are calculated per IES TM-21 based on IES LM-80 report data for the LED package and in-situ luminaire testing. Luminaire ambient temperature factors (LATF) have been applied to all lumen maintenance factors. Please refer to the [Temperature Zone Reference Document](#) for outdoor average nighttime ambient conditions.

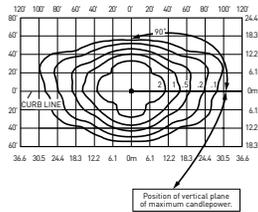
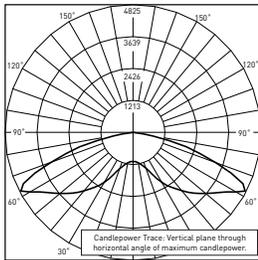
² In accordance with IES TM-21, Reported values represent interpolated values based on time durations that are up to 6x the tested duration in the IES LM-80 report for the LED.

³ Estimated values are calculated and represent time durations that exceed the 6x test duration of the LED.

Photometry

All published luminaire photometric testing performed to IES LM-79-08 standards. To obtain an IES file specific to your project consult: <http://creelighting.com/products/outdoor/area/cree-edge-series-1>

2M



RESTL Test Report #: PL10270-004B
 ARE-EDG-2M-**-06-E-UL-525-40K
 Initial Delivered Lumens: 10,053

ARE-EDG-2M-**-10-E-UL-525-40K
 Mounting Height: 25' (7.6m) A.F.G.
 Initial Delivered Lumens: 17,504
 Initial FC at grade

Type II Medium Distribution										
LED Count (x10)	3000K		4000K		5000K		5700K		TRL	
	Initial Delivered Lumens [*]	BUG Ratings ^{**} Per TM-15-11	Initial Delivered Lumens [*]	BUG Ratings ^{**} Per TM-15-11	Initial Delivered Lumens [*]	BUG Ratings ^{**} Per TM-15-11	Initial Delivered Lumens [*]	BUG Ratings ^{**} Per TM-15-11	Initial Delivered Lumens [*]	BUG Ratings ^{**} Per TM-15-11
350mA										
02	2,072	B1 U0 G1	2,501	B1 U0 G1	1,902	B1 U0 G1	2,551	B1 U0 G1	816	B0 U0 G0
04	4,143	B2 U0 G1	5,003	B2 U0 G2	3,803	B1 U0 G1	5,102	B2 U0 G2	1,633	B1 U0 G1
06	6,144	B2 U0 G2	7,418	B2 U0 G2	5,640	B2 U0 G2	7,565	B2 U0 G2	2,421	B1 U0 G1
08	8,192	B2 U0 G2	9,891	B3 U0 G3	7,519	B2 U0 G2	10,087	B3 U0 G3	3,228	B1 U0 G1
10	10,215	B3 U0 G3	12,334	B3 U0 G3	9,377	B3 U0 G3	12,578	B3 U0 G3	4,025	B2 U0 G1
12	12,258	B3 U0 G3	14,801	B3 U0 G3	11,252	B3 U0 G3	15,094	B3 U0 G3	4,830	B2 U0 G2
14	14,211	B3 U0 G3	17,158	B3 U0 G3	13,044	B3 U0 G3	17,498	B3 U0 G3	5,599	B2 U0 G2
16	16,241	B3 U0 G3	19,609	B3 U0 G3	14,908	B3 U0 G3	19,998	B4 U0 G3	6,399	B2 U0 G2
525mA										
02	2,943	B1 U0 G1	3,550	B1 U0 G1	2,702	B1 U0 G1	3,624	B1 U0 G1		N/A
04	5,886	B2 U0 G2	7,099	B2 U0 G2	5,403	B2 U0 G2	7,248	B2 U0 G2		N/A
06	8,729	B3 U0 G3	10,527	B3 U0 G3	8,012	B2 U0 G2	10,748	B3 U0 G3		N/A
08	11,638	B3 U0 G3	14,037	B3 U0 G3	10,683	B3 U0 G3	14,331	B3 U0 G3		N/A
10	14,513	B3 U0 G3	17,504	B3 U0 G3	13,322	B3 U0 G3	17,870	B3 U0 G3		N/A
12	17,415	B3 U0 G3	21,004	B4 U0 G4	15,986	B3 U0 G3	21,444	B4 U0 G4		N/A
14	20,189	B4 U0 G3	24,350	B4 U0 G4	18,532	B3 U0 G3	24,860	B4 U0 G4		N/A
16	23,074	B4 U0 G4	27,828	B4 U0 G4	21,179	B4 U0 G4	28,411	B4 U0 G4		N/A
700mA										
02	3,472	B1 U0 G1	4,189	B2 U0 G1	3,187	B1 U0 G1	4,275	B2 U0 G2		N/A
04	6,943	B2 U0 G2	8,379	B2 U0 G2	6,373	B2 U0 G2	8,549	B3 U0 G3		N/A
06	10,296	B3 U0 G3	12,425	B3 U0 G3	9,451	B3 U0 G3	12,678	B3 U0 G3		N/A

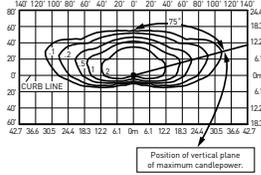
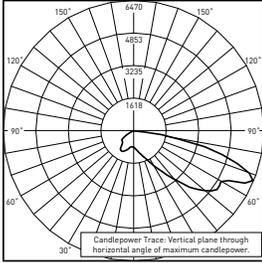
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
 ** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>.

THE EDGE® LED Area/Flood Luminaire

Photometry

All published luminaire photometric testing performed to IES LM-79-08 standards. To obtain an IES file specific to your project consult: <http://creelighting.com/products/outdoor/area/cree-edge-series-1>

2MB



RESTL Test Report #: PL10023-003B
 ARE-EDG-2MB-**-06-E-UL-525-40K
 Initial Delivered Lumens: 7,784

ARE-EDG-2MB-**-10-E-UL-525-40K
 Mounting Height: 25' (7.6m) A.F.G.
 Initial Delivered Lumens: 13,185
 Initial FC at grade

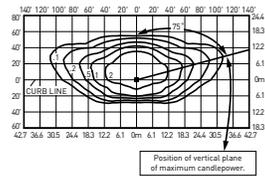
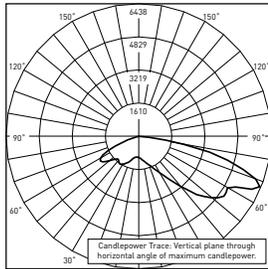
Type II Medium Distribution w/BLS										
LED Count (x10)	3000K		4000K		5000K		5700K		TRL	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
350mA										
02	1,560	B0 U0 G1	1,884	B0 U0 G1	1,432	B0 U0 G1	1,921	B0 U0 G1	615	B0 U0 G0
04	3,121	B0 U0 G1	3,768	B1 U0 G1	2,865	B0 U0 G1	3,843	B1 U0 G1	1,230	B0 U0 G1
06	4,628	B1 U0 G1	5,588	B1 U0 G1	4,248	B1 U0 G1	5,698	B1 U0 G1	1,824	B0 U0 G1
08	6,170	B1 U0 G1	7,450	B1 U0 G2	5,664	B1 U0 G1	7,598	B1 U0 G2	2,431	B0 U0 G1
10	7,695	B1 U0 G2	9,291	B1 U0 G2	7,063	B1 U0 G2	9,475	B1 U0 G2	3,032	B0 U0 G1
12	9,233	B1 U0 G2	11,149	B1 U0 G2	8,476	B1 U0 G2	11,370	B1 U0 G2	3,638	B1 U0 G1
14	10,704	B1 U0 G2	12,924	B1 U0 G2	9,825	B1 U0 G2	13,181	B1 U0 G2	4,218	B1 U0 G1
16	12,233	B1 U0 G2	14,771	B1 U0 G3	11,229	B1 U0 G2	15,063	B1 U0 G3	4,820	B1 U0 G1
525mA										
02	2,217	B0 U0 G1	2,674	B0 U0 G1	2,035	B0 U0 G1	2,730	B0 U0 G1		N/A
04	4,434	B1 U0 G1	5,348	B1 U0 G1	4,070	B1 U0 G1	5,460	B1 U0 G1		N/A
06	6,575	B1 U0 G2	7,930	B1 U0 G2	6,035	B1 U0 G1	8,096	B1 U0 G2		N/A
08	8,766	B1 U0 G2	10,573	B1 U0 G2	8,047	B1 U0 G2	10,794	B1 U0 G2		N/A
10	10,932	B1 U0 G2	13,185	B1 U0 G2	10,034	B1 U0 G2	13,461	B1 U0 G2		N/A
12	13,118	B1 U0 G2	15,821	B2 U0 G3	12,041	B1 U0 G2	16,153	B2 U0 G3		N/A
14	15,208	B1 U0 G3	18,341	B2 U0 G3	13,959	B1 U0 G2	18,726	B2 U0 G3		N/A
16	17,380	B2 U0 G3	20,962	B2 U0 G3	15,953	B2 U0 G3	21,401	B2 U0 G3		N/A
700mA										
02	2,615	B0 U0 G1	3,156	B0 U0 G1	2,400	B0 U0 G1	3,220	B0 U0 G1		N/A
04	5,230	B1 U0 G1	6,311	B1 U0 G2	4,801	B1 U0 G1	6,440	B1 U0 G2		N/A
06	7,755	B1 U0 G2	9,359	B1 U0 G2	7,119	B1 U0 G2	9,549	B1 U0 G2		N/A

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
 ** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>.

Photometry

All published luminaire photometric testing performed to IES LM-79-08 standards. To obtain an IES file specific to your project consult: <http://creelighting.com/products/outdoor/area/cree-edge-series-1>

2MP



RESTL Test Report #: PL10097-001B
 ARE-EDG-2MP-**-06-E-UL-525-40K
 Initial Delivered Lumens: 9,149

ARE-EDG-2MP-**-10-E-UL-525-40K
 Mounting Height: 25' (7.6m) A.F.G.
 Initial Delivered Lumens: 15,458
 Initial FC at grade

Type II Medium Distribution w/Partial BLS										
LED Count (x10)	3000K		4000K		5000K		5700K		TRL	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
350mA										
02	1,829	B1 U0 G1	2,209	B1 U0 G1	1,679	B1 U0 G1	2,253	B1 U0 G1	721	B0 U0 G0
04	3,659	B1 U0 G1	4,418	B1 U0 G1	3,359	B1 U0 G1	4,505	B1 U0 G1	1,442	B0 U0 G1
06	5,426	B1 U0 G1	6,551	B1 U0 G1	4,980	B1 U0 G1	6,681	B1 U0 G1	2,138	B1 U0 G1
08	7,234	B2 U0 G1	8,735	B2 U0 G2	6,640	B1 U0 G1	8,908	B2 U0 G2	2,851	B1 U0 G1
10	9,021	B2 U0 G2	10,892	B2 U0 G2	8,281	B2 U0 G2	11,108	B2 U0 G2	3,555	B1 U0 G1
12	10,825	B2 U0 G2	13,071	B2 U0 G2	9,937	B2 U0 G2	13,330	B2 U0 G2	4,266	B1 U0 G1
14	12,550	B2 U0 G2	15,153	B2 U0 G2	11,520	B2 U0 G2	15,453	B2 U0 G2	4,945	B1 U0 G1
16	14,343	B2 U0 G2	17,317	B2 U0 G2	13,165	B2 U0 G2	17,661	B3 U0 G2	5,651	B1 U0 G1
525mA										
02	2,599	B1 U0 G1	3,135	B1 U0 G1	2,386	B1 U0 G1	3,200	B1 U0 G1		N/A
04	5,198	B1 U0 G1	6,270	B1 U0 G1	4,772	B1 U0 G1	6,401	B1 U0 G1		N/A
06	7,708	B2 U0 G2	9,297	B2 U0 G2	7,076	B2 U0 G1	9,492	B2 U0 G2		N/A
08	10,278	B2 U0 G2	12,396	B2 U0 G2	9,434	B2 U0 G2	12,656	B2 U0 G2		N/A
10	12,817	B2 U0 G2	15,458	B2 U0 G2	11,764	B2 U0 G2	15,782	B2 U0 G2		N/A
12	15,380	B2 U0 G2	18,549	B3 U0 G3	14,117	B2 U0 G2	18,938	B3 U0 G3		N/A
14	17,830	B3 U0 G2	21,504	B3 U0 G3	16,366	B2 U0 G2	21,954	B3 U0 G3		N/A
16	20,377	B3 U0 G3	24,576	B3 U0 G3	18,704	B3 U0 G3	25,091	B3 U0 G3		N/A
700mA										
02	3,066	B1 U0 G1	3,700	B1 U0 G1	2,814	B1 U0 G1	3,775	B1 U0 G1		N/A
04	6,132	B1 U0 G1	7,400	B2 U0 G1	5,628	B1 U0 G1	7,550	B2 U0 G2		N/A
06	9,092	B2 U0 G2	10,973	B2 U0 G2	8,346	B2 U0 G2	11,196	B2 U0 G2		N/A

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

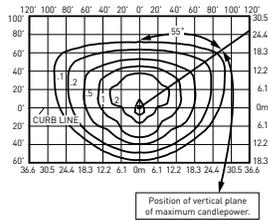
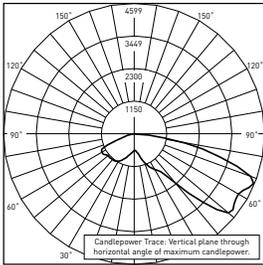
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>.

THE EDGE® LED Area/Flood Luminaire

Photometry

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3M



RESTL Test Report #: PL09405-001A
 ARE-EDG-3M-**-06-E-UL-525-40K
 Initial Delivered Lumens: 9,460

ARE-EDG-3M-**-10-E-UL-525-40K
 Mounting Height: 25' (7.6m) A.F.G.
 Initial Delivered Lumens: 16,594
 Initial FC at grade

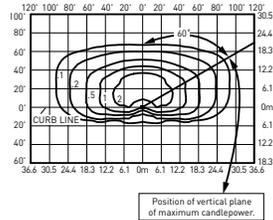
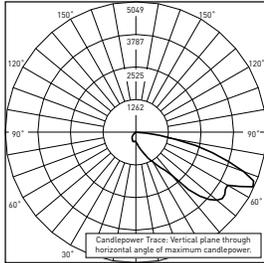
Type III Medium Distribution										
LED Count (x10)	3000K		4000K		5000K		5700K		TRL	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
350mA										
02	1,964	B1 U0 G1	2,371	B1 U0 G1	1,803	B1 U0 G1	2,418	B1 U0 G1	774	B0 U0 G1
04	3,928	B1 U0 G1	4,743	B1 U0 G1	3,606	B1 U0 G1	4,837	B1 U0 G1	1,548	B1 U0 G1
06	5,825	B2 U0 G2	7,033	B2 U0 G2	5,347	B2 U0 G2	7,172	B2 U0 G2	2,295	B1 U0 G1
08	7,766	B2 U0 G2	9,377	B2 U0 G2	7,129	B2 U0 G2	9,563	B2 U0 G2	3,060	B1 U0 G1
10	9,685	B2 U0 G2	11,693	B3 U0 G3	8,890	B2 U0 G2	11,925	B3 U0 G3	3,816	B1 U0 G1
12	11,621	B3 U0 G3	14,032	B3 U0 G3	10,667	B3 U0 G3	14,310	B3 U0 G3	4,579	B1 U0 G1
14	13,472	B3 U0 G3	16,267	B3 U0 G3	12,367	B3 U0 G3	16,589	B3 U0 G3	5,309	B2 U0 G2
16	15,397	B3 U0 G3	18,591	B3 U0 G3	14,133	B3 U0 G3	18,959	B3 U0 G3	6,067	B2 U0 G2
525mA										
02	2,790	B1 U0 G1	3,365	B1 U0 G1	2,561	B1 U0 G1	3,436	B1 U0 G1		N/A
04	5,581	B2 U0 G2	6,731	B2 U0 G2	5,122	B2 U0 G2	6,872	B2 U0 G2		N/A
06	8,275	B2 U0 G2	9,981	B3 U0 G3	7,596	B2 U0 G2	10,190	B3 U0 G3		N/A
08	11,034	B3 U0 G3	13,307	B3 U0 G3	10,128	B3 U0 G3	13,586	B3 U0 G3		N/A
10	13,759	B3 U0 G3	16,594	B3 U0 G3	12,630	B3 U0 G3	16,942	B3 U0 G3		N/A
12	16,511	B3 U0 G3	19,913	B3 U0 G3	15,155	B3 U0 G3	20,330	B3 U0 G3		N/A
14	19,141	B3 U0 G3	23,085	B3 U0 G3	17,569	B3 U0 G3	23,569	B3 U0 G3		N/A
16	21,875	B3 U0 G3	26,383	B4 U0 G4	20,079	B3 U0 G3	26,936	B4 U0 G4		N/A
700mA										
02	3,291	B1 U0 G1	3,972	B1 U0 G1	3,021	B1 U0 G1	4,053	B1 U0 G1		N/A
04	6,582	B2 U0 G2	7,944	B2 U0 G2	6,042	B2 U0 G2	8,105	B2 U0 G2		N/A
06	9,761	B2 U0 G2	11,779	B3 U0 G3	8,960	B2 U0 G2	12,019	B3 U0 G3		N/A

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
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Photometry

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3MB



RESTL Test Report #: PL10023-001B
 ARE-EDG-3MB-**-06-E-UL-525-40K
 Initial Delivered Lumens: 7,602

ARE-EDG-3MB-**-10-E-UL-525-40K
 Mounting Height: 25' (7.6m) A.F.G.
 Initial Delivered Lumens: 12,275
 Initial FC at grade

Type III Medium Distribution w/BLS										
LED Count (x10)	3000K		4000K		5000K		5700K		TRL	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
350mA										
02	1,453	B0 U0 G1	1,754	B0 U0 G1	1,334	B0 U0 G1	1,789	B0 U0 G1	572	B0 U0 G0
04	2,906	B0 U0 G1	3,508	B1 U0 G1	2,667	B0 U0 G1	3,578	B1 U0 G1	1,145	B0 U0 G1
06	4,309	B1 U0 G1	5,202	B1 U0 G1	3,955	B1 U0 G1	5,305	B1 U0 G1	1,698	B0 U0 G1
08	5,745	B1 U0 G2	6,936	B1 U0 G2	5,273	B1 U0 G1	7,074	B1 U0 G2	2,264	B0 U0 G1
10	7,164	B1 U0 G2	8,650	B1 U0 G2	6,576	B1 U0 G2	8,821	B1 U0 G2	2,823	B0 U0 G1
12	8,597	B1 U0 G2	10,380	B1 U0 G2	7,891	B1 U0 G2	10,585	B1 U0 G2	3,387	B1 U0 G1
14	9,966	B1 U0 G2	12,033	B1 U0 G2	9,148	B1 U0 G2	12,272	B1 U0 G2	3,927	B1 U0 G1
16	11,390	B1 U0 G2	13,752	B2 U0 G3	10,455	B1 U0 G2	14,025	B2 U0 G3	4,488	B1 U0 G1
525mA										
02	2,064	B0 U0 G1	2,489	B0 U0 G1	1,895	B0 U0 G1	2,542	B0 U0 G1		N/A
04	4,128	B1 U0 G1	4,979	B1 U0 G1	3,789	B1 U0 G1	5,083	B1 U0 G1		N/A
06	6,121	B1 U0 G2	7,383	B1 U0 G2	5,619	B1 U0 G2	7,538	B1 U0 G2		N/A
08	8,162	B1 U0 G2	9,844	B1 U0 G2	7,492	B1 U0 G2	10,050	B1 U0 G2		N/A
10	10,178	B1 U0 G2	12,275	B1 U0 G2	9,342	B1 U0 G2	12,532	B1 U0 G2		N/A
12	12,213	B1 U0 G2	14,730	B2 U0 G3	11,211	B1 U0 G2	15,039	B2 U0 G3		N/A
14	14,159	B2 U0 G3	17,077	B2 U0 G3	12,996	B1 U0 G2	17,434	B2 U0 G3		N/A
16	16,181	B2 U0 G3	19,516	B2 U0 G3	14,853	B2 U0 G3	19,925	B2 U0 G3		N/A
700mA										
02	2,435	B0 U0 G1	2,938	B1 U0 G1	2,235	B0 U0 G1	2,998	B1 U0 G1		N/A
04	4,869	B1 U0 G1	5,876	B1 U0 G2	4,469	B1 U0 G1	5,996	B1 U0 G2		N/A
06	7,220	B1 U0 G2	8,714	B1 U0 G2	6,628	B1 U0 G2	8,891	B1 U0 G2		N/A

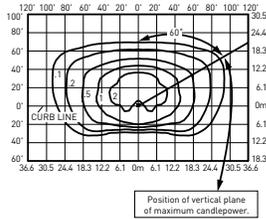
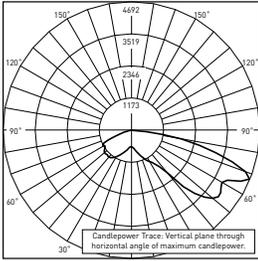
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
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THE EDGE® LED Area/Flood Luminaire

Photometry

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3MP



RESL Test Report #: PL10097-002B
ARE-EDG-3MP--06-E-UL-525-40K**
Initial Delivered Lumens: 8,670

ARE-EDG-3MP--10-E-UL-525-40K**
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 14,548
 Initial FC at grade

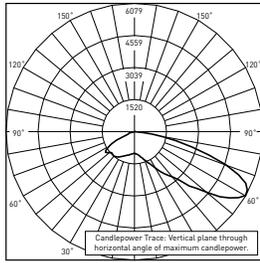
Type III Medium Distribution w/Partial BLS										
LED Count (x10)	3000K		4000K		5000K		5700K		TRL	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
350mA										
02	1,722	B1 U0 G1	2,079	B1 U0 G1	1,581	B1 U0 G1	2,120	B1 U0 G1	678	B0 U0 G1
04	3,444	B1 U0 G1	4,158	B1 U0 G1	3,161	B1 U0 G1	4,240	B1 U0 G1	1,357	B0 U0 G1
06	5,107	B1 U0 G1	6,166	B1 U0 G2	4,687	B1 U0 G1	6,288	B1 U0 G2	2,012	B1 U0 G1
08	6,809	B1 U0 G2	8,221	B2 U0 G2	6,250	B1 U0 G2	8,384	B2 U0 G2	2,683	B1 U0 G1
10	8,491	B2 U0 G2	10,252	B2 U0 G2	7,794	B2 U0 G2	10,455	B2 U0 G2	3,346	B1 U0 G1
12	10,189	B2 U0 G2	12,302	B2 U0 G3	9,352	B2 U0 G2	12,546	B2 U0 G3	4,015	B1 U0 G1
14	11,812	B2 U0 G2	14,261	B3 U0 G3	10,842	B2 U0 G2	14,544	B3 U0 G3	4,654	B1 U0 G1
16	13,499	B2 U0 G3	16,299	B3 U0 G3	12,391	B2 U0 G3	16,622	B3 U0 G3	5,319	B1 U0 G2
525mA										
02	2,446	B1 U0 G1	2,950	B1 U0 G1	2,245	B1 U0 G1	3,012	B1 U0 G1		N/A
04	4,893	B1 U0 G1	5,901	B1 U0 G2	4,491	B1 U0 G1	6,024	B1 U0 G2		N/A
06	7,255	B2 U0 G2	8,750	B2 U0 G2	6,659	B1 U0 G2	8,933	B2 U0 G2		N/A
08	9,673	B2 U0 G2	11,667	B2 U0 G2	8,879	B2 U0 G2	11,911	B2 U0 G2		N/A
10	12,063	B2 U0 G3	14,548	B3 U0 G3	11,072	B2 U0 G2	14,853	B3 U0 G3		N/A
12	14,475	B3 U0 G3	17,458	B3 U0 G3	13,287	B2 U0 G3	17,824	B3 U0 G3		N/A
14	16,781	B3 U0 G3	20,239	B3 U0 G3	15,403	B3 U0 G3	20,663	B3 U0 G3		N/A
16	19,178	B3 U0 G3	23,130	B3 U0 G3	17,604	B3 U0 G3	23,615	B3 U0 G3		N/A
700mA										
02	2,885	B1 U0 G1	3,482	B1 U0 G1	2,649	B1 U0 G1	3,553	B1 U0 G1		N/A
04	5,771	B1 U0 G2	6,964	B1 U0 G2	5,297	B1 U0 G1	7,106	B2 U0 G2		N/A
06	8,557	B2 U0 G2	10,327	B2 U0 G2	7,855	B2 U0 G2	10,537	B2 U0 G2		N/A

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
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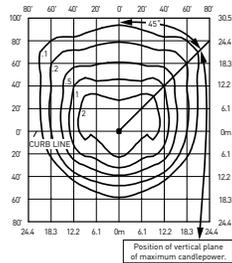
Photometry

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4M



RESTL Test Report #: PL10270-001B
ARE-EDG-4M-**-06-E-UL-525-40K
Initial Delivered Lumens: 10,483



ARE-EDG-4M-**-10-E-UL-525-40K
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 17,504
Initial FC at grade

Type IV Medium Distribution										
LED Count (x10)	3000K		4000K		5000K		5700K		TRL	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
350mA										
02	2,072	B1 U0 G1	2,501	B1 U0 G1	1,902	B1 U0 G1	2,551	B1 U0 G1	816	B0 U0 G1
04	4,143	B1 U0 G1	5,003	B2 U0 G1	3,803	B1 U0 G1	5,102	B2 U0 G1	1,633	B1 U0 G1
06	6,144	B2 U0 G1	7,418	B2 U0 G2	5,640	B2 U0 G1	7,565	B2 U0 G2	2,421	B1 U0 G1
08	8,192	B2 U0 G2	9,891	B2 U0 G2	7,519	B2 U0 G2	10,087	B2 U0 G2	3,228	B1 U0 G1
10	10,215	B2 U0 G2	12,334	B3 U0 G2	9,377	B2 U0 G2	12,578	B3 U0 G2	4,025	B1 U0 G1
12	12,258	B2 U0 G2	14,801	B3 U0 G3	11,252	B2 U0 G2	15,094	B3 U0 G3	4,830	B1 U0 G1
14	14,211	B3 U0 G3	17,158	B3 U0 G3	13,044	B3 U0 G2	17,498	B3 U0 G3	5,599	B2 U0 G1
16	16,241	B3 U0 G3	19,609	B3 U0 G3	14,908	B3 U0 G3	19,998	B3 U0 G3	6,399	B2 U0 G1
525mA										
02	2,943	B1 U0 G1	3,550	B1 U0 G1	2,702	B1 U0 G1	3,624	B1 U0 G1		N/A
04	5,886	B2 U0 G1	7,099	B2 U0 G2	5,403	B2 U0 G1	7,248	B2 U0 G2		N/A
06	8,729	B2 U0 G2	10,527	B2 U0 G2	8,012	B2 U0 G2	10,748	B2 U0 G2		N/A
08	11,638	B2 U0 G2	14,037	B3 U0 G2	10,683	B2 U0 G2	14,331	B3 U0 G2		N/A
10	14,513	B3 U0 G3	17,504	B3 U0 G3	13,322	B3 U0 G2	17,870	B3 U0 G3		N/A
12	17,415	B3 U0 G3	21,004	B3 U0 G3	15,986	B3 U0 G3	21,444	B3 U0 G3		N/A
14	20,189	B3 U0 G3	24,350	B3 U0 G3	18,532	B3 U0 G3	24,860	B4 U0 G3		N/A
16	23,074	B3 U0 G3	27,828	B4 U0 G3	21,179	B3 U0 G3	28,411	B4 U0 G3		N/A
700mA										
02	3,472	B1 U0 G1	4,189	B1 U0 G1	3,187	B1 U0 G1	4,275	B1 U0 G1		N/A
04	6,943	B2 U0 G1	8,379	B2 U0 G2	6,373	B2 U0 G1	8,549	B2 U0 G2		N/A
06	10,296	B2 U0 G2	12,425	B3 U0 G2	9,451	B2 U0 G2	12,678	B3 U0 G2		N/A

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

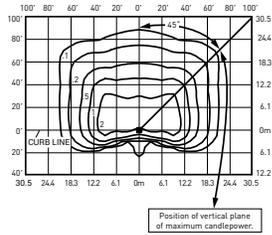
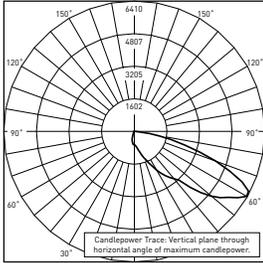
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THE EDGE® LED Area/Flood Luminaire

Photometry

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4MB



RESTL Test Report #: PL10023-002B
 ARE-EDG-4MB-**-06-E-UL-525-40K
 Initial Delivered Lumens: 7,985

ARE-EDG-4MB-**-10-E-UL-525-40K
 Mounting Height: 25' (7.6m) A.F.G.
 Initial Delivered Lumens: 13,185
 Initial FC at grade

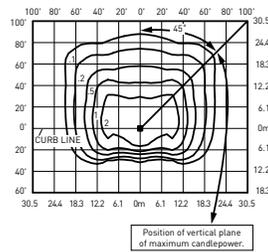
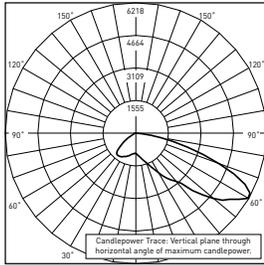
Type IV Medium Distribution w/BLS										
LED Count (x10)	3000K		4000K		5000K		5700K		TRL	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
350mA										
02	1,560	B0 U0 G1	1,884	B0 U0 G1	1,432	B0 U0 G1	1,921	B0 U0 G1	615	B0 U0 G0
04	3,121	B1 U0 G1	3,768	B1 U0 G1	2,865	B0 U0 G1	3,843	B1 U0 G1	1,230	B0 U0 G1
06	4,628	B1 U0 G1	5,588	B1 U0 G1	4,248	B1 U0 G1	5,698	B1 U0 G2	1,824	B0 U0 G1
08	6,170	B1 U0 G2	7,450	B1 U0 G2	5,664	B1 U0 G2	7,598	B1 U0 G2	2,431	B0 U0 G1
10	7,695	B1 U0 G2	9,291	B1 U0 G2	7,063	B1 U0 G2	9,475	B1 U0 G2	3,032	B1 U0 G1
12	9,233	B1 U0 G2	11,149	B1 U0 G2	8,476	B1 U0 G2	11,370	B1 U0 G2	3,638	B1 U0 G1
14	10,704	B1 U0 G2	12,924	B1 U0 G2	9,825	B1 U0 G2	13,181	B1 U0 G2	4,218	B1 U0 G1
16	12,233	B1 U0 G2	14,771	B2 U0 G2	11,229	B1 U0 G2	15,063	B2 U0 G2	4,820	B1 U0 G1
525mA										
02	2,217	B1 U0 G1	2,674	B1 U0 G1	2,035	B1 U0 G1	2,730	B1 U0 G1		N/A
04	4,434	B1 U0 G1	5,348	B1 U0 G1	4,070	B1 U0 G1	5,460	B1 U0 G1		N/A
06	6,575	B1 U0 G2	7,930	B1 U0 G2	6,035	B1 U0 G2	8,096	B1 U0 G2		N/A
08	8,766	B1 U0 G2	10,573	B1 U0 G2	8,047	B1 U0 G2	10,794	B1 U0 G2		N/A
10	10,932	B1 U0 G2	13,185	B1 U0 G2	10,034	B1 U0 G2	13,461	B2 U0 G2		N/A
12	13,118	B1 U0 G2	15,821	B2 U0 G3	12,041	B1 U0 G2	16,153	B2 U0 G3		N/A
14	15,208	B2 U0 G2	18,341	B2 U0 G3	13,959	B2 U0 G2	18,726	B2 U0 G3		N/A
16	17,380	B2 U0 G3	20,962	B2 U0 G3	15,953	B2 U0 G3	21,401	B2 U0 G3		N/A
700mA										
02	2,615	B1 U0 G1	3,156	B1 U0 G1	2,400	B1 U0 G1	3,220	B1 U0 G1		N/A
04	5,230	B1 U0 G1	6,311	B1 U0 G2	4,801	B1 U0 G1	6,440	B1 U0 G2		N/A
06	7,755	B1 U0 G2	9,359	B1 U0 G2	7,119	B1 U0 G2	9,549	B1 U0 G2		N/A

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
 ** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>

Photometry

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4MP



RESL Test Report #: PL10097-003B
 ARE-EDG-4MP-**-06-E-UL-525-40K
 Initial Delivered Lumens: 9,410

ARE-EDG-4MP-**-10-E-UL-525-40K
 Mounting Height: 25' (7.6m) A.F.G.
 Initial Delivered Lumens: 15,458
 Initial FC at grade

Type IV Medium Distribution w/Partial BLS										
LED Count (x10)	3000K		4000K		5000K		5700K		TRL	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
350mA										
02	1,829	B1 U0 G1	2,209	B1 U0 G1	1,679	B1 U0 G1	2,253	B1 U0 G1	721	B0 U0 G0
04	3,659	B1 U0 G1	4,418	B1 U0 G1	3,359	B1 U0 G1	4,505	B1 U0 G1	1,442	B1 U0 G1
06	5,426	B1 U0 G1	6,551	B2 U0 G1	4,980	B1 U0 G1	6,681	B2 U0 G1	2,138	B1 U0 G1
08	7,234	B2 U0 G2	8,735	B2 U0 G2	6,640	B2 U0 G1	8,908	B2 U0 G2	2,851	B1 U0 G1
10	9,021	B2 U0 G2	10,892	B2 U0 G2	8,281	B2 U0 G2	11,108	B2 U0 G2	3,555	B1 U0 G1
12	10,825	B2 U0 G2	13,071	B2 U0 G2	9,937	B2 U0 G2	13,330	B2 U0 G2	4,266	B1 U0 G1
14	12,550	B2 U0 G2	15,153	B2 U0 G2	11,520	B2 U0 G2	15,453	B3 U0 G2	4,945	B1 U0 G1
16	14,343	B2 U0 G2	17,317	B3 U0 G2	13,165	B2 U0 G2	17,661	B3 U0 G2	5,651	B1 U0 G1
525mA										
02	2,599	B1 U0 G1	3,135	B1 U0 G1	2,386	B1 U0 G1	3,200	B1 U0 G1		N/A
04	5,198	B1 U0 G1	6,270	B2 U0 G1	4,772	B1 U0 G1	6,401	B2 U0 G1		N/A
06	7,708	B2 U0 G2	9,297	B2 U0 G2	7,076	B2 U0 G2	9,492	B2 U0 G2		N/A
08	10,278	B2 U0 G2	12,396	B2 U0 G2	9,434	B2 U0 G2	12,656	B2 U0 G2		N/A
10	12,817	B2 U0 G2	15,458	B3 U0 G2	11,764	B2 U0 G2	15,782	B3 U0 G2		N/A
12	15,380	B3 U0 G2	18,549	B3 U0 G2	14,117	B2 U0 G2	18,938	B3 U0 G3		N/A
14	17,830	B3 U0 G2	21,504	B3 U0 G3	16,366	B3 U0 G2	21,954	B3 U0 G3		N/A
16	20,377	B3 U0 G3	24,576	B3 U0 G3	18,704	B3 U0 G3	25,091	B3 U0 G3		N/A
700mA										
02	3,066	B1 U0 G1	3,700	B1 U0 G1	2,814	B1 U0 G1	3,775	B1 U0 G1		N/A
04	6,132	B2 U0 G1	7,400	B2 U0 G2	5,628	B1 U0 G1	7,550	B2 U0 G2		N/A
06	9,092	B2 U0 G2	10,973	B2 U0 G2	8,346	B2 U0 G2	11,196	B2 U0 G2		N/A

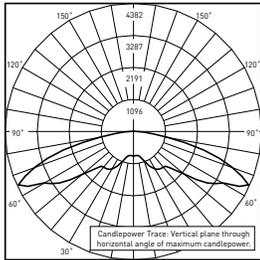
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
 ** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>

THE EDGE® LED Area/Flood Luminaire

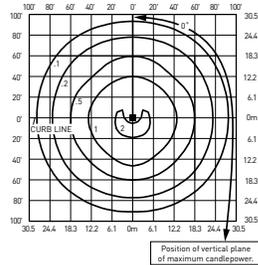
Photometry

All published luminaire photometric testing performed to IES LM-79-08 standards. To obtain an IES file specific to your project consult: <http://creelighting.com/products/outdoor/area/cree-edge-series-1>

5M



RESTL Test Report #: PL09285-001
ARE-EDG-5M-**-06-E-UL-700-40K
Initial Delivered Lumens: 13,136



ARE-EDG-5M-**-10-E-UL-525-40K
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 18,413
Initial FC at grade

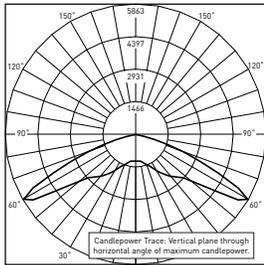
Type V Medium Distribution										
LED Count (x10)	3000K		4000K		5000K		5700K		TRL	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
350mA										
02	2,179	B2 U0 G1	2,631	B2 U0 G1	2,000	B1 U0 G1	2,683	B2 U0 G1	859	B1 U0 G1
04	4,358	B3 U0 G1	5,262	B3 U0 G1	4,001	B2 U0 G1	5,367	B3 U0 G1	1,717	B1 U0 G1
06	6,463	B3 U0 G1	7,804	B3 U0 G2	5,932	B3 U0 G1	7,958	B3 U0 G2	2,547	B2 U0 G1
08	8,617	B3 U0 G2	10,405	B4 U0 G2	7,910	B3 U0 G2	10,611	B4 U0 G2	3,395	B2 U0 G1
10	10,746	B4 U0 G2	12,975	B4 U0 G2	9,864	B3 U0 G2	13,232	B4 U0 G2	4,234	B3 U0 G1
12	12,895	B4 U0 G2	15,570	B4 U0 G3	11,836	B4 U0 G2	15,878	B4 U0 G3	5,081	B3 U0 G1
14	14,949	B4 U0 G3	18,049	B4 U0 G3	13,722	B4 U0 G2	18,407	B4 U0 G3	5,890	B3 U0 G1
16	17,085	B4 U0 G3	20,628	B5 U0 G3	15,682	B4 U0 G3	21,037	B5 U0 G3	6,732	B3 U0 G2
525mA										
02	3,096	B2 U0 G1	3,734	B3 U0 G1	2,842	B2 U0 G1	3,812	B3 U0 G1		N/A
04	6,192	B3 U0 G1	7,468	B3 U0 G2	5,684	B3 U0 G1	7,625	B3 U0 G2		N/A
06	9,182	B3 U0 G2	11,074	B4 U0 G2	8,428	B3 U0 G2	11,306	B4 U0 G2		N/A
08	12,243	B4 U0 G2	14,766	B4 U0 G2	11,238	B4 U0 G2	15,075	B4 U0 G3		N/A
10	15,267	B4 U0 G3	18,413	B4 U0 G3	14,014	B4 U0 G2	18,799	B4 U0 G3		N/A
12	18,320	B4 U0 G3	22,096	B5 U0 G3	16,816	B4 U0 G3	22,558	B5 U0 G3		N/A
14	21,238	B5 U0 G3	25,615	B5 U0 G3	19,495	B4 U0 G3	26,151	B5 U0 G3		N/A
16	24,272	B5 U0 G3	29,274	B5 U0 G3	22,280	B5 U0 G3	29,887	B5 U0 G3		N/A
700mA										
02	3,652	B3 U0 G1	4,407	B3 U0 G1	3,352	B2 U0 G1	4,497	B3 U0 G1		N/A
04	7,304	B3 U0 G2	8,814	B3 U0 G2	6,704	B3 U0 G2	8,993	B3 U0 G2		N/A
06	10,831	B4 U0 G2	13,070	B4 U0 G2	9,941	B3 U0 G2	13,336	B4 U0 G2		N/A

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>

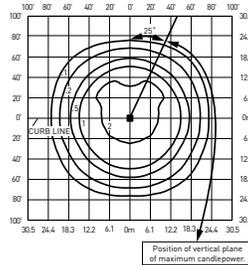
Photometry

All published luminaire photometric testing performed to IES LM-79-08 standards. To obtain an IES file specific to your project consult: <http://creelighting.com/products/outdoor/area/cree-edge-series-1>

55



RESTL Test Report #: PL09286-001A
 ARE-EDG-5S-**-06-E-UL-700-40K
 Initial Delivered Lumens: 14,123



ARE-EDG-5S-**-10-E-UL-525-40K
 Mounting Height: 25' (7.6m) A.F.G.
 Initial Delivered Lumens: 20,459
 Initial FC at grade

Type V Short Distribution										
LED Count (x10)	3000K		4000K		5000K		5700K		TRL	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
350mA										
02	2,421	B1 U0 G0	2,924	B2 U0 G0	2,223	B1 U0 G0	2,982	B2 U0 G0	954	B1 U0 G0
04	4,843	B2 U0 G1	5,847	B3 U0 G1	4,445	B2 U0 G1	5,963	B3 U0 G1	1,908	B1 U0 G0
06	7,181	B3 U0 G1	8,671	B3 U0 G1	6,592	B3 U0 G1	8,842	B3 U0 G1	2,830	B2 U0 G0
08	9,575	B3 U0 G1	11,561	B3 U0 G2	8,789	B3 U0 G1	11,790	B3 U0 G2	3,773	B2 U0 G1
10	11,940	B3 U0 G2	14,416	B4 U0 G2	10,960	B3 U0 G2	14,702	B4 U0 G2	4,705	B2 U0 G1
12	14,328	B4 U0 G2	17,300	B4 U0 G2	13,152	B3 U0 G2	17,642	B4 U0 G2	5,646	B3 U0 G1
14	16,610	B4 U0 G2	20,055	B4 U0 G2	15,246	B4 U0 G2	20,453	B4 U0 G2	6,545	B3 U0 G1
16	18,983	B4 U0 G2	22,920	B4 U0 G2	17,424	B4 U0 G2	23,374	B4 U0 G2	7,480	B3 U0 G1
525mA										
02	3,440	B2 U0 G0	4,149	B2 U0 G1	3,158	B2 U0 G0	4,236	B2 U0 G1		N/A
04	6,880	B3 U0 G1	8,298	B3 U0 G1	6,315	B3 U0 G1	8,472	B3 U0 G1		N/A
06	10,202	B3 U0 G2	12,305	B3 U0 G2	9,365	B3 U0 G1	12,563	B3 U0 G2		N/A
08	13,603	B3 U0 G2	16,406	B4 U0 G2	12,486	B3 U0 G2	16,750	B4 U0 G2		N/A
10	16,963	B4 U0 G2	20,459	B4 U0 G2	15,571	B4 U0 G2	20,887	B4 U0 G2		N/A
12	20,356	B4 U0 G2	24,551	B4 U0 G2	18,685	B4 U0 G2	25,065	B4 U0 G2		N/A
14	23,598	B4 U0 G2	28,461	B5 U0 G3	21,661	B4 U0 G2	29,057	B5 U0 G3		N/A
16	26,969	B4 U0 G2	32,527	B5 U0 G3	24,755	B4 U0 G2	33,208	B5 U0 G3		N/A
700mA										
02	4,058	B2 U0 G1	4,897	B2 U0 G1	3,725	B2 U0 G1	4,996	B2 U0 G1		N/A
04	8,115	B3 U0 G1	9,793	B3 U0 G1	7,449	B3 U0 G1	9,993	B3 U0 G2		N/A
06	12,034	B3 U0 G2	14,523	B4 U0 G2	11,046	B3 U0 G2	14,818	B4 U0 G2		N/A

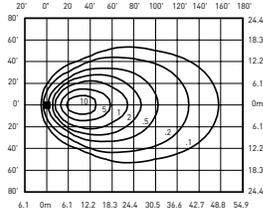
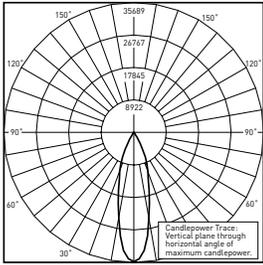
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
 ** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>

THE EDGE® LED Area/Flood Luminaire

Photometry

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25°



RESTL Test Report #: PL09832-003B
 FLD-EDG-25-**-06-E-UL-700-40K
 Initial Delivered Lumens: 14,998

FLD-EDG-25-**-10-E-UL-525-40K
 Mounting Height: 25' (7.6m) A.F.G., 60° Tilt
 Initial Delivered Lumens: 20,913
 Initial FC at grade

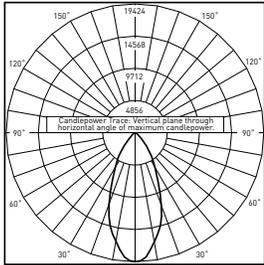
25° Flood Distribution					
LED Count (x10)	3000K	4000K	5000K	5700K	TRL
	Initial Delivered Lumens*				
350mA					
02	2,475	2,989	2,272	3,048	975
04	4,950	5,977	4,544	6,096	1,951
06	7,341	8,863	6,738	9,039	2,892
08	9,788	11,818	8,984	12,052	3,857
10	12,205	14,737	11,203	15,029	4,809
12	14,646	17,684	13,444	18,035	5,771
14	16,979	20,501	15,585	20,907	6,690
16	19,405	23,429	17,812	23,894	7,646
525mA					
02	3,516	4,241	3,228	4,330	N/A
04	7,033	8,482	6,456	8,660	N/A
06	10,429	12,578	9,573	12,842	N/A
08	13,905	16,771	12,764	17,122	N/A
10	17,340	20,913	15,917	21,352	N/A
12	20,808	25,096	19,100	25,622	N/A
14	24,122	29,093	22,142	29,703	N/A
16	27,568	33,250	25,305	33,946	N/A
700mA					
02	4,148	5,006	3,807	5,107	N/A
04	8,296	10,011	7,615	10,215	N/A
06	12,301	14,845	11,292	15,147	N/A

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

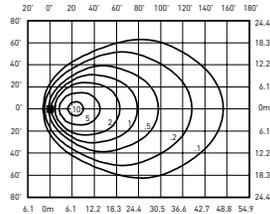
Photometry

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40°



RESTL Test Report #: PL09832-002B
 FLD-EDG-40-**-06-E-UL-700-40K
 Initial Delivered Lumens: 13,808



FLD-EDG-40-**-10-E-UL-525-40K
 Mounting Height: 25' (7.6m) A.F.G., 60° Tilt
 Initial Delivered Lumens: 20,459
 Initial FC at grade

40° Flood Distribution					
LED Count (x10)	3000K	4000K	5000K	5700K	TRL
	Initial Delivered Lumens*				
350mA					
02	2,421	2,924	2,223	2,982	954
04	4,843	5,847	4,445	5,963	1,908
06	7,181	8,671	6,592	8,842	2,830
08	9,575	11,561	8,789	11,790	3,773
10	11,940	14,416	10,960	14,702	4,705
12	14,328	17,300	13,152	17,642	5,646
14	16,610	20,055	15,246	20,453	6,545
16	18,983	22,920	17,424	23,374	7,480
525mA					
02	3,440	4,149	3,158	4,236	N/A
04	6,880	8,298	6,315	8,472	N/A
06	10,202	12,305	9,365	12,563	N/A
08	13,603	16,406	12,486	16,750	N/A
10	16,963	20,459	15,571	20,887	N/A
12	20,356	24,551	18,685	25,065	N/A
14	23,598	28,461	21,661	29,057	N/A
16	26,969	32,527	24,755	33,208	N/A
700mA					
02	4,058	4,897	3,725	4,996	N/A
04	8,115	9,793	7,449	9,993	N/A
06	12,034	14,523	11,046	14,818	N/A

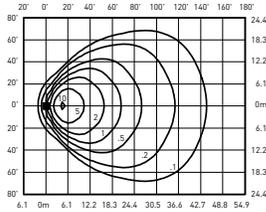
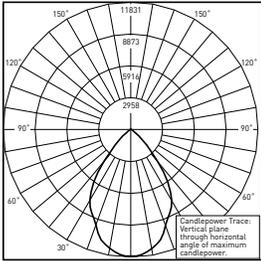
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

THE EDGE® LED Area/Flood Luminaire

Photometry

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70°



RECTL Test Report #: PL09832-001B
 FLD-EDG-70-**-06-E-UL-700-40K
 Initial Delivered Lumens: 13,888

FLD-EDG-70-**-10-E-UL-525-40K
 Mounting Height: 25' (7.6m) A.F.G., 60° Tilt
 Initial Delivered Lumens: 18,640
 Initial FC at grade

70° Flood Distribution					
LED Count (x10)	3000K	4000K	5000K	5700K	TRL
	Initial Delivered Lumens*				
350mA					
02	2,206	2,664	2,025	2,716	869
04	4,412	5,327	4,050	5,433	1,739
06	6,543	7,900	6,006	8,056	2,578
08	8,724	10,533	8,008	10,742	3,437
10	10,879	13,135	9,986	13,395	4,286
12	13,054	15,762	11,983	16,074	5,144
14	15,133	18,272	13,891	18,635	5,963
16	17,295	20,883	15,876	21,297	6,815
525mA					
02	3,134	3,780	2,877	3,859	N/A
04	6,269	7,560	5,754	7,719	N/A
06	9,295	11,211	8,532	11,446	N/A
08	12,394	14,948	11,377	15,261	N/A
10	15,455	18,640	14,187	19,031	N/A
12	18,546	22,368	17,024	22,837	N/A
14	21,500	25,931	19,735	26,474	N/A
16	24,572	29,636	22,555	30,256	N/A
700mA					
02	3,697	4,461	3,393	4,552	N/A
04	7,394	8,923	6,787	9,104	N/A
06	10,964	13,232	10,064	13,501	N/A

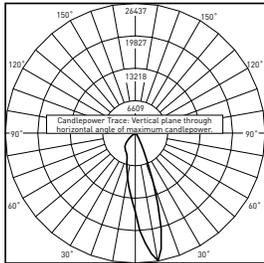
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

THE EDGE® LED Area/Flood Luminaire

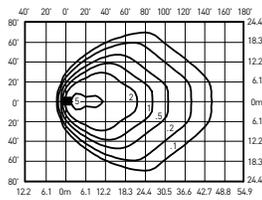
Photometry

All published luminaire photometric testing performed to IES LM-79-08 standards. To obtain an IES file specific to your project consult: <http://creelighting.com/products/outdoor/area/cree-edge-series-1>

SN



RESTL Test Report #: PL10142-001B
 FLD-EDG-SN-**-06-E-UL-700-40K
 Initial Delivered Lumens: 13,701



FLD-EDG-SN-**-10-E-UL-525-40K
 Mounting Height: 25' (7.6m) A.F.G., 60° Tilt
 Initial Delivered Lumens: 18,868
 Initial FC at grade

SN Flood Distribution					
LED Count (x10)	3000K	4000K	5000K	5700K	TRL
	Initial Delivered Lumens*				
350mA					
02	2,233	2,696	2,050	2,750	880
04	4,466	5,392	4,099	5,499	1,760
06	6,623	7,996	6,079	8,155	2,609
08	8,830	10,662	8,105	10,873	3,479
10	11,011	13,295	10,107	13,559	4,339
12	13,213	15,954	12,129	16,270	5,206
14	15,318	18,495	14,061	18,862	6,036
16	17,506	21,137	16,069	21,556	6,898
525mA					
02	3,172	3,826	2,912	3,906	N/A
04	6,345	7,653	5,824	7,813	N/A
06	9,409	11,348	8,636	11,585	N/A
08	12,545	15,130	11,515	15,447	N/A
10	15,644	18,868	14,360	19,263	N/A
12	18,773	22,641	17,231	23,115	N/A
14	21,763	26,247	19,976	26,797	N/A
16	24,871	29,997	22,830	30,625	N/A
700mA					
02	3,742	4,516	3,435	4,608	N/A
04	7,484	9,032	6,870	9,215	N/A
06	11,098	13,393	10,187	13,665	N/A

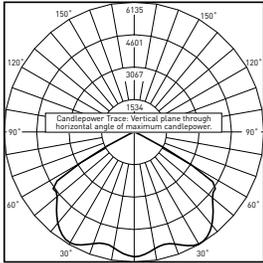
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

THE EDGE® LED Area/Flood Luminaire

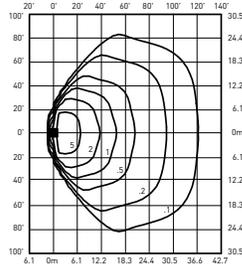
Photometry

All published luminaire photometric testing performed to IES LM-79-08 standards. To obtain an IES file specific to your project consult: <http://creelighting.com/products/outdoor/area/cree-edge-series-1>

N6



RESTL Test Report #: PL09832-004B
 FLD-EDG-N6-**-D6-E-UL-700-40K
 Initial Delivered Lumens: 15,251



FLD-EDG-N6-**-10-E-UL-525-40K
 Mounting Height: 25' (7.6m) A.F.G., 60° Tilt
 Initial Delivered Lumens: 20,913
 Initial FC at grade

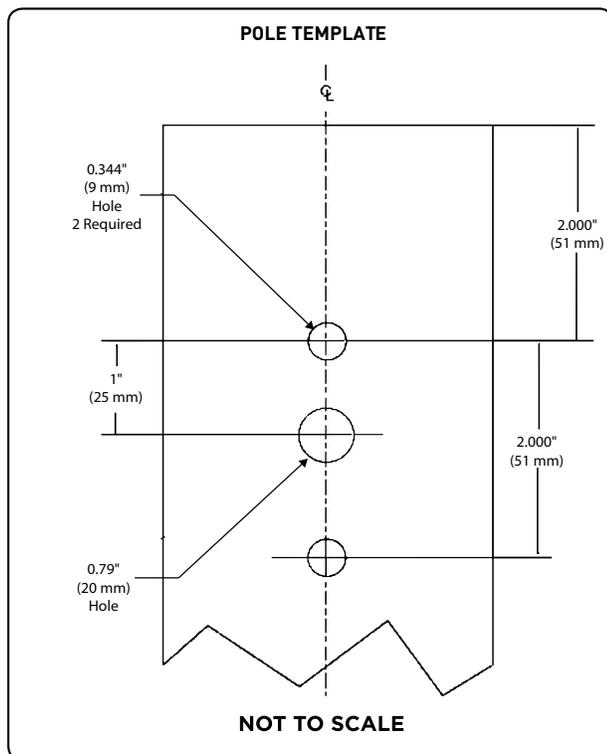
NEMA® 6 Flood Distribution					
LED Count (x10)	3000K	4000K	5000K	5700K	TRL
	Initial Delivered Lumens*				
350mA					
02	2,475	2,989	2,272	3,048	975
04	4,950	5,977	4,544	6,096	1,951
06	7,341	8,863	6,738	9,039	2,892
08	9,788	11,818	8,984	12,052	3,857
10	12,205	14,737	11,203	15,029	4,809
12	14,646	17,684	13,444	18,035	5,771
14	16,979	20,501	15,585	20,907	6,690
16	19,405	23,429	17,812	23,894	7,646
525mA					
02	3,516	4,241	3,228	4,330	N/A
04	7,033	8,482	6,456	8,660	N/A
06	10,429	12,578	9,573	12,842	N/A
08	13,905	16,771	12,764	17,122	N/A
10	17,340	20,913	15,917	21,352	N/A
12	20,808	25,096	19,100	25,622	N/A
14	24,122	29,093	22,142	29,703	N/A
16	27,568	33,250	25,305	33,946	N/A
700mA					
02	4,148	5,006	3,807	5,107	N/A
04	8,296	10,011	7,615	10,215	N/A
06	12,301	14,845	11,292	15,147	N/A

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

Luminaire EPA

Fixed Arm Mount – ARE-EDG-DA						
LED Count (x10)	Single	2 @ 90°	2 @ 180°	3 @ 90°	3 @ 120°	4 @ 90°
						
02	0.60	0.87	1.20	1.47	1.47	1.75
04	0.60	0.87	1.20	1.47	1.47	1.75
06	0.60	0.92	1.20	1.51	1.51	1.83
08	0.60	0.96 N/A with 3" poles	1.20	1.55 N/A with 3" poles	1.55	1.91 N/A with 3" poles
10	0.60	1.00 N/A with 3" poles	1.20	1.60 N/A with 3" poles	1.60	2.00 N/A with 3" poles
12	0.60	1.04 N/A with 3" poles	1.20	1.64 N/A with 3" poles	1.64	2.08 N/A with 3" poles
14	0.60	1.08 N/A with 3" or 4" poles	1.20	1.68 N/A with 3" or 4" poles	1.68	2.16 N/A with 3" or 4" poles
16	0.60	1.12 N/A with 3" or 4" poles	1.20	1.72 N/A with 3" or 4" poles	1.72	2.24 N/A with 3" or 4" poles
Fixed Arm Mount – ARE-EDG-DL						
02	0.75	1.02	1.50	1.77	1.77	1.91
04	0.75	1.02	1.50	1.77	1.77	1.91
06	0.75	1.07	1.50	1.82	1.82	1.98
08	0.75	1.11	1.50	1.86	1.86	2.04
10	0.75	1.15	1.50	1.90	1.90	2.10
12	0.75	1.19	1.50	1.94	1.94	2.16
14	0.75	1.23	1.50	1.98	1.98	2.22
16	0.75	1.27	1.50	2.02	2.02	2.28

Fixture Mounting Drill Pattern for DA and DL Mounts



Luminaire EPA

Adjustable Arm Mount – ARE-EDG-AA/FLD-EDG-AA/SA									
LED Count (x10)	Single	2 @ 90°	2 @ 180°	In-Line 2 @ 180°	3 @ 90°	3 @ 120°	In-Line 3 @ 180°	4 @ 90°	In-Line 4 @ 180°
Tenon Configuration If used with Cree Lighting tenons, please add tenon EPA with Luminaire EPA									
									
	Vertical: PB-1A*; PT-1; PW-1A3** Horizontal: By others	Vertical: PB-2A*; PB-2R2.375; PW-2A3** Horizontal: PD-2A4(90); PT-2(90)	Vertical: PB-2A*; PB-2R2.375; PW-2A3** Horizontal: PD-2A4(180); PT-2(180)	Vertical: PB-2A*; PB-2R2.375	Vertical: PB-3A*; PB-3R2.375 Horizontal: PD-3A4(90); PT-3(90)	Vertical: PB-3A*; PB-3R2.375 Horizontal: PT-3(120)	Vertical: PB-3A*; PB-3R2.375	Vertical: PB-4A*(90); PB-4R2.375 Horizontal: PD-4A4(90) PT-4(90)	Vertical: PB-4A*(180); PB-4R2.375
0° Tilt									
02	0.66	0.98	1.32	1.32	1.77	1.64	1.98	1.91	2.64
04	0.66	0.98	1.32	1.32	1.64	1.64	1.98	1.97	2.64
06	0.66	1.02	1.32	1.32	1.68	1.68	1.98	2.05	2.64
08	0.66	1.07	1.32	1.32	1.80	1.72	1.98	2.29	2.64
10	0.66	1.11	1.32	1.32	1.76	1.76	1.98	2.21	2.64
12	0.66	1.15	1.32	1.32	1.80	1.80	1.98	2.29	2.64
14	0.66	1.19	1.32	1.32	1.84	1.84	1.98	2.38	2.64
16	0.66	1.23	1.32	N/A	1.89	1.89	N/A	2.46	N/A
30° Tilt									
02	0.71	1.37	1.42	1.42	2.08	2.08	2.13	2.73	2.84
04	0.71	1.37	1.42	1.42	2.08	2.08	2.13	2.73	2.84
06	0.82	1.48	1.64	1.64	2.30	2.30	2.46	2.95	3.28
08	0.93	1.59	1.86	1.86	2.52	2.52	2.79	3.17	3.72
10	1.04	1.70	2.08	2.08	2.74	2.74	3.12	3.40	4.16
12	1.15	1.81	2.30	2.30	2.96	2.96	3.45	3.62	4.60
14	1.26	1.92	2.52	2.52	3.18	3.18	3.78	3.84	5.04
16	1.37	2.03	2.74	N/A	3.40	3.40	N/A	4.06	N/A
45° Tilt									
02	0.89	1.55	1.78	1.78	2.45	2.45	2.67	3.10	3.56
04	0.89	1.55	1.78	1.78	2.45	2.45	2.67	3.10	3.56
06	1.03	1.69	2.06	2.06	2.72	2.72	3.09	3.38	4.12
08	1.17	1.83	2.34	2.34	3.00	3.00	3.51	3.66	4.68
10	1.31	1.97	2.62	2.62	3.28	3.28	3.93	3.94	5.24
12	1.45	2.11	2.90	2.90	3.56	3.56	4.35	4.21	5.80
14	1.59	2.25	3.18	3.18	3.83	3.83	4.77	4.49	6.36
16	1.73	2.38	3.46	N/A	4.11	4.11	N/A	4.77	N/A
60° Tilt									
02	1.20	1.86	2.40	2.40	3.06	3.06	3.60	3.72	4.80
04	1.20	1.86	2.40	2.40	3.06	3.06	3.60	3.72	4.80
06	1.39	2.05	2.78	2.78	3.44	3.44	4.17	4.10	5.56
08	1.58	2.23	3.16	3.16	3.81	3.81	4.74	4.47	6.32
10	1.77	2.42	3.54	3.54	4.19	4.19	5.31	4.84	7.08
12	1.95	2.61	3.90	3.90	4.56	4.56	5.85	5.22	7.80
14	2.14	2.80	4.28	4.28	4.94	4.94	6.42	5.59	8.56
16	2.33	2.98	4.66	N/A	5.31	5.31	N/A	5.97	N/A

* Specify pole size: 3 [3"], 4 [4"], 5 [5"], or 6 [6"] for single, double or triple luminaire orientation or 4 [4"], 5 [5"], or 6 [6"] for quad luminaire orientation
 ** These EPA values must be multiplied by the following ratio: Fixture Mounting Height/Total Pole Height. Specify pole size: 3 [3"], 4 [4"], 5 [5"], or 6 [6"]

THE EDGE® LED Area/Flood Luminaire

Luminaire EPA

Adjustable Arm Mount – ARE-EDG-AA/FLD-EDG-AA/SA									
LED Count (x10)	Single	2 @ 90°	2 @ 180°	In-Line 2 @ 180°	3 @ 90°	3 @ 120°	In-Line 3 @ 180°	4 @ 90°	In-Line 4 @ 180°
Tenon Configuration If used with Cree Lighting tenons, please add tenon EPA with Luminaire EPA									
									
	Vertical: PB-1A*; PT-1; PW-1A3** Horizontal: By others	Vertical: PB-2A*; PB-2R2.375; PW-2A3** Horizontal: PD-2A4(90); PT-2(90)	Vertical: PB-2A*; PB-2R2.375; PW-2A3** Horizontal: PD-2A4(180); PT-2(180)	Vertical: PB-2A*; PB-2R2.375	Vertical: PB-3A*; PB-3R2.375 Horizontal: PD-3A4(90); PT-3(90)	Vertical: PB-3A*; PB-3R2.375 Horizontal: PT-3(120)	Vertical: PB-3A*; PB-3R2.375	Vertical: PB-4A*(90); PB-4R2.375 Horizontal: PD-4A4(90) PT-4(90)	Vertical: PB-4A*(180); PB-4R2.375
90° Tilt									
02	1.85	2.51	3.70	3.64	4.36	4.36	5.55	5.02	7.40
04	1.85	2.51	3.70	3.64	4.36	4.36	5.55	5.02	7.40
06	2.14	2.80	4.28	4.22	4.94	4.94	6.42	5.59	8.56
08	2.43	3.09	4.86	4.78	5.51	5.51	7.29	6.17 N/A with horizontal tenon	9.72
10	2.71	3.37	5.42	5.34	6.08	6.08	8.13	6.74 N/A with horizontal tenon	10.84
12	3.00	3.66	6.00	5.90	6.66	6.66	9.00	7.31 N/A with horizontal tenon	12.00
14	3.29	3.95 N/A with PW-2A3**	6.58	6.48	7.23	7.23	9.87	7.89 N/A with horizontal tenon	13.16
16	3.57	4.23 N/A with PW-2A3**	7.14	N/A	7.81	7.81	N/A	8.46 N/A with horizontal tenon	N/A

* Specify pole size: 3 [3"], 4 [4"], 5 [5"], or 6 [6"] for single, double or triple luminaire orientation or 4 [4"], 5 [5"], or 6 [6"] for quad luminaire orientation
 ** These EPA values must be multiplied by the following ratio: Fixture Mounting Height/Total Pole Height. Specify pole size: 3 [3"], 4 [4"], 5 [5"], or 6 [6"]

Tenon EPA

Part Number	EPA
PB-1A*	None
PB-2A*	0.82
PB-3A*	1.52
PB-4A*(180)	2.22
PB-4A*(90)	1.11
PB-2R2.375	0.92
PB-3R2.375	1.62
PB-4R2.375	2.32
PD Series Tenons	0.09
PT Series Tenons	0.10
PW-1A3**	0.47
PW-2A3**	0.94
WM-2	0.08
WM-4	0.25
WM-DM	None

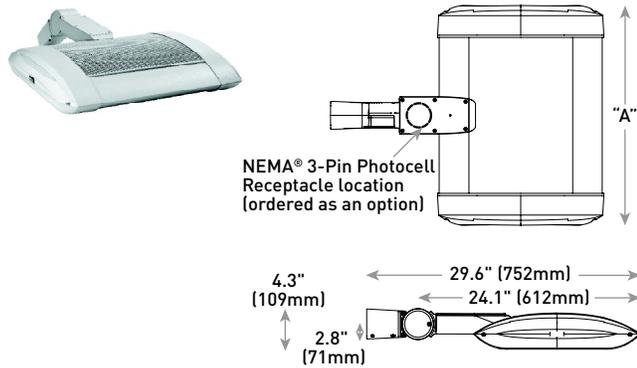
* Specify pole size: 3 [3"], 4 [4"], 5 [5"], or 6 [6"] for single, double or triple luminaire orientation or 4 [4"], 5 [5"], or 6 [6"] for quad luminaire orientation
 ** These EPA values must be multiplied by the following ratio: Fixture Mounting Height/Total Pole Height. Specify pole size: 3 [3"], 4 [4"], 5 [5"], or 6 [6"]

Tenons and Brackets [†] (must specify color)	
<p>Square Internal Mount Vertical Tenons (Steel) - Mounts to 3-6" (76-152mm) square aluminum or steel poles PB-1A* – Single PB-4A*(90) – 90° Quad PB-2A* – 180° Twin PB-4A*(180) – 180° Quad PB-3A* – 180° Triple</p> <p>Square Internal Mount Horizontal Tenons (Aluminum) - Mounts to 4" (102mm) square aluminum or steel poles PD-2A4(90) – 90° Twin PD-3A4(90) – 90° Triple PD-2A4(180) – 180° Twin PD-4A4(90) – 90° Quad</p> <p>Wall Mount Brackets - Mounts to wall or roof WM-2 – Horizontal for AA and SA mounts WM-4 – L-Shape for AA and SA mounts WM-DM – Plate for DA and DL mounts</p>	<p>Round External Mount Vertical Tenons (Steel) - Mounts to 2.375" (60mm) O.D. round aluminum or steel poles or tenons PB-2R2.375 – Twin PB-4R2.375 – Quad PB-3R2.375 – Triple</p> <p>Round External Mount Horizontal Tenons (Aluminum) - Mounts to 2.375" (60mm) O.D. round aluminum or steel poles or tenons - Mounts to square pole with PB-1A* tenon PT-1 – Single (Vertical) PT-3(90) – 90° Triple PT-2(90) – 90° Twin PT-3(120) – 120° Triple PT-2(180) – 180° Twin PT-4(90) – 90° Quad</p> <p>Mid-Pole Bracket - Mounts to square pole PW-1A3** – Single PW-2A3** – Double</p> <p>Ground Mount Post - For ground mounted flood luminaires PGM-1 - For use with AA and SA mounts</p>

[†] Refer to the [Bracket and Tenons spec sheet](#) for more details

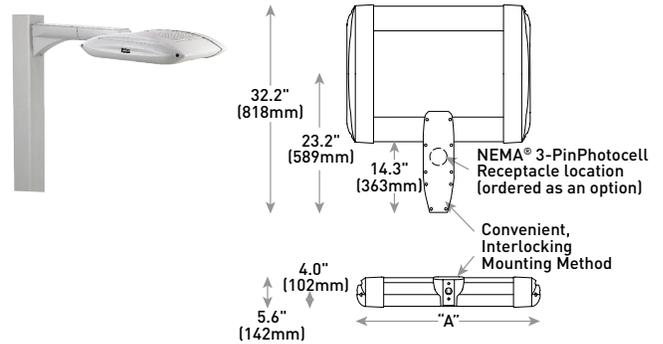
THE EDGE® LED Area/Flood Luminaire

AA Mount



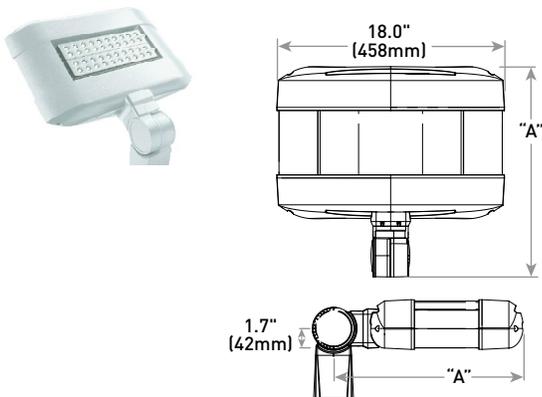
LED Count (x10)	Dim. "A"	Weight
02	12.1" (306mm)	21 lbs. (10kg)
04	12.1" (306mm)	24 lbs. (11kg)
06	14.1" (357mm)	27 lbs. (12kg)
08	16.1" (408mm)	28 lbs. (13kg)
10	18.1" (459mm)	32 lbs. (15kg)
12	20.1" (510mm)	34 lbs. (15kg)
14	22.1" (560mm)	37 lbs. (17kg)
16	24.1" (611mm)	41 lbs. (19kg)

DL Mount



LED Count (x10)	Dim. "A"	Weight
02	12.1" (306mm)	23 lbs. (10kg)
04	12.1" (306mm)	26 lbs. (12kg)
06	14.1" (357mm)	29 lbs. (13kg)
08	16.1" (408mm)	30 lbs. (14kg)
10	18.1" (459mm)	34 lbs. (15kg)
12	20.1" (510mm)	36 lbs. (16kg)
14	22.1" (560mm)	42 lbs. (19kg)
16	24.1" (611mm)	44 lbs. (20kg)

SA Mount



LED Count (x10)	Dim. "A"	Weight
02	16.0" (406mm)	25 lbs. (11kg)
04	18.0" (457mm)	26 lbs. (12kg)
06	20.0" (508mm)	28 lbs. (13kg)

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THE EDGE® Series TYPE AX

LED Area/Flood Luminaire

Rev. Date: V11 09/07/2021

Product Description

THE EDGE® Series has a slim, low profile design. Its rugged cast aluminum housing minimizes wind load requirements and features an integral, weathertight LED driver compartment and high performance aluminum heat sinks. Various mounting choices: Adjustable Arm, Direct Arm, Direct Arm Long, or Side Arm (details on page 2). Includes a leaf/debris guard.

Applications: Parking lots, walkways, campuses, car dealerships, office complexes, and internal roadways

GC TO VERIFY THAT FIXTURES CAN BE MOUNTED PER PLAN AND ALL NECESSARY HARDWARE IS SPECIFIED FOR INSTALLATION PRIOR TO PURCHASING

Performance Summary

- Patented NanoOptic® Product Technology
- Assembled in the U.S.A. of U.S. and imported parts
- CRI:** Minimum 70 CRI (4000K & 5700K); 80 CRI (3000K); 90 CRI (5000K)
- CCT:** Turtle Friendly Amber, 3000K (+/- 300K), 4000K (+/- 300K), 5000K (+/- 500K), 5700K (+/- 500K) standard
- Limited Warranty*:** 10 years on luminaire/10 years on Colorfast DeltaGuard® finish /1 year on accessories

*See <http://creelighting.com/warranty> for warranty terms

Accessories

Field-Installed	
Bird Spikes XA-BRDSPK	Backlight Control Shields XA-20BLS-4 - Four-pack - Unpainted stainless steel
Hand-Held Remote XA-SENSREM - For successful implementation of the programmable multi-level option, a minimum of one hand-held remote is required	Shorting Cap XA-XSLSHRT
	NEMA® 3-Pin Photocell C-ACC-A-PCCELL-NEMA3-LV - On/off functionality only - Available with UL voltage only

GC TO VERIFY AND SPECIFY IF NOT UL **GC TO REFERENCE PLANS FOR COLOR DESIGNATION**

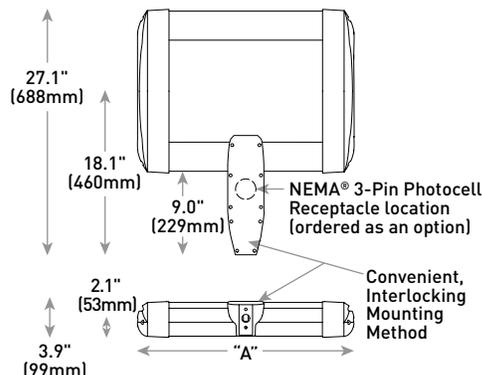
Ordering Information

Example: ARE-EDG-2M-AA-12-E-UL-SV-350

Product	Optic	Mounting*	LED Count (x10)	Series	Voltage	Color Options	Drive Current	Options			
ARE-EDG	2M Type II Medium	3MB Type III Medium w/BLS	4MP Type IV Medium w/Partial BLS	AA Adjustable Arm	02	E	UL Universal 120-277V	BK Black	350 350mA	DIM 0-10V Dimming - Control by others - Refer to Dimming spec sheet for details - Can't exceed specified drive current - Not available with PML options F Fuse - Compatible only with 120V, 277V or 347V (phase to neutral) - Consult factory if fusing is required for 208V, 240V or 480V (phase to phase) - Refer to PML spec sheet for availability with PML options - When code dictates fusing, use time delay fuse HL Hi/Low (Dual Circuit Input) - Refer to HL spec sheet for details - Sensor not included P Photocell - Refer to PML spec sheet for availability with PML options - Available with UL voltage only PML Programmable Multi-Level, 20-40' Mounting Height - Refer to PML spec sheet for details - Intended for downlight applications at 0° tilt PML2 Programmable Multi-Level, 10-30' Mounting Height - Refer to PML spec sheet for details - Intended for downlight applications at 0° tilt R NEMA® 3-Pin Photocell Receptacle - 3-pin receptacle per ANSI C136.10 - Not available with SA mount - Intended for downlight applications with maximum 45° tilt - Requires photocell or shorting cap by others - Refer to PML spec sheet for availability with PML options 30K 3000K Color Temperature - Minimum 80 CRI - Color temperature per luminaire 40K 4000K Color Temperature - Minimum 70 CRI - Color temperature per luminaire 50K 5000K Color Temperature - Minimum 90 CRI - Color temperature per luminaire TRL Amber Turtle Friendly LEDs - Available only with 350mA - 600nm dominant wavelength - Additional shielding (by others) may be required for Florida Fish and Wildlife Conservation Commission compliance	
					04						525
	06	525mA									
	08	700									
	10	700mA									
	12	- Available with 20-60 LEDs									
	14										
	16										
	FLD-EDG	25 25° Flood	70 70° Flood	N6 NEMA® 6	AA Adjustable Arm	E	UL	BK	350		SA Side Arm - Available with 20-60 LEDs
40 40° Flood		SN Sign	SA Side Arm	E	UL	BK	350	SA Side Arm - Available with 20-60 LEDs			
									40 40° Flood	SN Sign	

* Reference EPA and pole configuration suitability data beginning on page 19

DA Mount **GC TO SEE NOTES BELOW**



LED Count (x10)	Dim. "A"	Weight
02	12.1" (306mm)	21 lbs. (10kg)
04	12.1" (306mm)	24 lbs. (11kg)
06	14.1" (357mm)	27 lbs. (12kg)
08	16.1" (408mm)	28 lbs. (13kg)
10	18.1" (459mm)	32 lbs. (15kg)
12	20.1" (510mm)	34 lbs. (15kg)
14	22.1" (560mm)	37 lbs. (17kg)
16	24.1" (611mm)	41 lbs. (19kg)

AA/DL/SA Mount - see page 22 for weight & dimensions



Product Specifications

CONSTRUCTION & MATERIALS

- Slim, low profile, minimizing wind load requirements
- Luminaire sides are rugged die cast aluminum with integral, weathertight LED driver compartment and high performance heat sinks
- DA and DL mount utilizes convenient interlocking mounting method. Mounting is rugged die cast aluminum, mounts to 3-6" (76-152mm) square or round pole and secures to pole with 5/16-18 UNC bolts spaced on 2" (51mm) centers
- AA and SA mounts are rugged die cast aluminum and mount to 2" (51mm) IP, 2.375" (60mm) O.D. tenons
- Includes leaf/debris guard
- Exclusive Colorfast DeltaGuard® finish features an E-Coat epoxy primer with an ultra-durable powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation and abrasion. Black, bronze, silver, and white are available
- **Weight:** See Dimensions and Weight Charts on pages 1 and 22

ELECTRICAL SYSTEM

- **Input Voltage:** 120-277V or 347-480V, 50/60Hz, Class 1 drivers
- **Power Factor:** > 0.9 at full load
- **Total Harmonic Distortion:** < 20% at full load
- DA and DL mounts designed with integral weathertight electrical box with terminal strips (12Ga-20Ga) for easy power hookup
- Integral 10kV surge suppression protection standard
- When code dictates fusing, a slow blow fuse or type C/D breaker should be used to address inrush current
- **Maximum 10V Source Current:** 20 LED (350mA): 10mA; 20 LED (525 & 700mA) and 40-80 LED: 0.15mA; 100-160 LED: 0.30mA

REGULATORY & VOLUNTARY QUALIFICATIONS

- cULus Listed
- Suitable for wet locations
- Enclosure rated IP66 per IEC 60529 when ordered without P or R options
- Consult factory for CE Certified products
- Certified to ANSI C136.31-2001, 3G bridge and overpass vibration standards when ordered with AA, DA and DL mounts
- ANSI C136.2 10kV surge protection, tested in accordance with IEEE/ANSI C62.41.2
- Meets FCC Part 15, Subpart B, Class A limits for conducted and radiated emissions
- Luminaire and finish endurance tested to withstand 5,000 hours of elevated ambient salt fog conditions as defined in ASTM Standard B 117
- DLC qualified with select SKUs. Refer to <https://www.designlights.org/search/> for most current information
- Meets Buy American requirements within ARRA
- **CA RESIDENTS WARNING:** Cancer and Reproductive Harm – www.p65warnings.ca.gov

Electrical Data*								
LED Count (x10)	CCT	System Watts 120-480V	Total Current (A)					
			120V	208V	240V	277V	347V	480V
350mA								
02	30K/40K/50K/57K	25	0.21	0.13	0.11	0.10	0.08	0.07
	TRL	19	0.16	0.09	0.08	0.07	0.05	0.04
04	30K/40K/50K/57K	46	0.36	0.23	0.21	0.20	0.15	0.12
	TRL	35	0.29	0.17	0.15	0.13	0.10	0.07
06	30K/40K/50K/57K	66	0.52	0.31	0.28	0.26	0.20	0.15
	TRL	50	0.41	0.24	0.21	0.18	0.14	0.10
08	30K/40K/50K/57K	90	0.75	0.44	0.38	0.34	0.26	0.20
	TRL	68	0.57	0.33	0.28	0.25	0.20	0.14
10	30K/40K/50K/57K	110	0.92	0.53	0.47	0.41	0.32	0.24
	TRL	83	0.69	0.40	0.35	0.30	0.24	0.17
12	30K/40K/50K/57K	130	1.10	0.63	0.55	0.48	0.38	0.28
	TRL	99	0.82	0.48	0.41	0.36	0.28	0.21
14	30K/40K/50K/57K	158	1.32	0.77	0.68	0.62	0.47	0.35
	TRL	120	1.00	0.58	0.50	0.43	0.34	0.25
16	30K/40K/50K/57K	179	1.49	0.87	0.77	0.68	0.53	0.39
	TRL	136	1.13	0.65	0.57	0.49	0.39	0.28
525mA								
02	30K/40K/50K/57K	37	0.30	0.19	0.17	0.16	0.12	0.10
04	30K/40K/50K/57K	70	0.58	0.34	0.31	0.28	0.21	0.16
06	30K/40K/50K/57K	101	0.84	0.49	0.43	0.38	0.30	0.22
08	30K/40K/50K/57K	133	1.13	0.66	0.58	0.51	0.39	0.28
10	30K/40K/50K/57K	171	1.43	0.83	0.74	0.66	0.50	0.38
12	30K/40K/50K/57K	202	1.69	0.98	0.86	0.77	0.59	0.44
14	30K/40K/50K/57K	232	1.94	1.12	0.98	0.87	0.68	0.50
16	30K/40K/50K/57K	263	2.21	1.27	1.11	0.97	0.77	0.56
700mA								
02	30K/40K/50K/57K	50	0.41	0.25	0.22	0.20	0.15	0.12
04	30K/40K/50K/57K	93	0.78	0.46	0.40	0.36	0.27	0.20
06	30K/40K/50K/57K	134	1.14	0.65	0.57	0.50	0.39	0.29

* Electrical data at 25°C (77°F). Actual wattage may differ by +/- 10% when operating between 120-277V or 347-480V +/- 10%

THE EDGE® Series Ambient Adjusted Lumen Maintenance¹

Ambient	CCT	Initial LMF	25K hr Reported ² LMF	50K hr Reported ² LMF	75K hr Reported ² / Estimated ³ LMF	100K hr Reported ³ / Estimated ³ LMF
5°C (41°F)	30K/40K/50K/57K	1.04	1.03	1.03	1.03 ³	1.03
	TRL	1.06	1.06	1.06	1.06 ³	1.06
10°C (50°F)	30K/40K/50K/57K	1.03	1.02	1.02	1.02 ²	1.02
	TRL	1.04	1.04	1.04	1.04 ³	1.04
15°C (59°F)	30K/40K/50K/57K	1.02	1.01	1.01	1.01 ²	1.01
	TRL	1.03	1.03	1.03	1.03 ³	1.03
20°C (68°F)	30K/40K/50K/57K	1.01	0.99	0.99	0.99 ²	0.99
	TRL	1.01	1.01	1.01	1.01 ³	1.01
25°C (77°F)	30K/40K/50K/57K	1.00	0.98	0.98	0.98 ²	0.98
	TRL	1.00	1.00	1.00	1.00 ³	1.00

¹ Lumen maintenance values at 25°C (77°F) are calculated per IES TM-21 based on IES LM-80 report data for the LED package and in-situ luminaire testing. Luminaire ambient temperature factors (LATF) have been applied to all lumen maintenance factors. Please refer to the [Temperature Zone Reference Document](#) for outdoor average nighttime ambient conditions.

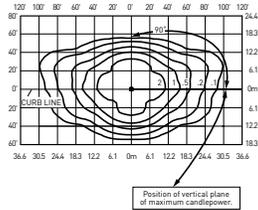
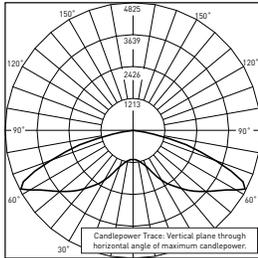
² In accordance with IES TM-21, Reported values represent interpolated values based on time durations that are up to 6x the tested duration in the IES LM-80 report for the LED.

³ Estimated values are calculated and represent time durations that exceed the 6x test duration of the LED.

Photometry

All published luminaire photometric testing performed to IES LM-79-08 standards. To obtain an IES file specific to your project consult: <http://creelighting.com/products/outdoor/area/cree-edge-series-1>

2M



RESTL Test Report #: PL10270-004B
 ARE-EDG-2M-**-06-E-UL-525-40K
 Initial Delivered Lumens: 10,053

ARE-EDG-2M-**-10-E-UL-525-40K
 Mounting Height: 25' (7.6m) A.F.G.
 Initial Delivered Lumens: 17,504
 Initial FC at grade

Type II Medium Distribution										
LED Count (x10)	3000K		4000K		5000K		5700K		TRL	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
350mA										
02	2,072	B1 U0 G1	2,501	B1 U0 G1	1,902	B1 U0 G1	2,551	B1 U0 G1	816	B0 U0 G0
04	4,143	B2 U0 G1	5,003	B2 U0 G2	3,803	B1 U0 G1	5,102	B2 U0 G2	1,633	B1 U0 G1
06	6,144	B2 U0 G2	7,418	B2 U0 G2	5,640	B2 U0 G2	7,565	B2 U0 G2	2,421	B1 U0 G1
08	8,192	B2 U0 G2	9,891	B3 U0 G3	7,519	B2 U0 G2	10,087	B3 U0 G3	3,228	B1 U0 G1
10	10,215	B3 U0 G3	12,334	B3 U0 G3	9,377	B3 U0 G3	12,578	B3 U0 G3	4,025	B2 U0 G1
12	12,258	B3 U0 G3	14,801	B3 U0 G3	11,252	B3 U0 G3	15,094	B3 U0 G3	4,830	B2 U0 G2
14	14,211	B3 U0 G3	17,158	B3 U0 G3	13,044	B3 U0 G3	17,498	B3 U0 G3	5,599	B2 U0 G2
16	16,241	B3 U0 G3	19,609	B3 U0 G3	14,908	B3 U0 G3	19,998	B4 U0 G3	6,399	B2 U0 G2
525mA										
02	2,943	B1 U0 G1	3,550	B1 U0 G1	2,702	B1 U0 G1	3,624	B1 U0 G1		N/A
04	5,886	B2 U0 G2	7,099	B2 U0 G2	5,403	B2 U0 G2	7,248	B2 U0 G2		N/A
06	8,729	B3 U0 G3	10,527	B3 U0 G3	8,012	B2 U0 G2	10,748	B3 U0 G3		N/A
08	11,638	B3 U0 G3	14,037	B3 U0 G3	10,683	B3 U0 G3	14,331	B3 U0 G3		N/A
10	14,513	B3 U0 G3	17,504	B3 U0 G3	13,322	B3 U0 G3	17,870	B3 U0 G3		N/A
12	17,415	B3 U0 G3	21,004	B4 U0 G4	15,986	B3 U0 G3	21,444	B4 U0 G4		N/A
14	20,189	B4 U0 G3	24,350	B4 U0 G4	18,532	B3 U0 G3	24,860	B4 U0 G4		N/A
16	23,074	B4 U0 G4	27,828	B4 U0 G4	21,179	B4 U0 G4	28,411	B4 U0 G4		N/A
700mA										
02	3,472	B1 U0 G1	4,189	B2 U0 G1	3,187	B1 U0 G1	4,275	B2 U0 G2		N/A
04	6,943	B2 U0 G2	8,379	B2 U0 G2	6,373	B2 U0 G2	8,549	B3 U0 G3		N/A
06	10,296	B3 U0 G3	12,425	B3 U0 G3	9,451	B3 U0 G3	12,678	B3 U0 G3		N/A

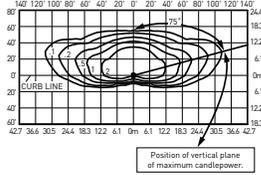
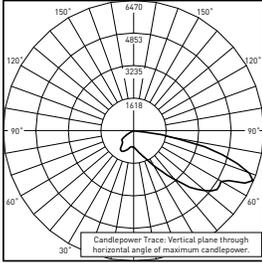
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
 ** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>.

THE EDGE® LED Area/Flood Luminaire

Photometry

All published luminaire photometric testing performed to IES LM-79-08 standards. To obtain an IES file specific to your project consult: <http://creelighting.com/products/outdoor/area/cree-edge-series-1>

2MB



RESTL Test Report #: PL10023-003B
 ARE-EDG-2MB-**-06-E-UL-525-40K
 Initial Delivered Lumens: 7,784

ARE-EDG-2MB-**-10-E-UL-525-40K
 Mounting Height: 25' (7.6m) A.F.G.
 Initial Delivered Lumens: 13,185
 Initial FC at grade

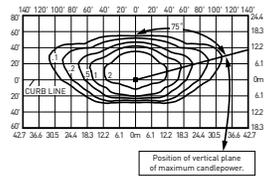
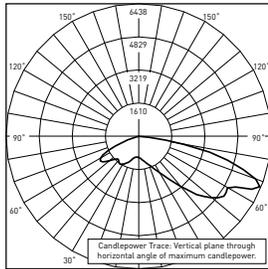
Type II Medium Distribution w/BLS										
LED Count (x10)	3000K		4000K		5000K		5700K		TRL	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
350mA										
02	1,560	B0 U0 G1	1,884	B0 U0 G1	1,432	B0 U0 G1	1,921	B0 U0 G1	615	B0 U0 G0
04	3,121	B0 U0 G1	3,768	B1 U0 G1	2,865	B0 U0 G1	3,843	B1 U0 G1	1,230	B0 U0 G1
06	4,628	B1 U0 G1	5,588	B1 U0 G1	4,248	B1 U0 G1	5,698	B1 U0 G1	1,824	B0 U0 G1
08	6,170	B1 U0 G1	7,450	B1 U0 G2	5,664	B1 U0 G1	7,598	B1 U0 G2	2,431	B0 U0 G1
10	7,695	B1 U0 G2	9,291	B1 U0 G2	7,063	B1 U0 G2	9,475	B1 U0 G2	3,032	B0 U0 G1
12	9,233	B1 U0 G2	11,149	B1 U0 G2	8,476	B1 U0 G2	11,370	B1 U0 G2	3,638	B1 U0 G1
14	10,704	B1 U0 G2	12,924	B1 U0 G2	9,825	B1 U0 G2	13,181	B1 U0 G2	4,218	B1 U0 G1
16	12,233	B1 U0 G2	14,771	B1 U0 G3	11,229	B1 U0 G2	15,063	B1 U0 G3	4,820	B1 U0 G1
525mA										
02	2,217	B0 U0 G1	2,674	B0 U0 G1	2,035	B0 U0 G1	2,730	B0 U0 G1		N/A
04	4,434	B1 U0 G1	5,348	B1 U0 G1	4,070	B1 U0 G1	5,460	B1 U0 G1		N/A
06	6,575	B1 U0 G2	7,930	B1 U0 G2	6,035	B1 U0 G1	8,096	B1 U0 G2		N/A
08	8,766	B1 U0 G2	10,573	B1 U0 G2	8,047	B1 U0 G2	10,794	B1 U0 G2		N/A
10	10,932	B1 U0 G2	13,185	B1 U0 G2	10,034	B1 U0 G2	13,461	B1 U0 G2		N/A
12	13,118	B1 U0 G2	15,821	B2 U0 G3	12,041	B1 U0 G2	16,153	B2 U0 G3		N/A
14	15,208	B1 U0 G3	18,341	B2 U0 G3	13,959	B1 U0 G2	18,726	B2 U0 G3		N/A
16	17,380	B2 U0 G3	20,962	B2 U0 G3	15,953	B2 U0 G3	21,401	B2 U0 G3		N/A
700mA										
02	2,615	B0 U0 G1	3,156	B0 U0 G1	2,400	B0 U0 G1	3,220	B0 U0 G1		N/A
04	5,230	B1 U0 G1	6,311	B1 U0 G2	4,801	B1 U0 G1	6,440	B1 U0 G2		N/A
06	7,755	B1 U0 G2	9,359	B1 U0 G2	7,119	B1 U0 G2	9,549	B1 U0 G2		N/A

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
 ** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>

Photometry

All published luminaire photometric testing performed to IES LM-79-08 standards. To obtain an IES file specific to your project consult: <http://creelighting.com/products/outdoor/area/cree-edge-series-1>

2MP



RESTL Test Report #: PL10097-001B
ARE-EDG-2MP--06-E-UL-525-40K**
Initial Delivered Lumens: 9,149

ARE-EDG-2MP--10-E-UL-525-40K**
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 15,458
Initial FC at grade

Type II Medium Distribution w/Partial BLS										
LED Count (x10)	3000K		4000K		5000K		5700K		TRL	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
350mA										
02	1,829	B1 U0 G1	2,209	B1 U0 G1	1,679	B1 U0 G1	2,253	B1 U0 G1	721	B0 U0 G0
04	3,659	B1 U0 G1	4,418	B1 U0 G1	3,359	B1 U0 G1	4,505	B1 U0 G1	1,442	B0 U0 G1
06	5,426	B1 U0 G1	6,551	B1 U0 G1	4,980	B1 U0 G1	6,681	B1 U0 G1	2,138	B1 U0 G1
08	7,234	B2 U0 G1	8,735	B2 U0 G2	6,640	B1 U0 G1	8,908	B2 U0 G2	2,851	B1 U0 G1
10	9,021	B2 U0 G2	10,892	B2 U0 G2	8,281	B2 U0 G2	11,108	B2 U0 G2	3,555	B1 U0 G1
12	10,825	B2 U0 G2	13,071	B2 U0 G2	9,937	B2 U0 G2	13,330	B2 U0 G2	4,266	B1 U0 G1
14	12,550	B2 U0 G2	15,153	B2 U0 G2	11,520	B2 U0 G2	15,453	B2 U0 G2	4,945	B1 U0 G1
16	14,343	B2 U0 G2	17,317	B2 U0 G2	13,165	B2 U0 G2	17,661	B3 U0 G2	5,651	B1 U0 G1
525mA										
02	2,599	B1 U0 G1	3,135	B1 U0 G1	2,386	B1 U0 G1	3,200	B1 U0 G1		N/A
04	5,198	B1 U0 G1	6,270	B1 U0 G1	4,772	B1 U0 G1	6,401	B1 U0 G1		N/A
06	7,708	B2 U0 G2	9,297	B2 U0 G2	7,076	B2 U0 G1	9,492	B2 U0 G2		N/A
08	10,278	B2 U0 G2	12,396	B2 U0 G2	9,434	B2 U0 G2	12,656	B2 U0 G2		N/A
10	12,817	B2 U0 G2	15,458	B2 U0 G2	11,764	B2 U0 G2	15,782	B2 U0 G2		N/A
12	15,380	B2 U0 G2	18,549	B3 U0 G3	14,117	B2 U0 G2	18,938	B3 U0 G3		N/A
14	17,830	B3 U0 G2	21,504	B3 U0 G3	16,366	B2 U0 G2	21,954	B3 U0 G3		N/A
16	20,377	B3 U0 G3	24,576	B3 U0 G3	18,704	B3 U0 G3	25,091	B3 U0 G3		N/A
700mA										
02	3,066	B1 U0 G1	3,700	B1 U0 G1	2,814	B1 U0 G1	3,775	B1 U0 G1		N/A
04	6,132	B1 U0 G1	7,400	B2 U0 G1	5,628	B1 U0 G1	7,550	B2 U0 G2		N/A
06	9,092	B2 U0 G2	10,973	B2 U0 G2	8,346	B2 U0 G2	11,196	B2 U0 G2		N/A

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

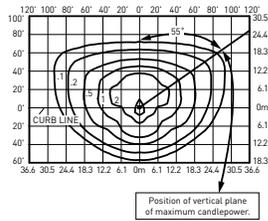
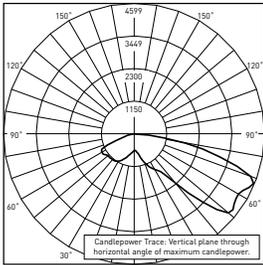
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>.

THE EDGE® LED Area/Flood Luminaire

Photometry

All published luminaire photometric testing performed to IES LM-79-08 standards. To obtain an IES file specific to your project consult: <http://creelighting.com/products/outdoor/area/cree-edge-series-1>

3M



RESTL Test Report #: PL09405-001A
 ARE-EDG-3M-**-06-E-UL-525-40K
 Initial Delivered Lumens: 9,460

ARE-EDG-3M-**-10-E-UL-525-40K
 Mounting Height: 25' (7.6m) A.F.G.
 Initial Delivered Lumens: 16,594
 Initial FC at grade

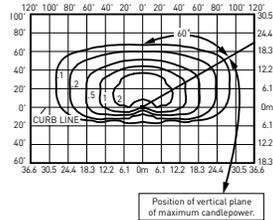
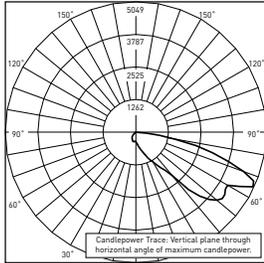
Type III Medium Distribution										
LED Count (x10)	3000K		4000K		5000K		5700K		TRL	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
350mA										
02	1,964	B1 U0 G1	2,371	B1 U0 G1	1,803	B1 U0 G1	2,418	B1 U0 G1	774	B0 U0 G1
04	3,928	B1 U0 G1	4,743	B1 U0 G1	3,606	B1 U0 G1	4,837	B1 U0 G1	1,548	B1 U0 G1
06	5,825	B2 U0 G2	7,033	B2 U0 G2	5,347	B2 U0 G2	7,172	B2 U0 G2	2,295	B1 U0 G1
08	7,766	B2 U0 G2	9,377	B2 U0 G2	7,129	B2 U0 G2	9,563	B2 U0 G2	3,060	B1 U0 G1
10	9,685	B2 U0 G2	11,693	B3 U0 G3	8,890	B2 U0 G2	11,925	B3 U0 G3	3,816	B1 U0 G1
12	11,621	B3 U0 G3	14,032	B3 U0 G3	10,667	B3 U0 G3	14,310	B3 U0 G3	4,579	B1 U0 G1
14	13,472	B3 U0 G3	16,267	B3 U0 G3	12,367	B3 U0 G3	16,589	B3 U0 G3	5,309	B2 U0 G2
16	15,397	B3 U0 G3	18,591	B3 U0 G3	14,133	B3 U0 G3	18,959	B3 U0 G3	6,067	B2 U0 G2
525mA										
02	2,790	B1 U0 G1	3,365	B1 U0 G1	2,561	B1 U0 G1	3,436	B1 U0 G1		N/A
04	5,581	B2 U0 G2	6,731	B2 U0 G2	5,122	B2 U0 G2	6,872	B2 U0 G2		N/A
06	8,275	B2 U0 G2	9,981	B3 U0 G3	7,596	B2 U0 G2	10,190	B3 U0 G3		N/A
08	11,034	B3 U0 G3	13,307	B3 U0 G3	10,128	B3 U0 G3	13,586	B3 U0 G3		N/A
10	13,759	B3 U0 G3	16,594	B3 U0 G3	12,630	B3 U0 G3	16,942	B3 U0 G3		N/A
12	16,511	B3 U0 G3	19,913	B3 U0 G3	15,155	B3 U0 G3	20,330	B3 U0 G3		N/A
14	19,141	B3 U0 G3	23,085	B3 U0 G3	17,569	B3 U0 G3	23,569	B3 U0 G3		N/A
16	21,875	B3 U0 G3	26,383	B4 U0 G4	20,079	B3 U0 G3	26,936	B4 U0 G4		N/A
700mA										
02	3,291	B1 U0 G1	3,972	B1 U0 G1	3,021	B1 U0 G1	4,053	B1 U0 G1		N/A
04	6,582	B2 U0 G2	7,944	B2 U0 G2	6,042	B2 U0 G2	8,105	B2 U0 G2		N/A
06	9,761	B2 U0 G2	11,779	B3 U0 G3	8,960	B2 U0 G2	12,019	B3 U0 G3		N/A

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
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Photometry

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3MB



RESTL Test Report #: PL10023-001B
 ARE-EDG-3MB-**-06-E-UL-525-40K
 Initial Delivered Lumens: 7,602

ARE-EDG-3MB-**-10-E-UL-525-40K
 Mounting Height: 25' (7.6m) A.F.G.
 Initial Delivered Lumens: 12,275
 Initial FC at grade

Type III Medium Distribution w/BLS										
LED Count (x10)	3000K		4000K		5000K		5700K		TRL	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
350mA										
02	1,453	B0 U0 G1	1,754	B0 U0 G1	1,334	B0 U0 G1	1,789	B0 U0 G1	572	B0 U0 G0
04	2,906	B0 U0 G1	3,508	B1 U0 G1	2,667	B0 U0 G1	3,578	B1 U0 G1	1,145	B0 U0 G1
06	4,309	B1 U0 G1	5,202	B1 U0 G1	3,955	B1 U0 G1	5,305	B1 U0 G1	1,698	B0 U0 G1
08	5,745	B1 U0 G2	6,936	B1 U0 G2	5,273	B1 U0 G1	7,074	B1 U0 G2	2,264	B0 U0 G1
10	7,164	B1 U0 G2	8,650	B1 U0 G2	6,576	B1 U0 G2	8,821	B1 U0 G2	2,823	B0 U0 G1
12	8,597	B1 U0 G2	10,380	B1 U0 G2	7,891	B1 U0 G2	10,585	B1 U0 G2	3,387	B1 U0 G1
14	9,966	B1 U0 G2	12,033	B1 U0 G2	9,148	B1 U0 G2	12,272	B1 U0 G2	3,927	B1 U0 G1
16	11,390	B1 U0 G2	13,752	B2 U0 G3	10,455	B1 U0 G2	14,025	B2 U0 G3	4,488	B1 U0 G1
525mA										
02	2,064	B0 U0 G1	2,489	B0 U0 G1	1,895	B0 U0 G1	2,542	B0 U0 G1		N/A
04	4,128	B1 U0 G1	4,979	B1 U0 G1	3,789	B1 U0 G1	5,083	B1 U0 G1		N/A
06	6,121	B1 U0 G2	7,383	B1 U0 G2	5,619	B1 U0 G2	7,538	B1 U0 G2		N/A
08	8,162	B1 U0 G2	9,844	B1 U0 G2	7,492	B1 U0 G2	10,050	B1 U0 G2		N/A
10	10,178	B1 U0 G2	12,275	B1 U0 G2	9,342	B1 U0 G2	12,532	B1 U0 G2		N/A
12	12,213	B1 U0 G2	14,730	B2 U0 G3	11,211	B1 U0 G2	15,039	B2 U0 G3		N/A
14	14,159	B2 U0 G3	17,077	B2 U0 G3	12,996	B1 U0 G2	17,434	B2 U0 G3		N/A
16	16,181	B2 U0 G3	19,516	B2 U0 G3	14,853	B2 U0 G3	19,925	B2 U0 G3		N/A
700mA										
02	2,435	B0 U0 G1	2,938	B1 U0 G1	2,235	B0 U0 G1	2,998	B1 U0 G1		N/A
04	4,869	B1 U0 G1	5,876	B1 U0 G2	4,469	B1 U0 G1	5,996	B1 U0 G2		N/A
06	7,220	B1 U0 G2	8,714	B1 U0 G2	6,628	B1 U0 G2	8,891	B1 U0 G2		N/A

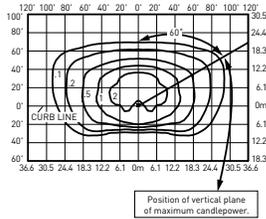
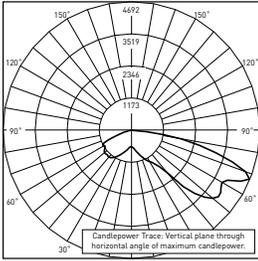
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
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THE EDGE® LED Area/Flood Luminaire

Photometry

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3MP



RESTL Test Report #: PL10097-002B
 ARE-EDG-3MP-**-06-E-UL-525-40K
 Initial Delivered Lumens: 8,670

ARE-EDG-3MP-**-10-E-UL-525-40K
 Mounting Height: 25' (7.6m) A.F.G.
 Initial Delivered Lumens: 14,548
 Initial FC at grade

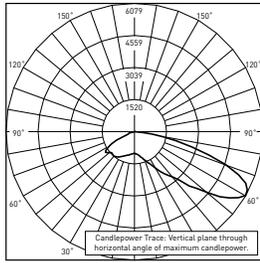
Type III Medium Distribution w/Partial BLS										
LED Count (x10)	3000K		4000K		5000K		5700K		TRL	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
350mA										
02	1,722	B1 U0 G1	2,079	B1 U0 G1	1,581	B1 U0 G1	2,120	B1 U0 G1	678	B0 U0 G1
04	3,444	B1 U0 G1	4,158	B1 U0 G1	3,161	B1 U0 G1	4,240	B1 U0 G1	1,357	B0 U0 G1
06	5,107	B1 U0 G1	6,166	B1 U0 G2	4,687	B1 U0 G1	6,288	B1 U0 G2	2,012	B1 U0 G1
08	6,809	B1 U0 G2	8,221	B2 U0 G2	6,250	B1 U0 G2	8,384	B2 U0 G2	2,683	B1 U0 G1
10	8,491	B2 U0 G2	10,252	B2 U0 G2	7,794	B2 U0 G2	10,455	B2 U0 G2	3,346	B1 U0 G1
12	10,189	B2 U0 G2	12,302	B2 U0 G3	9,352	B2 U0 G2	12,546	B2 U0 G3	4,015	B1 U0 G1
14	11,812	B2 U0 G2	14,261	B3 U0 G3	10,842	B2 U0 G2	14,544	B3 U0 G3	4,654	B1 U0 G1
16	13,499	B2 U0 G3	16,299	B3 U0 G3	12,391	B2 U0 G3	16,622	B3 U0 G3	5,319	B1 U0 G2
525mA										
02	2,446	B1 U0 G1	2,950	B1 U0 G1	2,245	B1 U0 G1	3,012	B1 U0 G1		N/A
04	4,893	B1 U0 G1	5,901	B1 U0 G2	4,491	B1 U0 G1	6,024	B1 U0 G2		N/A
06	7,255	B2 U0 G2	8,750	B2 U0 G2	6,659	B1 U0 G2	8,933	B2 U0 G2		N/A
08	9,673	B2 U0 G2	11,667	B2 U0 G2	8,879	B2 U0 G2	11,911	B2 U0 G2		N/A
10	12,063	B2 U0 G3	14,548	B3 U0 G3	11,072	B2 U0 G2	14,853	B3 U0 G3		N/A
12	14,475	B3 U0 G3	17,458	B3 U0 G3	13,287	B2 U0 G3	17,824	B3 U0 G3		N/A
14	16,781	B3 U0 G3	20,239	B3 U0 G3	15,403	B3 U0 G3	20,663	B3 U0 G3		N/A
16	19,178	B3 U0 G3	23,130	B3 U0 G3	17,604	B3 U0 G3	23,615	B3 U0 G3		N/A
700mA										
02	2,885	B1 U0 G1	3,482	B1 U0 G1	2,649	B1 U0 G1	3,553	B1 U0 G1		N/A
04	5,771	B1 U0 G2	6,964	B1 U0 G2	5,297	B1 U0 G1	7,106	B2 U0 G2		N/A
06	8,557	B2 U0 G2	10,327	B2 U0 G2	7,855	B2 U0 G2	10,537	B2 U0 G2		N/A

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
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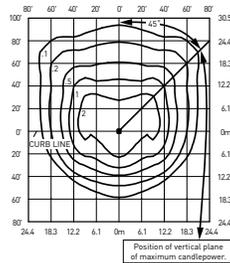
Photometry

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4M



RESTL Test Report #: PL10270-001B
 ARE-EDG-4M-**-06-E-UL-525-40K
 Initial Delivered Lumens: 10,483



ARE-EDG-4M-**-10-E-UL-525-40K
 Mounting Height: 25' (7.6m) A.F.G.
 Initial Delivered Lumens: 17,504
 Initial FC at grade

Type IV Medium Distribution										
LED Count (x10)	3000K		4000K		5000K		5700K		TRL	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
350mA										
02	2,072	B1 U0 G1	2,501	B1 U0 G1	1,902	B1 U0 G1	2,551	B1 U0 G1	816	B0 U0 G1
04	4,143	B1 U0 G1	5,003	B2 U0 G1	3,803	B1 U0 G1	5,102	B2 U0 G1	1,633	B1 U0 G1
06	6,144	B2 U0 G1	7,418	B2 U0 G2	5,640	B2 U0 G1	7,565	B2 U0 G2	2,421	B1 U0 G1
08	8,192	B2 U0 G2	9,891	B2 U0 G2	7,519	B2 U0 G2	10,087	B2 U0 G2	3,228	B1 U0 G1
10	10,215	B2 U0 G2	12,334	B3 U0 G2	9,377	B2 U0 G2	12,578	B3 U0 G2	4,025	B1 U0 G1
12	12,258	B2 U0 G2	14,801	B3 U0 G3	11,252	B2 U0 G2	15,094	B3 U0 G3	4,830	B1 U0 G1
14	14,211	B3 U0 G3	17,158	B3 U0 G3	13,044	B3 U0 G2	17,498	B3 U0 G3	5,599	B2 U0 G1
16	16,241	B3 U0 G3	19,609	B3 U0 G3	14,908	B3 U0 G3	19,998	B3 U0 G3	6,399	B2 U0 G1
525mA										
02	2,943	B1 U0 G1	3,550	B1 U0 G1	2,702	B1 U0 G1	3,624	B1 U0 G1		N/A
04	5,886	B2 U0 G1	7,099	B2 U0 G2	5,403	B2 U0 G1	7,248	B2 U0 G2		N/A
06	8,729	B2 U0 G2	10,527	B2 U0 G2	8,012	B2 U0 G2	10,748	B2 U0 G2		N/A
08	11,638	B2 U0 G2	14,037	B3 U0 G2	10,683	B2 U0 G2	14,331	B3 U0 G2		N/A
10	14,513	B3 U0 G3	17,504	B3 U0 G3	13,322	B3 U0 G2	17,870	B3 U0 G3		N/A
12	17,415	B3 U0 G3	21,004	B3 U0 G3	15,986	B3 U0 G3	21,444	B3 U0 G3		N/A
14	20,189	B3 U0 G3	24,350	B3 U0 G3	18,532	B3 U0 G3	24,860	B4 U0 G3		N/A
16	23,074	B3 U0 G3	27,828	B4 U0 G3	21,179	B3 U0 G3	28,411	B4 U0 G3		N/A
700mA										
02	3,472	B1 U0 G1	4,189	B1 U0 G1	3,187	B1 U0 G1	4,275	B1 U0 G1		N/A
04	6,943	B2 U0 G1	8,379	B2 U0 G2	6,373	B2 U0 G1	8,549	B2 U0 G2		N/A
06	10,296	B2 U0 G2	12,425	B3 U0 G2	9,451	B2 U0 G2	12,678	B3 U0 G2		N/A

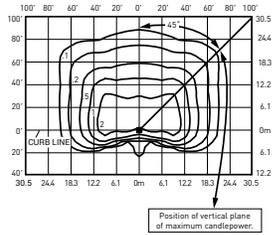
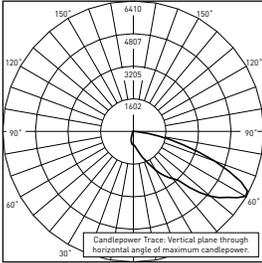
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THE EDGE® LED Area/Flood Luminaire

Photometry

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4MB



RESTL Test Report #: PL10023-002B
 ARE-EDG-4MB-**-06-E-UL-525-40K
 Initial Delivered Lumens: 7,985

ARE-EDG-4MB-**-10-E-UL-525-40K
 Mounting Height: 25' (7.6m) A.F.G.
 Initial Delivered Lumens: 13,185
 Initial FC at grade

Type IV Medium Distribution w/BLS										
LED Count (x10)	3000K		4000K		5000K		5700K		TRL	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
350mA										
02	1,560	B0 U0 G1	1,884	B0 U0 G1	1,432	B0 U0 G1	1,921	B0 U0 G1	615	B0 U0 G0
04	3,121	B1 U0 G1	3,768	B1 U0 G1	2,865	B0 U0 G1	3,843	B1 U0 G1	1,230	B0 U0 G1
06	4,628	B1 U0 G1	5,588	B1 U0 G1	4,248	B1 U0 G1	5,698	B1 U0 G2	1,824	B0 U0 G1
08	6,170	B1 U0 G2	7,450	B1 U0 G2	5,664	B1 U0 G2	7,598	B1 U0 G2	2,431	B0 U0 G1
10	7,695	B1 U0 G2	9,291	B1 U0 G2	7,063	B1 U0 G2	9,475	B1 U0 G2	3,032	B1 U0 G1
12	9,233	B1 U0 G2	11,149	B1 U0 G2	8,476	B1 U0 G2	11,370	B1 U0 G2	3,638	B1 U0 G1
14	10,704	B1 U0 G2	12,924	B1 U0 G2	9,825	B1 U0 G2	13,181	B1 U0 G2	4,218	B1 U0 G1
16	12,233	B1 U0 G2	14,771	B2 U0 G2	11,229	B1 U0 G2	15,063	B2 U0 G2	4,820	B1 U0 G1
525mA										
02	2,217	B1 U0 G1	2,674	B1 U0 G1	2,035	B1 U0 G1	2,730	B1 U0 G1		N/A
04	4,434	B1 U0 G1	5,348	B1 U0 G1	4,070	B1 U0 G1	5,460	B1 U0 G1		N/A
06	6,575	B1 U0 G2	7,930	B1 U0 G2	6,035	B1 U0 G2	8,096	B1 U0 G2		N/A
08	8,766	B1 U0 G2	10,573	B1 U0 G2	8,047	B1 U0 G2	10,794	B1 U0 G2		N/A
10	10,932	B1 U0 G2	13,185	B1 U0 G2	10,034	B1 U0 G2	13,461	B2 U0 G2		N/A
12	13,118	B1 U0 G2	15,821	B2 U0 G3	12,041	B1 U0 G2	16,153	B2 U0 G3		N/A
14	15,208	B2 U0 G2	18,341	B2 U0 G3	13,959	B2 U0 G2	18,726	B2 U0 G3		N/A
16	17,380	B2 U0 G3	20,962	B2 U0 G3	15,953	B2 U0 G3	21,401	B2 U0 G3		N/A
700mA										
02	2,615	B1 U0 G1	3,156	B1 U0 G1	2,400	B1 U0 G1	3,220	B1 U0 G1		N/A
04	5,230	B1 U0 G1	6,311	B1 U0 G2	4,801	B1 U0 G1	6,440	B1 U0 G2		N/A
06	7,755	B1 U0 G2	9,359	B1 U0 G2	7,119	B1 U0 G2	9,549	B1 U0 G2		N/A

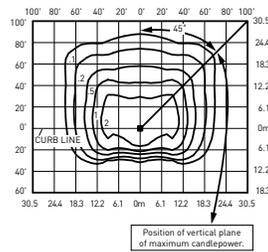
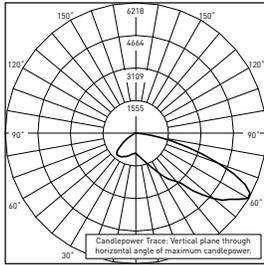
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
 ** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>.

THE EDGE® LED Area/Flood Luminaire

Photometry

All published luminaire photometric testing performed to IES LM-79-08 standards. To obtain an IES file specific to your project consult: <http://creelighting.com/products/outdoor/area/cree-edge-series-1>

4MP



RESL Test Report #: PL10097-003B
 ARE-EDG-4MP-**-06-E-UL-525-40K
 Initial Delivered Lumens: 9,410

ARE-EDG-4MP-**-10-E-UL-525-40K
 Mounting Height: 25' (7.6m) A.F.G.
 Initial Delivered Lumens: 15,458
 Initial FC at grade

Type IV Medium Distribution w/Partial BLS										
LED Count (x10)	3000K		4000K		5000K		5700K		TRL	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
350mA										
02	1,829	B1 U0 G1	2,209	B1 U0 G1	1,679	B1 U0 G1	2,253	B1 U0 G1	721	B0 U0 G0
04	3,659	B1 U0 G1	4,418	B1 U0 G1	3,359	B1 U0 G1	4,505	B1 U0 G1	1,442	B1 U0 G1
06	5,426	B1 U0 G1	6,551	B2 U0 G1	4,980	B1 U0 G1	6,681	B2 U0 G1	2,138	B1 U0 G1
08	7,234	B2 U0 G2	8,735	B2 U0 G2	6,640	B2 U0 G1	8,908	B2 U0 G2	2,851	B1 U0 G1
10	9,021	B2 U0 G2	10,892	B2 U0 G2	8,281	B2 U0 G2	11,108	B2 U0 G2	3,555	B1 U0 G1
12	10,825	B2 U0 G2	13,071	B2 U0 G2	9,937	B2 U0 G2	13,330	B2 U0 G2	4,266	B1 U0 G1
14	12,550	B2 U0 G2	15,153	B2 U0 G2	11,520	B2 U0 G2	15,453	B3 U0 G2	4,945	B1 U0 G1
16	14,343	B2 U0 G2	17,317	B3 U0 G2	13,165	B2 U0 G2	17,661	B3 U0 G2	5,651	B1 U0 G1
525mA										
02	2,599	B1 U0 G1	3,135	B1 U0 G1	2,386	B1 U0 G1	3,200	B1 U0 G1		N/A
04	5,198	B1 U0 G1	6,270	B2 U0 G1	4,772	B1 U0 G1	6,401	B2 U0 G1		N/A
06	7,708	B2 U0 G2	9,297	B2 U0 G2	7,076	B2 U0 G2	9,492	B2 U0 G2		N/A
08	10,278	B2 U0 G2	12,396	B2 U0 G2	9,434	B2 U0 G2	12,656	B2 U0 G2		N/A
10	12,817	B2 U0 G2	15,458	B3 U0 G2	11,764	B2 U0 G2	15,782	B3 U0 G2		N/A
12	15,380	B3 U0 G2	18,549	B3 U0 G2	14,117	B2 U0 G2	18,938	B3 U0 G3		N/A
14	17,830	B3 U0 G2	21,504	B3 U0 G3	16,366	B3 U0 G2	21,954	B3 U0 G3		N/A
16	20,377	B3 U0 G3	24,576	B3 U0 G3	18,704	B3 U0 G3	25,091	B3 U0 G3		N/A
700mA										
02	3,066	B1 U0 G1	3,700	B1 U0 G1	2,814	B1 U0 G1	3,775	B1 U0 G1		N/A
04	6,132	B2 U0 G1	7,400	B2 U0 G2	5,628	B1 U0 G1	7,550	B2 U0 G2		N/A
06	9,092	B2 U0 G2	10,973	B2 U0 G2	8,346	B2 U0 G2	11,196	B2 U0 G2		N/A

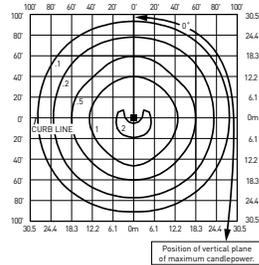
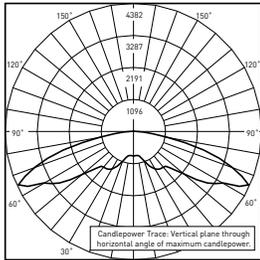
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
 ** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>

THE EDGE® LED Area/Flood Luminaire

Photometry

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5M



RESTL Test Report #: PL09285-001
ARE-EDG-5M-**-06-E-UL-700-40K
Initial Delivered Lumens: 13,136

ARE-EDG-5M-**-10-E-UL-525-40K
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 18,413
Initial FC at grade

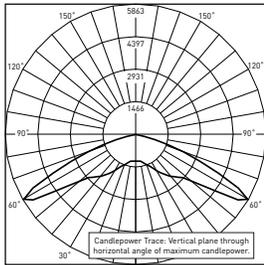
Type V Medium Distribution										
LED Count (x10)	3000K		4000K		5000K		5700K		TRL	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
350mA										
02	2,179	B2 U0 G1	2,631	B2 U0 G1	2,000	B1 U0 G1	2,683	B2 U0 G1	859	B1 U0 G1
04	4,358	B3 U0 G1	5,262	B3 U0 G1	4,001	B2 U0 G1	5,367	B3 U0 G1	1,717	B1 U0 G1
06	6,463	B3 U0 G1	7,804	B3 U0 G2	5,932	B3 U0 G1	7,958	B3 U0 G2	2,547	B2 U0 G1
08	8,617	B3 U0 G2	10,405	B4 U0 G2	7,910	B3 U0 G2	10,611	B4 U0 G2	3,395	B2 U0 G1
10	10,746	B4 U0 G2	12,975	B4 U0 G2	9,864	B3 U0 G2	13,232	B4 U0 G2	4,234	B3 U0 G1
12	12,895	B4 U0 G2	15,570	B4 U0 G3	11,836	B4 U0 G2	15,878	B4 U0 G3	5,081	B3 U0 G1
14	14,949	B4 U0 G3	18,049	B4 U0 G3	13,722	B4 U0 G2	18,407	B4 U0 G3	5,890	B3 U0 G1
16	17,085	B4 U0 G3	20,628	B5 U0 G3	15,682	B4 U0 G3	21,037	B5 U0 G3	6,732	B3 U0 G2
525mA										
02	3,096	B2 U0 G1	3,734	B3 U0 G1	2,842	B2 U0 G1	3,812	B3 U0 G1		N/A
04	6,192	B3 U0 G1	7,468	B3 U0 G2	5,684	B3 U0 G1	7,625	B3 U0 G2		N/A
06	9,182	B3 U0 G2	11,074	B4 U0 G2	8,428	B3 U0 G2	11,306	B4 U0 G2		N/A
08	12,243	B4 U0 G2	14,766	B4 U0 G2	11,238	B4 U0 G2	15,075	B4 U0 G3		N/A
10	15,267	B4 U0 G3	18,413	B4 U0 G3	14,014	B4 U0 G2	18,799	B4 U0 G3		N/A
12	18,320	B4 U0 G3	22,096	B5 U0 G3	16,816	B4 U0 G3	22,558	B5 U0 G3		N/A
14	21,238	B5 U0 G3	25,615	B5 U0 G3	19,495	B4 U0 G3	26,151	B5 U0 G3		N/A
16	24,272	B5 U0 G3	29,274	B5 U0 G3	22,280	B5 U0 G3	29,887	B5 U0 G3		N/A
700mA										
02	3,652	B3 U0 G1	4,407	B3 U0 G1	3,352	B2 U0 G1	4,497	B3 U0 G1		N/A
04	7,304	B3 U0 G2	8,814	B3 U0 G2	6,704	B3 U0 G2	8,993	B3 U0 G2		N/A
06	10,831	B4 U0 G2	13,070	B4 U0 G2	9,941	B3 U0 G2	13,336	B4 U0 G2		N/A

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>

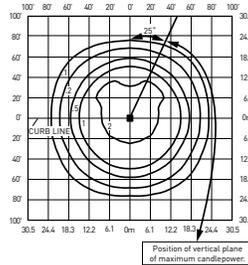
Photometry

All published luminaire photometric testing performed to IES LM-79-08 standards. To obtain an IES file specific to your project consult: <http://creelighting.com/products/outdoor/area/cree-edge-series-1>

55



RESTL Test Report #: PL09286-001A
ARE-EDG-5S-**-06-E-UL-700-40K
Initial Delivered Lumens: 14,123



ARE-EDG-5S-**-10-E-UL-525-40K
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 20,459
Initial FC at grade

Type V Short Distribution										
LED Count (x10)	3000K		4000K		5000K		5700K		TRL	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
350mA										
02	2,421	B1 U0 G0	2,924	B2 U0 G0	2,223	B1 U0 G0	2,982	B2 U0 G0	954	B1 U0 G0
04	4,843	B2 U0 G1	5,847	B3 U0 G1	4,445	B2 U0 G1	5,963	B3 U0 G1	1,908	B1 U0 G0
06	7,181	B3 U0 G1	8,671	B3 U0 G1	6,592	B3 U0 G1	8,842	B3 U0 G1	2,830	B2 U0 G0
08	9,575	B3 U0 G1	11,561	B3 U0 G2	8,789	B3 U0 G1	11,790	B3 U0 G2	3,773	B2 U0 G1
10	11,940	B3 U0 G2	14,416	B4 U0 G2	10,960	B3 U0 G2	14,702	B4 U0 G2	4,705	B2 U0 G1
12	14,328	B4 U0 G2	17,300	B4 U0 G2	13,152	B3 U0 G2	17,642	B4 U0 G2	5,646	B3 U0 G1
14	16,610	B4 U0 G2	20,055	B4 U0 G2	15,246	B4 U0 G2	20,453	B4 U0 G2	6,545	B3 U0 G1
16	18,983	B4 U0 G2	22,920	B4 U0 G2	17,424	B4 U0 G2	23,374	B4 U0 G2	7,480	B3 U0 G1
525mA										
02	3,440	B2 U0 G0	4,149	B2 U0 G1	3,158	B2 U0 G0	4,236	B2 U0 G1		N/A
04	6,880	B3 U0 G1	8,298	B3 U0 G1	6,315	B3 U0 G1	8,472	B3 U0 G1		N/A
06	10,202	B3 U0 G2	12,305	B3 U0 G2	9,365	B3 U0 G1	12,563	B3 U0 G2		N/A
08	13,603	B3 U0 G2	16,406	B4 U0 G2	12,486	B3 U0 G2	16,750	B4 U0 G2		N/A
10	16,963	B4 U0 G2	20,459	B4 U0 G2	15,571	B4 U0 G2	20,887	B4 U0 G2		N/A
12	20,356	B4 U0 G2	24,551	B4 U0 G2	18,685	B4 U0 G2	25,065	B4 U0 G2		N/A
14	23,598	B4 U0 G2	28,461	B5 U0 G3	21,661	B4 U0 G2	29,057	B5 U0 G3		N/A
16	26,969	B4 U0 G2	32,527	B5 U0 G3	24,755	B4 U0 G2	33,208	B5 U0 G3		N/A
700mA										
02	4,058	B2 U0 G1	4,897	B2 U0 G1	3,725	B2 U0 G1	4,996	B2 U0 G1		N/A
04	8,115	B3 U0 G1	9,793	B3 U0 G1	7,449	B3 U0 G1	9,993	B3 U0 G2		N/A
06	12,034	B3 U0 G2	14,523	B4 U0 G2	11,046	B3 U0 G2	14,818	B4 U0 G2		N/A

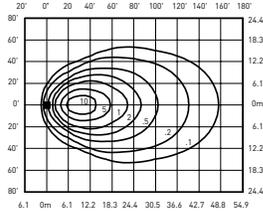
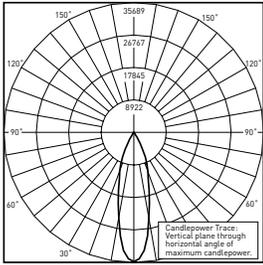
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
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THE EDGE® LED Area/Flood Luminaire

Photometry

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25°



RESTL Test Report #: PL09832-003B
 FLD-EDG-25-**-06-E-UL-700-40K
 Initial Delivered Lumens: 14,998

FLD-EDG-25-**-10-E-UL-525-40K
 Mounting Height: 25' (7.6m) A.F.G., 60° Tilt
 Initial Delivered Lumens: 20,913
 Initial FC at grade

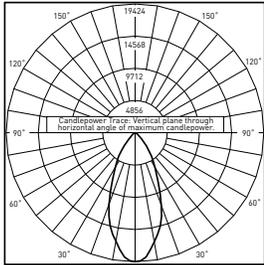
25° Flood Distribution					
LED Count (x10)	3000K	4000K	5000K	5700K	TRL
	Initial Delivered Lumens*				
350mA					
02	2,475	2,989	2,272	3,048	975
04	4,950	5,977	4,544	6,096	1,951
06	7,341	8,863	6,738	9,039	2,892
08	9,788	11,818	8,984	12,052	3,857
10	12,205	14,737	11,203	15,029	4,809
12	14,646	17,684	13,444	18,035	5,771
14	16,979	20,501	15,585	20,907	6,690
16	19,405	23,429	17,812	23,894	7,646
525mA					
02	3,516	4,241	3,228	4,330	N/A
04	7,033	8,482	6,456	8,660	N/A
06	10,429	12,578	9,573	12,842	N/A
08	13,905	16,771	12,764	17,122	N/A
10	17,340	20,913	15,917	21,352	N/A
12	20,808	25,096	19,100	25,622	N/A
14	24,122	29,093	22,142	29,703	N/A
16	27,568	33,250	25,305	33,946	N/A
700mA					
02	4,148	5,006	3,807	5,107	N/A
04	8,296	10,011	7,615	10,215	N/A
06	12,301	14,845	11,292	15,147	N/A

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

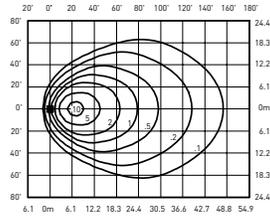
Photometry

All published luminaire photometric testing performed to IES LM-79-08 standards. To obtain an IES file specific to your project consult: <http://creelighting.com/products/outdoor/area/cree-edge-series-1>

40°



RESTL Test Report #: PL09832-002B
 FLD-EDG-40-**-06-E-UL-700-40K
 Initial Delivered Lumens: 13,808



FLD-EDG-40-**-10-E-UL-525-40K
 Mounting Height: 25' (7.6m) A.F.G., 60° Tilt
 Initial Delivered Lumens: 20,459
 Initial FC at grade

40° Flood Distribution					
LED Count (x10)	3000K	4000K	5000K	5700K	TRL
	Initial Delivered Lumens*				
350mA					
02	2,421	2,924	2,223	2,982	954
04	4,843	5,847	4,445	5,963	1,908
06	7,181	8,671	6,592	8,842	2,830
08	9,575	11,561	8,789	11,790	3,773
10	11,940	14,416	10,960	14,702	4,705
12	14,328	17,300	13,152	17,642	5,646
14	16,610	20,055	15,246	20,453	6,545
16	18,983	22,920	17,424	23,374	7,480
525mA					
02	3,440	4,149	3,158	4,236	N/A
04	6,880	8,298	6,315	8,472	N/A
06	10,202	12,305	9,365	12,563	N/A
08	13,603	16,406	12,486	16,750	N/A
10	16,963	20,459	15,571	20,887	N/A
12	20,356	24,551	18,685	25,065	N/A
14	23,598	28,461	21,661	29,057	N/A
16	26,969	32,527	24,755	33,208	N/A
700mA					
02	4,058	4,897	3,725	4,996	N/A
04	8,115	9,793	7,449	9,993	N/A
06	12,034	14,523	11,046	14,818	N/A

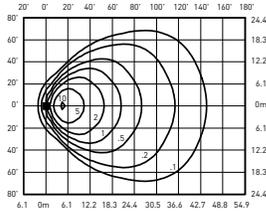
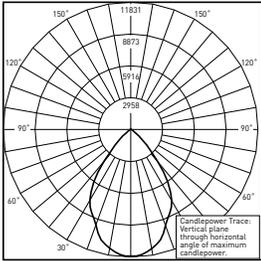
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

THE EDGE® LED Area/Flood Luminaire

Photometry

All published luminaire photometric testing performed to IES LM-79-08 standards. To obtain an IES file specific to your project consult: <http://creelighting.com/products/outdoor/area/cree-edge-series-1>

70°



RECTL Test Report #: PL09832-001B
 FLD-EDG-70-**-06-E-UL-700-40K
 Initial Delivered Lumens: 13,888

FLD-EDG-70-**-10-E-UL-525-40K
 Mounting Height: 25' (7.6m) A.F.G., 60° Tilt
 Initial Delivered Lumens: 18,640
 Initial FC at grade

70° Flood Distribution					
LED Count (x10)	3000K Initial Delivered Lumens*	4000K Initial Delivered Lumens*	5000K Initial Delivered Lumens*	5700K Initial Delivered Lumens*	TRL Initial Delivered Lumens*
350mA					
02	2,206	2,664	2,025	2,716	869
04	4,412	5,327	4,050	5,433	1,739
06	6,543	7,900	6,006	8,056	2,578
08	8,724	10,533	8,008	10,742	3,437
10	10,879	13,135	9,986	13,395	4,286
12	13,054	15,762	11,983	16,074	5,144
14	15,133	18,272	13,891	18,635	5,963
16	17,295	20,883	15,876	21,297	6,815
525mA					
02	3,134	3,780	2,877	3,859	N/A
04	6,269	7,560	5,754	7,719	N/A
06	9,295	11,211	8,532	11,446	N/A
08	12,394	14,948	11,377	15,261	N/A
10	15,455	18,640	14,187	19,031	N/A
12	18,546	22,368	17,024	22,837	N/A
14	21,500	25,931	19,735	26,474	N/A
16	24,572	29,636	22,555	30,256	N/A
700mA					
02	3,697	4,461	3,393	4,552	N/A
04	7,394	8,923	6,787	9,104	N/A
06	10,964	13,232	10,064	13,501	N/A

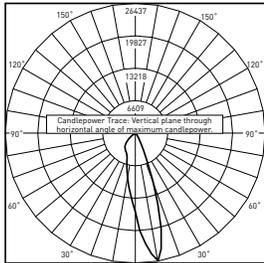
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

THE EDGE® LED Area/Flood Luminaire

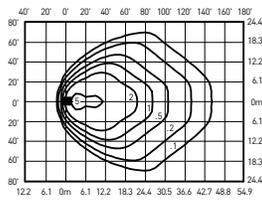
Photometry

All published luminaire photometric testing performed to IES LM-79-08 standards. To obtain an IES file specific to your project consult: <http://creelighting.com/products/outdoor/area/cree-edge-series-1>

SN



RESTL Test Report #: PL10142-001B
 FLD-EDG-SN-**-06-E-UL-700-40K
 Initial Delivered Lumens: 13,701



FLD-EDG-SN-**-10-E-UL-525-40K
 Mounting Height: 25' (7.6m) A.F.G., 60° Tilt
 Initial Delivered Lumens: 18,868
 Initial FC at grade

SN Flood Distribution					
LED Count (x10)	3000K	4000K	5000K	5700K	TRL
	Initial Delivered Lumens*				
350mA					
02	2,233	2,696	2,050	2,750	880
04	4,466	5,392	4,099	5,499	1,760
06	6,623	7,996	6,079	8,155	2,609
08	8,830	10,662	8,105	10,873	3,479
10	11,011	13,295	10,107	13,559	4,339
12	13,213	15,954	12,129	16,270	5,206
14	15,318	18,495	14,061	18,862	6,036
16	17,506	21,137	16,069	21,556	6,898
525mA					
02	3,172	3,826	2,912	3,906	N/A
04	6,345	7,653	5,824	7,813	N/A
06	9,409	11,348	8,636	11,585	N/A
08	12,545	15,130	11,515	15,447	N/A
10	15,644	18,868	14,360	19,263	N/A
12	18,773	22,641	17,231	23,115	N/A
14	21,763	26,247	19,976	26,797	N/A
16	24,871	29,997	22,830	30,625	N/A
700mA					
02	3,742	4,516	3,435	4,608	N/A
04	7,484	9,032	6,870	9,215	N/A
06	11,098	13,393	10,187	13,665	N/A

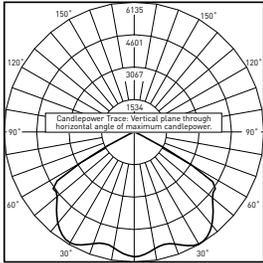
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

THE EDGE® LED Area/Flood Luminaire

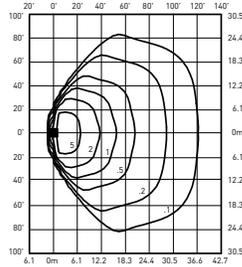
Photometry

All published luminaire photometric testing performed to IES LM-79-08 standards. To obtain an IES file specific to your project consult: <http://creelighting.com/products/outdoor/area/cree-edge-series-1>

N6



RESTL Test Report #: PL09832-004B
 FLD-EDG-N6-**-D6-E-UL-700-40K
 Initial Delivered Lumens: 15,251



FLD-EDG-N6-**-10-E-UL-525-40K
 Mounting Height: 25' (7.6m) A.F.G., 60° Tilt
 Initial Delivered Lumens: 20,913
 Initial FC at grade

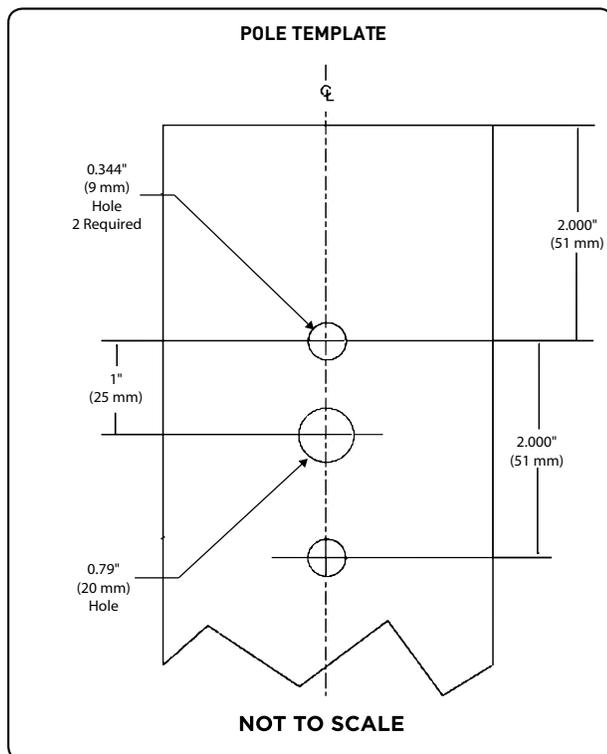
NEMA® 6 Flood Distribution					
LED Count (x10)	3000K	4000K	5000K	5700K	TRL
	Initial Delivered Lumens*				
350mA					
02	2,475	2,989	2,272	3,048	975
04	4,950	5,977	4,544	6,096	1,951
06	7,341	8,863	6,738	9,039	2,892
08	9,788	11,818	8,984	12,052	3,857
10	12,205	14,737	11,203	15,029	4,809
12	14,646	17,684	13,444	18,035	5,771
14	16,979	20,501	15,585	20,907	6,690
16	19,405	23,429	17,812	23,894	7,646
525mA					
02	3,516	4,241	3,228	4,330	N/A
04	7,033	8,482	6,456	8,660	N/A
06	10,429	12,578	9,573	12,842	N/A
08	13,905	16,771	12,764	17,122	N/A
10	17,340	20,913	15,917	21,352	N/A
12	20,808	25,096	19,100	25,622	N/A
14	24,122	29,093	22,142	29,703	N/A
16	27,568	33,250	25,305	33,946	N/A
700mA					
02	4,148	5,006	3,807	5,107	N/A
04	8,296	10,011	7,615	10,215	N/A
06	12,301	14,845	11,292	15,147	N/A

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

Luminaire EPA

Fixed Arm Mount – ARE-EDG-DA						
LED Count (x10)	Single	2 @ 90°	2 @ 180°	3 @ 90°	3 @ 120°	4 @ 90°
						
02	0.60	0.87	1.20	1.47	1.47	1.75
04	0.60	0.87	1.20	1.47	1.47	1.75
06	0.60	0.92	1.20	1.51	1.51	1.83
08	0.60	0.96 N/A with 3" poles	1.20	1.55 N/A with 3" poles	1.55	1.91 N/A with 3" poles
10	0.60	1.00 N/A with 3" poles	1.20	1.60 N/A with 3" poles	1.60	2.00 N/A with 3" poles
12	0.60	1.04 N/A with 3" poles	1.20	1.64 N/A with 3" poles	1.64	2.08 N/A with 3" poles
14	0.60	1.08 N/A with 3" or 4" poles	1.20	1.68 N/A with 3" or 4" poles	1.68	2.16 N/A with 3" or 4" poles
16	0.60	1.12 N/A with 3" or 4" poles	1.20	1.72 N/A with 3" or 4" poles	1.72	2.24 N/A with 3" or 4" poles
Fixed Arm Mount – ARE-EDG-DL						
02	0.75	1.02	1.50	1.77	1.77	1.91
04	0.75	1.02	1.50	1.77	1.77	1.91
06	0.75	1.07	1.50	1.82	1.82	1.98
08	0.75	1.11	1.50	1.86	1.86	2.04
10	0.75	1.15	1.50	1.90	1.90	2.10
12	0.75	1.19	1.50	1.94	1.94	2.16
14	0.75	1.23	1.50	1.98	1.98	2.22
16	0.75	1.27	1.50	2.02	2.02	2.28

Fixture Mounting Drill Pattern for DA and DL Mounts



Luminaire EPA

Adjustable Arm Mount – ARE-EDG-AA/FLD-EDG-AA/SA									
LED Count (x10)	Single	2 @ 90°	2 @ 180°	In-Line 2 @ 180°	3 @ 90°	3 @ 120°	In-Line 3 @ 180°	4 @ 90°	In-Line 4 @ 180°
Tenon Configuration If used with Cree Lighting tenons, please add tenon EPA with Luminaire EPA									
									
	Vertical: PB-1A*; PT-1; PW-1A3** Horizontal: By others	Vertical: PB-2A*; PB-2R2.375; PW-2A3** Horizontal: PD-2A4(90); PT-2(90)	Vertical: PB-2A*; PB-2R2.375; PW-2A3** Horizontal: PD-2A4(180); PT-2(180)	Vertical: PB-2A*; PB-2R2.375	Vertical: PB-3A*; PB-3R2.375 Horizontal: PD-3A4(90); PT-3(90)	Vertical: PB-3A*; PB-3R2.375 Horizontal: PT-3(120)	Vertical: PB-3A*; PB-3R2.375	Vertical: PB-4A*(90); PB-4R2.375 Horizontal: PD-4A4(90) PT-4(90)	Vertical: PB-4A*(180); PB-4R2.375
0° Tilt									
02	0.66	0.98	1.32	1.32	1.77	1.64	1.98	1.91	2.64
04	0.66	0.98	1.32	1.32	1.64	1.64	1.98	1.97	2.64
06	0.66	1.02	1.32	1.32	1.68	1.68	1.98	2.05	2.64
08	0.66	1.07	1.32	1.32	1.80	1.72	1.98	2.29	2.64
10	0.66	1.11	1.32	1.32	1.76	1.76	1.98	2.21	2.64
12	0.66	1.15	1.32	1.32	1.80	1.80	1.98	2.29	2.64
14	0.66	1.19	1.32	1.32	1.84	1.84	1.98	2.38	2.64
16	0.66	1.23	1.32	N/A	1.89	1.89	N/A	2.46	N/A
30° Tilt									
02	0.71	1.37	1.42	1.42	2.08	2.08	2.13	2.73	2.84
04	0.71	1.37	1.42	1.42	2.08	2.08	2.13	2.73	2.84
06	0.82	1.48	1.64	1.64	2.30	2.30	2.46	2.95	3.28
08	0.93	1.59	1.86	1.86	2.52	2.52	2.79	3.17	3.72
10	1.04	1.70	2.08	2.08	2.74	2.74	3.12	3.40	4.16
12	1.15	1.81	2.30	2.30	2.96	2.96	3.45	3.62	4.60
14	1.26	1.92	2.52	2.52	3.18	3.18	3.78	3.84	5.04
16	1.37	2.03	2.74	N/A	3.40	3.40	N/A	4.06	N/A
45° Tilt									
02	0.89	1.55	1.78	1.78	2.45	2.45	2.67	3.10	3.56
04	0.89	1.55	1.78	1.78	2.45	2.45	2.67	3.10	3.56
06	1.03	1.69	2.06	2.06	2.72	2.72	3.09	3.38	4.12
08	1.17	1.83	2.34	2.34	3.00	3.00	3.51	3.66	4.68
10	1.31	1.97	2.62	2.62	3.28	3.28	3.93	3.94	5.24
12	1.45	2.11	2.90	2.90	3.56	3.56	4.35	4.21	5.80
14	1.59	2.25	3.18	3.18	3.83	3.83	4.77	4.49	6.36
16	1.73	2.38	3.46	N/A	4.11	4.11	N/A	4.77	N/A
60° Tilt									
02	1.20	1.86	2.40	2.40	3.06	3.06	3.60	3.72	4.80
04	1.20	1.86	2.40	2.40	3.06	3.06	3.60	3.72	4.80
06	1.39	2.05	2.78	2.78	3.44	3.44	4.17	4.10	5.56
08	1.58	2.23	3.16	3.16	3.81	3.81	4.74	4.47	6.32
10	1.77	2.42	3.54	3.54	4.19	4.19	5.31	4.84	7.08
12	1.95	2.61	3.90	3.90	4.56	4.56	5.85	5.22	7.80
14	2.14	2.80	4.28	4.28	4.94	4.94	6.42	5.59	8.56
16	2.33	2.98	4.66	N/A	5.31	5.31	N/A	5.97	N/A

* Specify pole size: 3 [3"], 4 [4"], 5 [5"], or 6 [6"] for single, double or triple luminaire orientation or 4 [4"], 5 [5"], or 6 [6"] for quad luminaire orientation
 ** These EPA values must be multiplied by the following ratio: Fixture Mounting Height/Total Pole Height. Specify pole size: 3 [3"], 4 [4"], 5 [5"], or 6 [6"]

THE EDGE® LED Area/Flood Luminaire

Luminaire EPA

Adjustable Arm Mount – ARE-EDG-AA/FLD-EDG-AA/SA									
LED Count (x10)	Single	2 @ 90°	2 @ 180°	In-Line 2 @ 180°	3 @ 90°	3 @ 120°	In-Line 3 @ 180°	4 @ 90°	In-Line 4 @ 180°
Tenon Configuration If used with Cree Lighting tenons, please add tenon EPA with Luminaire EPA									
									
	Vertical: PB-1A*; PT-1; PW-1A3** Horizontal: By others	Vertical: PB-2A*; PB-2R2.375; PW-2A3** Horizontal: PD-2A4(90); PT-2(90)	Vertical: PB-2A*; PB-2R2.375; PW-2A3** Horizontal: PD-2A4(180); PT-2(180)	Vertical: PB-2A*; PB-2R2.375	Vertical: PB-3A*; PB-3R2.375 Horizontal: PD-3A4(90); PT-3(90)	Vertical: PB-3A*; PB-3R2.375 Horizontal: PT-3(120)	Vertical: PB-3A*; PB-3R2.375	Vertical: PB-4A*(90); PB-4R2.375 Horizontal: PD-4A4(90) PT-4(90)	Vertical: PB-4A*(180); PB-4R2.375
90° Tilt									
02	1.85	2.51	3.70	3.64	4.36	4.36	5.55	5.02	7.40
04	1.85	2.51	3.70	3.64	4.36	4.36	5.55	5.02	7.40
06	2.14	2.80	4.28	4.22	4.94	4.94	6.42	5.59	8.56
08	2.43	3.09	4.86	4.78	5.51	5.51	7.29	6.17 N/A with horizontal tenon	9.72
10	2.71	3.37	5.42	5.34	6.08	6.08	8.13	6.74 N/A with horizontal tenon	10.84
12	3.00	3.66	6.00	5.90	6.66	6.66	9.00	7.31 N/A with horizontal tenon	12.00
14	3.29	3.95 N/A with PW-2A3**	6.58	6.48	7.23	7.23	9.87	7.89 N/A with horizontal tenon	13.16
16	3.57	4.23 N/A with PW-2A3**	7.14	N/A	7.81	7.81	N/A	8.46 N/A with horizontal tenon	N/A

* Specify pole size: 3 [3"], 4 [4"], 5 [5"], or 6 [6"] for single, double or triple luminaire orientation or 4 [4"], 5 [5"], or 6 [6"] for quad luminaire orientation
 ** These EPA values must be multiplied by the following ratio: Fixture Mounting Height/Total Pole Height. Specify pole size: 3 [3"], 4 [4"], 5 [5"], or 6 [6"]

Tenon EPA

Part Number	EPA
PB-1A*	None
PB-2A*	0.82
PB-3A*	1.52
PB-4A*(180)	2.22
PB-4A*(90)	1.11
PB-2R2.375	0.92
PB-3R2.375	1.62
PB-4R2.375	2.32
PD Series Tenons	0.09
PT Series Tenons	0.10
PW-1A3**	0.47
PW-2A3**	0.94
WM-2	0.08
WM-4	0.25
WM-DM	None

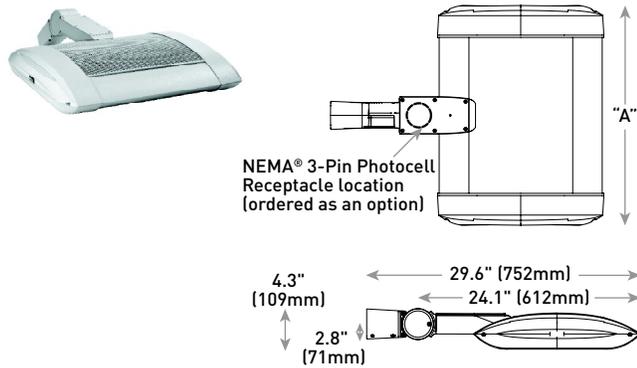
* Specify pole size: 3 [3"], 4 [4"], 5 [5"], or 6 [6"] for single, double or triple luminaire orientation or 4 [4"], 5 [5"], or 6 [6"] for quad luminaire orientation
 ** These EPA values must be multiplied by the following ratio: Fixture Mounting Height/Total Pole Height. Specify pole size: 3 [3"], 4 [4"], 5 [5"], or 6 [6"]

Tenons and Brackets [†] (must specify color)	
<p>Square Internal Mount Vertical Tenons (Steel) - Mounts to 3-6" [76-152mm] square aluminum or steel poles PB-1A* – Single PB-4A*(90) – 90° Quad PB-2A* – 180° Twin PB-4A*(180) – 180° Quad PB-3A* – 180° Triple</p> <p>Square Internal Mount Horizontal Tenons (Aluminum) - Mounts to 4" [102mm] square aluminum or steel poles PD-2A4(90) – 90° Twin PD-3A4(90) – 90° Triple PD-2A4(180) – 180° Twin PD-4A4(90) – 90° Quad</p> <p>Wall Mount Brackets - Mounts to wall or roof WM-2 – Horizontal for AA and SA mounts WM-4 – L-Shape for AA and SA mounts WM-DM – Plate for DA and DL mounts</p>	<p>Round External Mount Vertical Tenons (Steel) - Mounts to 2.375" [60mm] O.D. round aluminum or steel poles or tenons PB-2R2.375 – Twin PB-4R2.375 – Quad PB-3R2.375 – Triple</p> <p>Round External Mount Horizontal Tenons (Aluminum) - Mounts to 2.375" [60mm] O.D. round aluminum or steel poles or tenons - Mounts to square pole with PB-1A* tenon PT-1 – Single (Vertical) PT-3(90) – 90° Triple PT-2(90) – 90° Twin PT-3(120) – 120° Triple PT-2(180) – 180° Twin PT-4(90) – 90° Quad</p> <p>Mid-Pole Bracket - Mounts to square pole PW-1A3** – Single PW-2A3** – Double</p> <p>Ground Mount Post - For ground mounted flood luminaires PGM-1 - For use with AA and SA mounts</p>

[†] Refer to the [Bracket and Tenons spec sheet](#) for more details

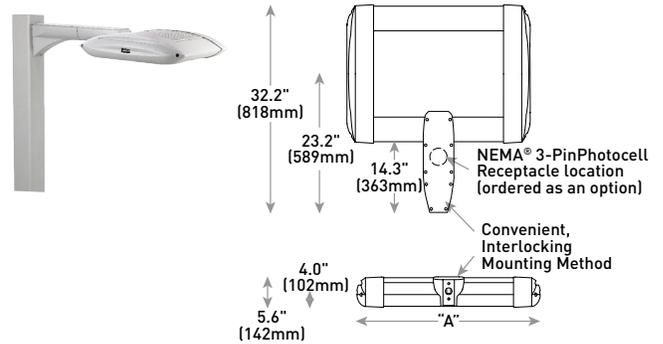
THE EDGE® LED Area/Flood Luminaire

AA Mount



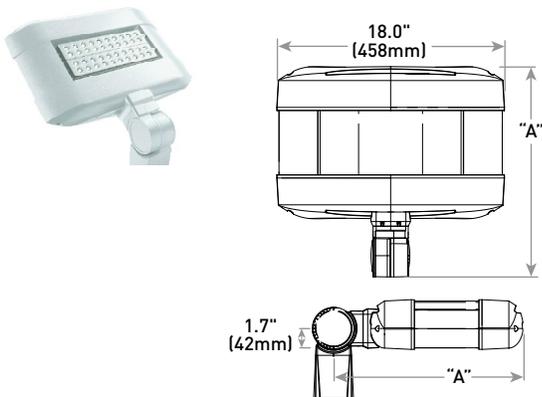
LED Count (x10)	Dim. "A"	Weight
02	12.1" (306mm)	21 lbs. (10kg)
04	12.1" (306mm)	24 lbs. (11kg)
06	14.1" (357mm)	27 lbs. (12kg)
08	16.1" (408mm)	28 lbs. (13kg)
10	18.1" (459mm)	32 lbs. (15kg)
12	20.1" (510mm)	34 lbs. (15kg)
14	22.1" (560mm)	37 lbs. (17kg)
16	24.1" (611mm)	41 lbs. (19kg)

DL Mount



LED Count (x10)	Dim. "A"	Weight
02	12.1" (306mm)	23 lbs. (10kg)
04	12.1" (306mm)	26 lbs. (12kg)
06	14.1" (357mm)	29 lbs. (13kg)
08	16.1" (408mm)	30 lbs. (14kg)
10	18.1" (459mm)	34 lbs. (15kg)
12	20.1" (510mm)	36 lbs. (16kg)
14	22.1" (560mm)	42 lbs. (19kg)
16	24.1" (611mm)	44 lbs. (20kg)

SA Mount



LED Count (x10)	Dim. "A"	Weight
02	16.0" (406mm)	25 lbs. (11kg)
04	18.0" (457mm)	26 lbs. (12kg)
06	20.0" (508mm)	28 lbs. (13kg)

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OSQ Series

OSQ™ LED Area/Flood Luminaire featuring Patented NanoComfort™ Technology – Version C

Rev. Date: V3 04/17/2023

GC TO SEE NOTES BELOW

Product Description

The OSQ™ Area/Flood luminaire blends extreme optical control, advanced thermal management and modern, clean aesthetics. Built to last, the housing is rugged cast aluminum with an integral, weathertight LED driver compartment. Versatile mounting configurations offer simple installation. Its slim, low-profile design minimizes wind load requirements and blends seamlessly into the site providing even, quality illumination. Medium is suitable upgrade for HID applications up to 400 Watts. Large is suitable upgrade for HID applications up to 1000 Watts. Extra Large is suitable upgrade for HID applications up to multiple 1000 Watts.

Applications: Parking lots, walkways, campuses, car dealerships, office complexes, high-mast and internal roadways

Performance Summary

Utilizes Patented NanoComfort™ Technology

Utilizes Cree TrueWhite® Technology on 5000K Luminaires

Assembled in the USA by Cree Lighting from US and imported parts

Initial Delivered Lumens: 4,000 - 75,000

Efficacy: Up to 171 LPW

CRI: Minimum 70 CRI (3000K, 4000K & 5700K); 90 CRI (5000K)

CCT: 3000K, 4000K, 5000K, 5700K

Limited Warranty*: 10 years for luminaire; 10 years for Colorfast DeltaGuard® finish; 5 years for BML sensor; up to 5 years for Synapse® accessories; 1 year for luminaire accessories

*See <http://creelighting.com/warranty> for warranty terms. For Synapse accessories, consult Synapse spec sheets for details on warranty terms.

Ordering Information

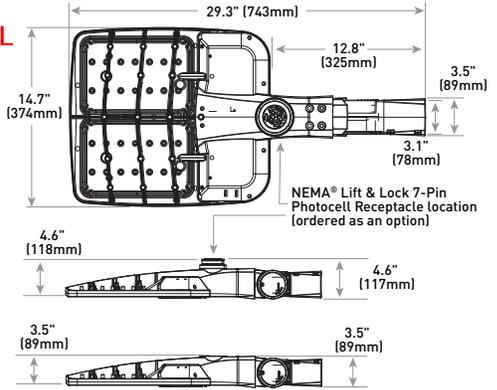
Fully assembled luminaire is composed of two components that must be ordered separately:

Example: **Mount:** OSQ-ML-C-AA-BK + **Luminaire:** OSQM-C-4L-30K7-2M-UL-NM-BK

Mount (Luminaire must be ordered separately)*			
OSQ-			
Medium/Large Mounts	Extra Large Mounts	Color Options:	SV Silver BZ Bronze WH White
OSQ-ML-C-AA Adjustable Arm	OSQ-X-C-AA Adjustable Arm		
OSQ-ML-C-DA Direct Arm	OSQ-X-C-DA Direct Arm		
OSQ-ML-C-TM Trunnion Mount			

* Reference fixture mounting drill pattern, EPA, and pole configuration suitability data beginning on page 14.

OSQM - AA Mount



Luminaire	Weight
OSQM	19.3 lbs. (8.8kg)

Note: For OSQL, OSQX and additional mounts, refer to drawings beginning on page 26.

GC TO REFERENCE PLANS FOR COLOR DESIGNATION

Luminaire (Mount must be ordered separately)																						
OSQ	C																					
Family	Size	Series	Lumen Package ¹	CCT/ CRI	Optic	Voltage	Mount	Color Options	Controls*	Options												
OSQ	M Medium L Large X Extra Large	C	Medium 4L 4,000 Lumens 40K7 4000K, 70 CRI 6L 6,000 Lumens 50K9 5000K, 90 CRI 9L 9,000 Lumens 57K7 5700K, 70 CRI 11L 11,000 Lumens 16L 16,000 Lumens	30K7 3000K, 70 CRI 40K7 4000K, 70 CRI 50K9 5000K, 90 CRI 57K7 5700K, 70 CRI	Asymmetric 2M Type II Mid 2B Type II Mid w/ Factory-Installed Backlight Shield 3M Type III Mid 3B Type III Mid w/ Factory-Installed Backlight Shield 4M Type IV Mid	4B Type IV Mid w/ Factory-Installed Backlight Shield AF Automotive FrontlineOptic™ AB Automotive- FrontlineOptic™ w/Factory-Installed Backlight Shield	UL Universal 120-277V UH Universal 347-480V - Not available with 4L, 40L or 75L lumen packages UE Universal 277-480V - Available only with 40L and 75L lumen packages	NM No Mount - Must specify mount from table above - Mount ships separately	BK Black BZ Bronze SV Silver WH White	BML Bluetooth® Technology Enabled Multi-Level Sensor - Utilizes a multifunction sensor - Refer to BML spec sheet for details - 20-40° sensor lens installed on luminaire; 8-20° sensor lens and aisle shroud included - Intended for downlight applications at 0° tilt - Not available with Q or X options or Synapse TL7-B2 or TL7-HVG accessories Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1 Field Adjustable Output - Must select Q9, Q8, Q7, Q6, Q5, Q4, Q3, Q2, or Q1 - Offers full range adjustability - Refer to pages 15-25 for power and lumen values - Not available with BML or X options or Synapse TL7-B2 or TL7-HVG accessories X8/X7/X6/X5/X4/X3/X2/X1 Locked Lumen Output - Must select X8, X7, X6, X5, X4, X3, X2, or X1 - Not available with BML or Q options - X1 option not available with the following lumen package/voltage offerings: 9L/UL, 16L/UL, 16L/UH, 30L/UL, 30L/UH, 65L/UL, 65L/UH - X2 option not available 9L/UL lumen package/voltage - Lumen output is permanently locked to the setting selected - Refer to pages 15-25 for power and lumen values	20KV 20kV/10KA Surge Suppression - Replaces standard 10kV/5kA surge protection F Fuse - Compatible with 120V, 277V or 347V (phase to neutral) - Consult factory if fusing is required for 208V, 240V or 480V (phase to phase) - When code dictates fusing, use time delay fuse N Utility Label and NEMA® Lift & Lock 7-Pin Photocell Receptacle - External utility label per ANSI C136.15-2020 - 7-pin receptacle per ANSI C136.41 - Available only with OSQM & OSQL luminaires - Intended for downlight applications with maximum 45° tilt - Factory connected 0-10V dim leads - Requires photocell or shorting cap by others R NEMA® Lift & Lock 7-Pin Photocell Receptacle - 7-pin receptacle per ANSI C136.41 - Intended for downlight applications with maximum 45° tilt - Factory connected 0-10V dim leads - Requires photocell or shorting cap by others - Refer to page 2 for compatible Synapse control offerings RL Rotate Left - LED and optic are rotated to the left - Refer to RR/RL configuration diagram on page 26 for optic directionality - Not for use with symmetric optics RR Rotate Right - LED and optic are rotated to the right - Refer to RR/RL configuration diagram on page 26 for optic directionality - Not for use with symmetric optics											
												Large 22L 22,000 Lumens 30L 30,000 Lumens 40L 40,000 Lumens 75L 75,000 Lumens	5M Type V Mid 5N Type V Narrow	Symmetric 33 NEMA® 3x3 44 NEMA® 4x4 55 NEMA® 5x5 66 NEMA® 6x6 75 NEMA® 7x5								

GC TO VERIFY AND SPECIFY IF NOT UL

¹ Lumen Package codes identify approximate light output only. Actual lumen output levels vary by CCT and optic selection. Refer to Initial Delivered Lumen tables for specific lumen values

* Luminaire comes standard with 0-10V dimming



US: creelighting.com (800) 236-6800
Canada: creelighting-canada.com (800) 473-1234



Product Specifications

CREE LIGHTING NANOCOMFORT™ TECHNOLOGY

Cree Lighting's NanoComfort™ Technology ends the trade-offs in outdoor lighting by providing superior glare reduction and visual comfort in high-efficiency illumination delivered precisely where it is needed. The basic building block of NanoComfort™ Technology is a compact 4x4 array of LEDs. Each of the 16 LEDs in a module is in contact with its own acrylic polymer lens to capture and precisely direct light. With NanoComfort™ Technology, the acrylic optics are cut and sculpted into facets that relieve the glare and harshness while improving visual comfort – all while retaining superb efficacy and control.

CREE TRUEWHITE® TECHNOLOGY

A revolutionary way to generate high-quality white light, Cree TrueWhite® Technology is a patented approach that delivers an exclusive combination of 90+ CRI, beautiful light characteristics and lifelong color consistency, all while maintaining high luminous efficacy – a true no-compromise solution.

CONSTRUCTION & MATERIALS

- Slim, low profile design minimizes wind load requirements
- Luminaire housing is rugged die cast aluminum with an integral, weathertight LED driver compartment and high-performance heat sink
- Acrylic optic w/clear tempered glass lens
- Convenient interlocking mounting method on direct arm. Mounting adaptor is rugged die cast aluminum and mounts to 3" (76mm) or larger square or round pole, secured by two 5/16-18 UNC bolts spaced on 2" (51mm) centers. Refer to page 14 for fixture mounting drill pattern
- Adjustable arm mount adapters are rugged die cast aluminum
- OSQ-ML-C-AA mounts to a horizontal or vertical 2" (51mm) IP, 2.375" (60mm) O.D. tenon and can be adjusted 180° in 2.5° increments
- OSQ-X-C-AA mounts to a horizontal or vertical 2" (51mm) IP, 2.375-2.50" (60-64mm) O.D. steel tenon and can be adjusted 180° in 5.0° increments. **NOTE: Tenon length must be a minimum of 3.75" (95mm), and tenon must be steel**
- Trunnion mount is constructed of A500 and A1011 steel and is adjustable from 0-180° in 15° degree increments. Trunnion mount secures to surface with (1) 3/4" bolt or (2) 1/2" or 3/8" bolts
- Luminaires include 15" (381mm) 18/5 cord exiting the luminaire
- Designed for uplight and downlight applications. Uplight orientation not suitable for use with N or R options
- Exclusive Colorfast DeltaGuard® finish features an E-Coat epoxy primer with an ultra-durable powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation and abrasion. Silver, bronze, black, and white are available

Weight			
Mount	Housing Size		
	Medium	Large	Extra Large
Direct Arm	19.7 lbs. (8.9kg)	28.8 lbs. (13.1kg)	45.8 lbs. (20.8kg)
Adjustable Arm	19.3 lbs. (8.8kg)	28.4 lbs. (12.9kg)	48.6 lbs. (22.0kg)
Trunnion	23.2 lbs. (10.5kg)	32.3 lbs. (14.7kg)	N/A

For BML sensor add 0.1 lbs. (45g), and for NEMA receptacle, add 0.3 lbs. (136g).

ELECTRICAL SYSTEM

- **Input Voltage:** 120-277V, 277-480V or 347-480V, 50/60Hz, Class 1 drivers
- **Power Factor:** > 0.9 at full load
- **Total Harmonic Distortion:** < 20% at full load
- Integral 10kV/5kA surge suppression protection standard; 20kV/10kA surge suppression protection optional
- When code dictates fusing, a slow blow fuse or type C/D breaker should be used to address inrush current
- Designed with 0-10V dimming capabilities. Controls by others
- Refer to [Dimming spec sheet](#) for details
- **Maximum 10V Source Current:** 1.8mA
- **Operating Temperature Range:** -40°C - +40°C (-40°F - +104°F)

REGULATORY & VOLUNTARY QUALIFICATIONS

- cULus Listed (UL1598)
- Suitable for wet locations
- Meets NEMA C82.77 standards
- Drivers and LEDs are UL certified in accordance with UL8750
- Meets requirements of IP66 per IEC 60529 when ordered without N or R options
- Certified to ANSI C136.31-2018, 3G bridge and overpass vibration standards
- ANSI C136.2 10kV/5kA (standard) and 20kV/10kA (optional) surge suppression protection tested in accordance with IEEE/ANSI C62.41.2
- Meets FCC Part 15, Subpart B, Class A limits for conducted and radiated emissions
- Luminaire and finish endurance tested to withstand 5,000 hours of elevated ambient salt fog conditions as defined in ASTM Standard B 117
- Lens meets IK07 requirements per IEC 60068-2
- Assembled in the USA by Cree Lighting from US and imported parts
- Meets Buy American requirements within ARRA
- RoHS compliant. Consult factory for additional details
- Dark Sky Friendly, IDA Approved when ordered with 30K CCT and direct arm mount only. Please refer to <https://www.darksky.org/our-work/lighting/lighting-for-industry/fsa/fsa-products/> for most current information (Pending)
- **CA RESIDENTS WARNING:** Cancer and Reproductive Harm – www.p65warnings.ca.gov

Product Specifications

SYNAPSE® SIMPLYSNAP INTELLIGENT CONTROL

The Synapse SimplySNAP platform is a highly intuitive connected lighting solution featuring zone dimming, motion sensing, and daylight harvesting with utility-grade power monitoring and support of up to 1000 nodes per gateway. The system features a reliable and robust self-healing mesh network with a browser-based interface that runs on smartphones, tablets, and PCs. The Twist-Lock Lighting Controller (TL7-B2 or TL7-HVG) and Site Controller (SS450-002) take the OSQ Series to a new performance plateau, providing extreme energy productivity, code compliance and a better light experience.

Synapse Wireless Control Accessories	
Twist-Lock Lighting Controller TL7-B2 - Suitable for 120-277V (UL) voltage only - Requires NEMA/ANSI C136.41 7-Pin Dimming Receptacle - Not for use with BML or Q options - Provides On/Off switching, dimming, power metering, digital sensor input, and status monitoring of luminaire - Refer to TL7-B2 spec sheet for details	Synapse Wireless Sensor WSN-DPM - Motion and light sensor - Control multiple zones - Refer to WSN-DPM spec sheet for details
Twist-Lock Lighting Controller TL7-HVG - Suitable for 120-480V (UL, UE and UH) voltages - Requires NEMA/ANSI C136.41 7-Pin Dimming Receptacle - Not for use with BML or Q options - Provides On/Off switching, dimming, power metering, digital sensor input, and status monitoring of luminaire - Refer to TL7-HVG spec sheet for details	SimplySNAP On-Site Controller SS450-002 - Verizon® LTE-enabled - Designed for indoor applications - Refer to SS450-002 spec sheet for details
SimplySNAP Central Base Station CBS5W-450-002 - Includes On-Site Controller (SS450-002) and 5-button switch - Indoor and Outdoor rated - Refer to CBS5W-450-002 spec sheet for details	Building Management System (BMS) Gateway BMS-GW-002 - Required for BACnet integration - Refer to BMS-GW-002 spec sheet for details
	Outdoor Antennas [Optional, for increased range, 8dB gain] KIT-ANT420SM - Kit includes antenna, 20' cable and bracket KIT-ANT360 - Kit includes antenna, 30' cable and bracket KIT-ANT600 - Kit includes antenna, 50' cable and bracket - Refer to Outdoor antenna spec sheet for details

Electrical Data*

Lumen Package	System Watts 120-480V	Utility Label Wattage	Total Current (A)					
			120V	208V	240V	277V	347V	480V
4L**	26	30	0.21	0.12	0.11	0.09	N/A	N/A
6L	37	40	0.31	0.18	0.15	0.13	0.11	0.08
9L	55	60	0.46	0.27	0.23	0.20	0.16	0.12
11L	68	70	0.57	0.33	0.28	0.25	0.20	0.14
16L	97	100	0.81	0.47	0.40	0.35	0.28	0.20
22L	131	130	1.09	0.63	0.55	0.47	0.38	0.27
30L	175	180	1.46	0.84	0.73	0.63	0.50	0.36
40L	236	240	1.96	1.13	0.98	0.85	0.68	0.49
50L	297	N/A	2.48	1.43	1.24	1.07	0.86	0.62
65L	384	N/A	3.20	1.85	1.60	1.39	1.11	0.80
75L	447	N/A	3.73	2.15	1.86	1.61	1.29	0.93

* Electrical data at 25°C (77°F). Actual wattage may differ by +/- 10% when operating between 120-277V, 277-480V or 347-480V +/- 10%.

** Available with UL voltage only.

OSQ-C Series Ambient Adjusted Lumen Maintenance¹

Ambient	Initial LMF	25K hr Reported ² LMF	50K hr Reported ² LMF	75K hr Reported ² LMF	100K hr Reported ² LMF
5°C (41°F)	1.02	0.99	0.93	0.88	0.83
10°C (50°F)	1.02	0.98	0.93	0.87	0.82
15°C (59°F)	1.01	0.98	0.92	0.87	0.82
20°C (68°F)	1.01	0.97	0.92	0.86	0.81
25°C (77°F)	1.00	0.97	0.91	0.86	0.81

¹ Lumen maintenance values at 25°C (77°F) are calculated per IES TM-21 based on IES LM-80 report data for the LED package and in-situ luminaire testing. Luminaire ambient temperature factors (LATF) have been applied to all lumen maintenance factors. Please refer to the [Temperature Zone Reference Document](#) for outdoor average nighttime ambient conditions.

² In accordance with IES TM-21, Reported values represent interpolated values based on time durations that are up to 6x the tested duration in the IES LM-80 report for the LED.

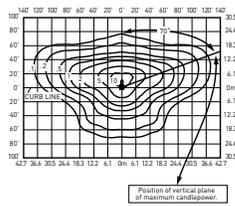
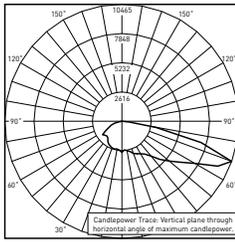
Accessories

Field-Installed	
Backlight Shield OSQ-M-C-BLSF (Medium) OSQ-L-C-BLSF (Large) OSQ-X-C-BLSF (Extra Large) - Not for use with rotated optics	Shorting Cap XA-XSLSHRT
Bird Spikes OSQ-M-C-BRDSPK OSQ-L-C-BRDSPK OSQ-X-C-BRDSPK	

Photometry

All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult: <https://creelighting.com/products/outdoor/area/osq-series>

2M



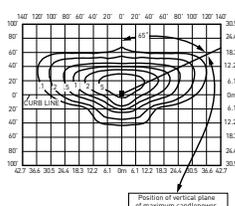
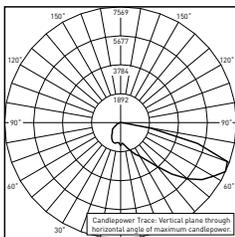
PRELIMINARY RESTL Test Report
OSQ Luminaire w/2M Optic
Initial Delivered Lumens: 15,560

OSQL-C-40L-40K7-2M-UL
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 38,000
Initial FC at grade

Type II Mid Distribution								
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	3,650	B1 U1 G1	3,800	B1 U1 G1	2,590	B1 U1 G1	3,800	B1 U1 G1
6L	5,475	B1 U1 G1	5,700	B1 U1 G1	3,880	B1 U1 G1	5,700	B1 U1 G1
9L	8,225	B2 U1 G2	8,550	B2 U1 G2	5,825	B1 U1 G1	8,550	B2 U1 G2
11L	10,025	B2 U1 G2	10,450	B2 U1 G2	7,100	B2 U1 G2	10,450	B2 U1 G2
16L	14,650	B3 U1 G3	15,200	B3 U1 G3	10,325	B2 U1 G2	15,200	B3 U1 G3
22L	20,100	B3 U1 G3	20,900	B3 U1 G3	14,200	B3 U1 G3	20,900	B3 U1 G3
30L	27,400	B3 U1 G3	28,500	B3 U1 G3	19,400	B3 U1 G3	28,500	B3 U1 G3
40L	36,500	B4 U1 G4	38,000	B4 U1 G4	25,900	B3 U1 G3	38,000	B4 U1 G4
50L	45,600	B4 U1 G5	47,500	B4 U1 G5	32,300	B3 U1 G4	47,500	B4 U1 G5
65L	59,300	B4 U1 G5	61,800	B4 U1 G5	42,000	B4 U1 G4	61,800	B4 U1 G5
75L	68,400	B5 U1 G5	71,300	B5 U1 G5	48,500	B4 U1 G5	71,300	B5 U1 G5

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

2B



PRELIMINARY RESTL Test Report
OSQ Luminaire w/2B Optic
Initial Delivered Lumens: 10,422

OSQL-C-40L-40K7-2B-UL
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 26,200
Initial FC at grade

Type II Mid w/BLS Distribution								
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	2,510	B1 U1 G1	2,620	B1 U1 G1	1,780	B0 U1 G1	2,620	B1 U1 G1
6L	3,760	B1 U1 G1	3,920	B1 U1 G1	2,670	B1 U1 G1	3,920	B1 U1 G1
9L	5,650	B1 U1 G1	5,875	B1 U1 G1	4,000	B1 U1 G1	5,875	B1 U1 G1
11L	6,900	B1 U1 G2	7,200	B1 U1 G2	4,890	B1 U1 G1	7,200	B1 U1 G2
16L	10,075	B2 U1 G2	10,450	B2 U1 G2	7,100	B1 U1 G2	10,450	B2 U1 G2
22L	13,800	B2 U1 G2	14,375	B2 U1 G2	9,775	B1 U1 G2	14,375	B2 U1 G2
30L	18,800	B2 U1 G3	19,600	B2 U1 G3	13,350	B2 U1 G2	19,600	B2 U1 G3
40L	25,100	B3 U1 G3	26,200	B3 U1 G3	17,800	B2 U1 G3	26,200	B3 U1 G3
50L	31,400	B3 U1 G4	32,700	B3 U1 G4	22,200	B3 U1 G3	32,700	B3 U1 G4
65L	40,800	B3 U1 G4	42,500	B3 U1 G4	28,900	B3 U1 G3	42,500	B3 U1 G4
75L	47,100	B3 U1 G4	49,000	B3 U1 G5	33,300	B3 U1 G4	49,000	B3 U1 G5

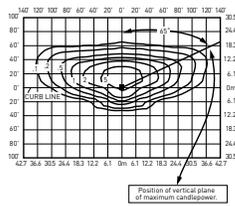
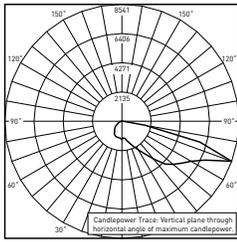
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

Photometry

All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult:

<https://creelighting.com/products/outdoor/area/osq-series>

2M W/OSQ-*-C-BLSF



PRELIMINARY RESTL Test Report
OSQ Luminaire w/2M Optic w/OSQ-M-C-BLSF
Initial Delivered Lumens: 9,579

OSQ-L-C-40L-40K7-2M-UL w/OSQ-L-C-BLSF
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 26,200
Initial FC at grade

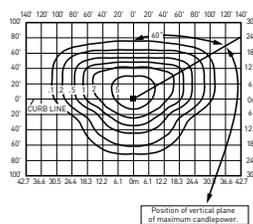
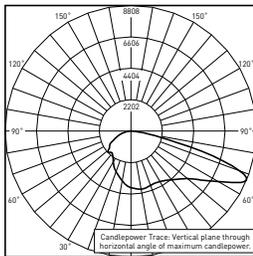
Type II Mid Distribution w/OSQ-*-C-BLSF

Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	2,510	B1 U1 G1	2,620	B1 U1 G1	1,780	B0 U1 G1	2,620	B1 U1 G1
6L	3,760	B1 U1 G1	3,920	B1 U1 G1	2,670	B1 U1 G1	3,920	B1 U1 G1
9L	5,650	B1 U1 G1	5,875	B1 U1 G1	4,000	B1 U1 G1	5,875	B1 U1 G1
11L	6,900	B1 U1 G2	7,200	B1 U1 G2	4,890	B1 U1 G2	7,200	B1 U1 G2
16L	10,075	B1 U1 G2	10,450	B1 U1 G2	7,100	B1 U1 G2	10,450	B1 U1 G2
22L	13,800	B2 U1 G2	14,375	B2 U1 G2	9,775	B1 U1 G2	14,375	B2 U1 G2
30L	18,800	B2 U1 G3	19,600	B2 U1 G3	13,350	B2 U1 G2	19,600	B2 U1 G3
40L	25,100	B3 U1 G3	26,200	B3 U1 G4	17,800	B2 U1 G3	26,200	B3 U1 G4
50L	31,400	B3 U1 G4	32,700	B3 U1 G4	22,200	B3 U1 G3	32,700	B3 U1 G4
65L	40,800	B3 U1 G4	42,500	B3 U1 G5	28,900	B3 U1 G4	42,500	B3 U1 G5
75L	47,100	B3 U1 G5	49,000	B3 U1 G5	33,300	B3 U1 G4	49,000	B3 U1 G5

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

3M



RESTL Test Report #: PL17240-001A
OSQM-C-16L-57K7-3M-UL-NM-WH
Initial Delivered Lumens: 15,444

OSQ-L-C-40L-40K7-3M-UL
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 38,000
Initial FC at grade

Type III Mid Distribution

Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	3,650	B1 U0 G1	3,800	B1 U0 G1	2,590	B1 U0 G1	3,800	B1 U0 G1
6L	5,475	B1 U0 G1	5,700	B1 U0 G1	3,880	B1 U0 G1	5,700	B1 U0 G1
9L	8,225	B2 U0 G2	8,550	B2 U0 G2	5,825	B1 U0 G1	8,550	B2 U0 G2
11L	10,025	B2 U0 G2	10,450	B2 U0 G2	7,100	B2 U0 G2	10,450	B2 U0 G2
16L	14,650	B3 U0 G3	15,200	B3 U0 G3	10,325	B2 U0 G2	15,200	B3 U0 G3
22L	20,100	B3 U0 G3	20,900	B3 U0 G3	14,200	B3 U0 G3	20,900	B3 U0 G3
30L	27,400	B3 U0 G3	28,500	B3 U0 G3	19,400	B3 U0 G3	28,500	B3 U0 G3
40L	36,500	B4 U0 G4	38,000	B4 U0 G4	25,900	B3 U0 G3	38,000	B4 U0 G4
50L	45,600	B4 U0 G4	47,500	B4 U0 G4	32,300	B3 U0 G4	47,500	B4 U0 G4
65L	59,300	B5 U0 G5	61,800	B5 U0 G5	42,000	B4 U0 G4	61,800	B5 U0 G5
75L	68,400	B5 U0 G5	71,300	B5 U0 G5	48,500	B4 U0 G4	71,300	B5 U0 G5

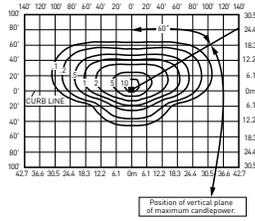
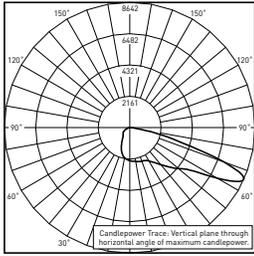
* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

Photometry

All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult: <https://creelighting.com/products/outdoor/area/osq-series>

3B



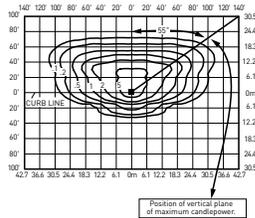
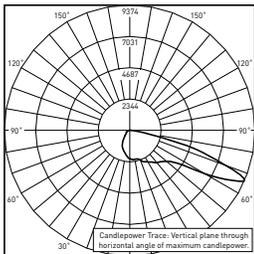
RESSL Test Report #: PL17366-001A
OSQM-C-16L-57K7-3B-UL-NM-WH
Initial Delivered Lumens: 10,081

OSQL-C-40L-40K7-3B-UL
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 26,200
Initial FC at grade

Type III Mid w/BLS Distribution								
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	2,510	B1 U0 G1	2,620	B1 U0 G1	1,780	B0 U0 G1	2,620	B1 U0 G1
6L	3,760	B1 U0 G1	3,920	B1 U0 G1	2,670	B1 U0 G1	3,920	B1 U0 G1
9L	5,650	B1 U0 G1	5,875	B1 U0 G1	4,000	B1 U0 G1	5,875	B1 U0 G1
11L	6,900	B1 U0 G2	7,200	B1 U0 G2	4,890	B1 U0 G1	7,200	B1 U0 G2
16L	10,075	B2 U0 G2	10,450	B2 U0 G2	7,100	B1 U0 G2	10,450	B2 U0 G2
22L	13,800	B2 U0 G2	14,375	B2 U0 G2	9,775	B2 U0 G2	14,375	B2 U0 G2
30L	18,800	B3 U0 G3	19,600	B3 U0 G3	13,350	B2 U0 G2	19,600	B3 U0 G3
40L	25,100	B3 U0 G3	26,200	B3 U0 G3	17,800	B3 U0 G3	26,200	B3 U0 G3
50L	31,400	B3 U0 G4	32,700	B3 U0 G4	22,200	B3 U0 G3	32,700	B3 U0 G4
65L	40,800	B3 U0 G4	42,500	B4 U0 G4	28,900	B3 U0 G4	42,500	B4 U0 G4
75L	47,100	B4 U0 G5	49,000	B4 U0 G5	33,300	B3 U0 G4	49,000	B4 U0 G5

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

3M W/OSQ-*-C-BLSF



RESSL Test Report#: PL17054-001A
OSQM-C-16L-57K7-3M-UL-NM-WH-R w/
OSQ-M-C-BLSF
Initial Delivered Lumens: 10,227

OSQL-C-40L-40K7-3M-UL w/OSQ-L-C-BLSF
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 26,200
Initial FC at grade

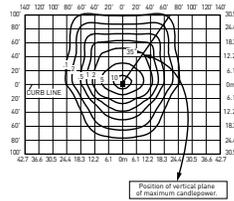
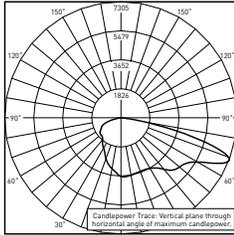
Type III Mid Distribution w/OSQ-*-C-BLSF								
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	2,510	B1 U1 G1	2,620	B1 U1 G1	1,780	B0 U1 G1	2,620	B1 U1 G1
6L	3,760	B1 U1 G1	3,920	B1 U1 G1	2,670	B1 U1 G1	3,920	B1 U1 G1
9L	5,650	B1 U1 G1	5,875	B1 U1 G1	4,000	B1 U1 G1	5,875	B1 U1 G2
11L	6,900	B1 U1 G2	7,200	B1 U1 G2	4,890	B1 U1 G1	7,200	B1 U1 G2
16L	10,075	B2 U1 G2	10,450	B2 U1 G2	7,100	B1 U1 G2	10,450	B2 U1 G2
22L	13,800	B2 U2 G2	14,375	B2 U2 G2	9,775	B2 U1 G2	14,375	B2 U2 G2
30L	18,800	B3 U2 G3	19,600	B3 U2 G3	13,350	B2 U2 G2	19,600	B3 U2 G3
40L	25,100	B3 U2 G4	26,200	B3 U2 G4	17,800	B3 U2 G3	26,200	B3 U2 G4
50L	31,400	B3 U2 G4	32,700	B3 U2 G4	22,200	B3 U2 G3	32,700	B3 U2 G4
65L	40,800	B3 U2 G5	42,500	B3 U2 G5	28,900	B3 U2 G4	42,500	B3 U2 G5
75L	47,100	B4 U2 G5	49,000	B4 U2 G5	33,300	B3 U2 G4	49,000	B4 U2 G5

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

Photometry

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4M



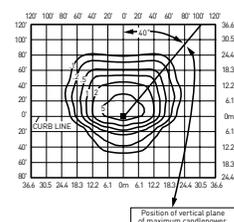
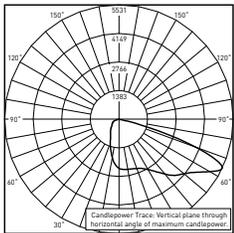
RESTL Test Report #: PL17299-001A
OSQM-C-16L-57K7-4M-UL-NM-WH
Initial Delivered Lumens: 15,584

OSQL-C-40L-40K7-4M-UL
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 38,000
Initial FC at grade

Type IV Mid Distribution								
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	3,650	B1 U0 G1	3,800	B1 U0 G1	2,590	B1 U0 G1	3,800	B1 U0 G1
6L	5,475	B1 U0 G1	5,700	B1 U0 G1	3,880	B1 U0 G1	5,700	B1 U0 G1
9L	8,225	B2 U0 G2	8,550	B2 U0 G2	5,825	B1 U0 G1	8,550	B2 U0 G2
11L	10,025	B2 U0 G2	10,450	B2 U0 G2	7,100	B2 U0 G1	10,450	B2 U0 G2
16L	14,650	B3 U0 G2	15,200	B3 U0 G2	10,325	B2 U0 G2	15,200	B3 U0 G2
22L	20,100	B3 U0 G3	20,900	B3 U0 G3	14,200	B3 U0 G2	20,900	B3 U0 G3
30L	27,400	B3 U0 G3	28,500	B3 U0 G3	19,400	B3 U0 G3	28,500	B3 U0 G3
40L	36,500	B4 U0 G4	38,000	B4 U0 G4	25,900	B3 U0 G3	38,000	B4 U0 G4
50L	45,600	B4 U0 G4	47,500	B4 U0 G4	32,300	B4 U0 G3	47,500	B4 U0 G4
65L	59,300	B5 U0 G5	61,800	B5 U0 G5	42,000	B4 U0 G4	61,800	B5 U0 G5
75L	68,400	B5 U0 G5	71,300	B5 U0 G5	48,500	B4 U0 G4	71,300	B5 U0 G5

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
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4B



RESTL Test Report #: PL17367-001A
OSQM-C-16L-57K7-4B-UL-NM-WH
Initial Delivered Lumens: 9,812

OSQL-C-40L-40K7-4B-UL
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 24,000
Initial FC at grade

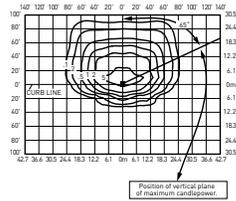
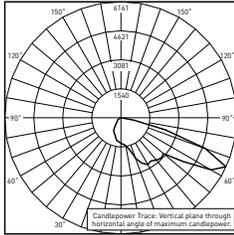
Type IV Mid w/BLS Distribution								
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	2,300	B1 U0 G0	2,400	B1 U0 G0	1,630	B0 U0 G0	2,400	B1 U0 G0
6L	3,440	B1 U0 G1	3,590	B1 U0 G1	2,440	B1 U0 G0	3,590	B1 U0 G1
9L	5,175	B1 U0 G1	5,400	B1 U0 G1	3,670	B1 U0 G1	5,400	B1 U0 G1
11L	6,325	B1 U0 G1	6,600	B1 U0 G1	4,480	B1 U0 G1	6,600	B1 U0 G1
16L	9,225	B2 U0 G2	9,575	B2 U0 G2	6,525	B1 U0 G1	9,575	B2 U0 G2
22L	12,625	B2 U0 G2	13,175	B2 U0 G2	8,950	B2 U0 G2	13,175	B2 U0 G2
30L	17,200	B3 U0 G2	18,000	B3 U0 G2	12,225	B2 U0 G2	18,000	B3 U0 G2
40L	23,000	B3 U0 G3	24,000	B3 U0 G3	16,300	B3 U0 G2	24,000	B3 U0 G3
50L	28,700	B3 U0 G3	29,900	B3 U0 G3	20,400	B3 U0 G2	29,900	B3 U0 G3
65L	37,400	B3 U0 G4	38,900	B3 U0 G4	26,500	B3 U0 G3	38,900	B3 U0 G4
75L	43,100	B4 U0 G4	44,900	B4 U0 G4	30,500	B3 U0 G3	44,900	B4 U0 G4

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

Photometry

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4M W/OSQ-*-C-BLSF



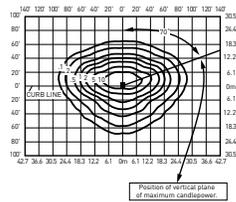
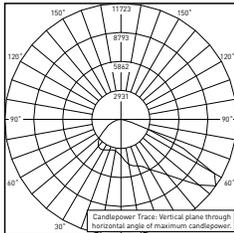
PRELIMINARY RESTL Test Report
OSQ Luminaire w/4M Optic w/OSQ-M-C-BLSF
Initial Delivered Lumens: 9,345

OSQL-C-40L-40K7-4M-UL w/OSQ-L-C-BLSF
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 24,000
Initial FC at grade

Type IV Mid Distribution w/OSQ-*-C-BLSF								
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	2,300	B0 U1 G1	2,400	B1 U1 G1	1,630	B0 U1 G1	2,400	B1 U1 G1
6L	3,440	B1 U1 G1	3,590	B1 U1 G1	2,440	B1 U1 G1	3,590	B1 U1 G1
9L	5,175	B1 U1 G1	5,400	B1 U1 G1	3,670	B1 U1 G1	5,400	B1 U1 G1
11L	6,325	B1 U1 G2	6,600	B1 U1 G2	4,480	B1 U1 G1	6,600	B1 U1 G2
16L	9,225	B1 U1 G2	9,575	B1 U1 G2	6,525	B1 U1 G2	9,575	B1 U1 G2
22L	12,625	B2 U1 G2	13,175	B2 U1 G2	8,950	B1 U1 G2	13,175	B2 U1 G2
30L	17,200	B2 U1 G3	18,000	B2 U1 G3	12,225	B2 U1 G2	18,000	B2 U1 G3
40L	23,000	B3 U1 G3	24,000	B3 U1 G3	16,300	B2 U1 G2	24,000	B3 U1 G3
50L	28,700	B3 U1 G4	29,900	B3 U1 G4	20,400	B2 U1 G3	29,900	B3 U1 G4
65L	37,400	B3 U1 G4	38,900	B3 U1 G4	26,500	B3 U1 G4	38,900	B3 U1 G4
75L	43,100	B3 U1 G5	44,900	B3 U1 G5	30,500	B3 U1 G4	44,900	B3 U1 G5

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
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AF



PRELIMINARY RESTL Test Report
OSQ Luminaire w/AF Optic
Initial Delivered Lumens: 15,866

OSQL-C-40L-40K7-AF-UL
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 38,000
Initial FC at grade

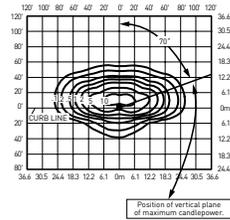
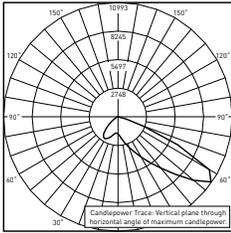
Automotive FrontLineOptic™ Distribution								
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	3,650	B1 U1 G1	3,800	B1 U1 G1	2,590	B1 U1 G1	3,800	B1 U1 G1
6L	5,475	B1 U1 G1	5,700	B1 U1 G1	3,880	B1 U1 G1	5,700	B1 U1 G1
9L	8,225	B2 U1 G1	8,550	B2 U1 G1	5,825	B1 U1 G1	8,550	B2 U1 G1
11L	10,025	B2 U1 G2	10,450	B2 U1 G2	7,100	B2 U1 G1	10,450	B2 U1 G2
16L	14,650	B3 U1 G2	15,200	B3 U1 G2	10,325	B2 U1 G2	15,200	B3 U1 G2
22L	20,100	B3 U1 G3	20,900	B3 U1 G3	14,200	B2 U1 G2	20,900	B3 U1 G3
30L	27,400	B3 U1 G3	28,500	B3 U1 G3	19,400	B3 U1 G3	28,500	B3 U1 G3
40L	36,500	B4 U1 G3	38,000	B4 U1 G3	25,900	B3 U1 G3	38,000	B4 U1 G3
50L	45,600	B4 U1 G4	47,500	B4 U1 G4	32,300	B3 U1 G3	47,500	B4 U1 G4
65L	59,300	B5 U1 G4	61,800	B5 U1 G4	42,000	B4 U1 G3	61,800	B5 U1 G4
75L	68,400	B5 U1 G4	71,300	B5 U1 G4	48,500	B4 U1 G4	71,300	B5 U1 G4

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

Photometry

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AB



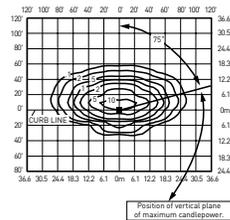
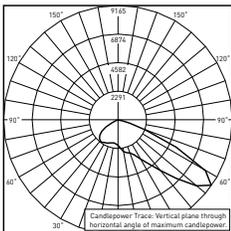
PRELIMINARY RESTL Test Report
OSQ Luminaire w/AB Optic
Initial Delivered Lumens: 11,393

OSQ-L-C-40L-40K7-AB-UL
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 26,200
Initial FC at grade

Automotive FrontLineOptic™ w/BLS Distribution								
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	2,510	B1 U1 G0	2,620	B1 U1 G0	1,780	B0 U1 G0	2,620	B1 U1 G0
6L	3,760	B1 U1 G0	3,920	B1 U1 G1	2,670	B1 U1 G0	3,920	B1 U1 G1
9L	5,650	B1 U1 G1	5,875	B1 U1 G1	4,000	B1 U1 G1	5,875	B1 U1 G1
11L	6,900	B1 U1 G1	7,200	B1 U1 G1	4,890	B1 U1 G1	7,200	B1 U1 G1
16L	10,075	B2 U1 G1	10,450	B2 U1 G1	7,100	B1 U1 G1	10,450	B2 U1 G1
22L	13,800	B2 U1 G2	14,375	B2 U1 G2	9,775	B2 U1 G1	14,375	B2 U1 G2
30L	18,800	B2 U1 G2	19,600	B2 U1 G2	13,350	B2 U1 G2	19,600	B2 U1 G2
40L	25,100	B3 U1 G2	26,200	B3 U1 G2	17,800	B2 U1 G2	26,200	B3 U1 G2
50L	31,400	B3 U1 G2	32,700	B3 U1 G2	22,200	B3 U1 G2	32,700	B3 U1 G2
65L	40,800	B3 U1 G3	42,500	B3 U1 G3	28,900	B3 U1 G2	42,500	B3 U1 G3
75L	47,100	B3 U1 G3	49,000	B4 U1 G3	33,300	B3 U1 G2	49,000	B4 U1 G3

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

AF W/OSQ*-C-BLSF



PRELIMINARY RESTL Test Report
OSQ Luminaire w/AF Optic w/OSQ-M-C-BLSF
Initial Delivered Lumens: 9,783

OSQ-L-C-40L-40K7-AF-UL w/OSQ-L-C-BLSF
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 26,200
Initial FC at grade

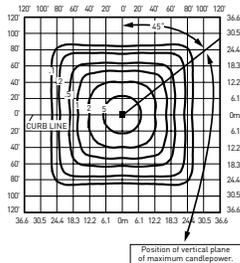
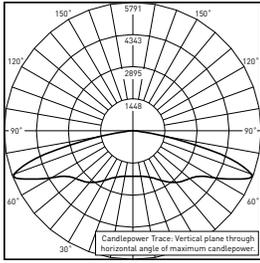
Automotive FrontLineOptic™ w/OSQ*-C-BLSF								
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	2,510	B1 U1 G0	2,620	B1 U1 G0	1,780	B0 U1 G0	2,620	B1 U1 G0
6L	3,760	B1 U1 G0	3,920	B1 U1 G1	2,670	B1 U1 G0	3,920	B1 U1 G1
9L	5,650	B1 U1 G1	5,875	B1 U1 G1	4,000	B1 U1 G1	5,875	B1 U1 G1
11L	6,900	B1 U1 G1	7,200	B1 U1 G1	4,890	B1 U1 G1	7,200	B1 U1 G1
16L	10,075	B2 U1 G1	10,450	B2 U1 G1	7,100	B1 U1 G1	10,450	B2 U1 G1
22L	13,800	B2 U1 G2	14,375	B2 U1 G2	9,775	B2 U1 G1	14,375	B2 U1 G2
30L	18,800	B3 U1 G2	19,600	B3 U1 G2	13,350	B2 U1 G2	19,600	B3 U1 G2
40L	25,100	B3 U1 G2	26,200	B3 U1 G2	17,800	B2 U1 G2	26,200	B3 U1 G2
50L	31,400	B3 U1 G2	32,700	B3 U1 G2	22,200	B3 U1 G2	32,700	B3 U1 G2
65L	40,800	B3 U1 G3	42,500	B3 U1 G3	28,900	B3 U1 G2	42,500	B3 U1 G3
75L	47,100	B4 U1 G3	49,000	B4 U1 G3	33,300	B3 U1 G2	49,000	B4 U1 G3

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

Photometry

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5M



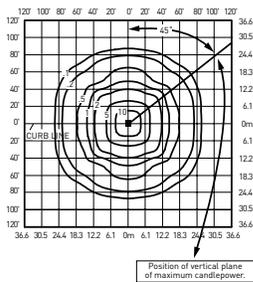
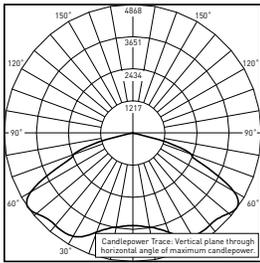
RESTL Test Report #: PL17290-002A
OSQM-C-16L-57K7-5M-UL-NM-WH
Initial Delivered Lumens: 15,567

OSQL-C-40L-40K7-5M-UL
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 40,000
Initial FC at grade

Type V Mid Distribution								
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	3,840	B2 U0 G1	4,000	B2 U0 G1	2,720	B2 U0 G1	4,000	B2 U0 G1
6L	5,750	B3 U0 G1	6,000	B3 U0 G1	4,080	B2 U0 G1	6,000	B3 U0 G1
9L	8,650	B3 U0 G1	9,000	B3 U0 G1	6,125	B3 U0 G1	9,000	B3 U0 G1
11L	10,550	B3 U0 G2	11,000	B3 U0 G2	7,475	B3 U0 G1	11,000	B3 U0 G2
16L	15,400	B4 U0 G2	16,000	B4 U0 G2	10,875	B3 U0 G2	16,000	B4 U0 G2
22L	21,100	B4 U0 G2	22,000	B4 U0 G2	14,950	B4 U0 G2	22,000	B4 U0 G2
30L	28,800	B5 U0 G3	30,000	B5 U0 G3	20,400	B4 U0 G2	30,000	B5 U0 G3
40L	38,400	B5 U0 G3	40,000	B5 U0 G4	27,200	B5 U0 G3	40,000	B5 U0 G4
50L	48,000	B5 U0 G4	50,000	B5 U0 G4	34,000	B5 U0 G3	50,000	B5 U0 G4
65L	62,400	B5 U0 G5	65,000	B5 U0 G5	44,200	B5 U0 G4	65,000	B5 U0 G5
75L	72,000	B5 U0 G5	75,000	B5 U0 G5	51,000	B5 U0 G4	75,000	B5 U0 G5

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
 ** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

5N



RESTL Test Report #: PL17333-002A
OSQM-C-16L-57K7-5N-UL-NM-WH
Initial Delivered Lumens: 16,299

OSQL-C-40L-40K7-5N-UL
Mounting Height: 25' (7.6m) A.F.G.
Initial Delivered Lumens: 40,000
Initial FC at grade

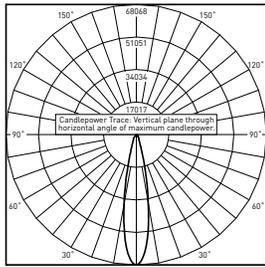
Type V Narrow Distribution								
Lumen Package	3000K (70 CRI)		4000K (70 CRI)		5000K (90 CRI)		5700K (70 CRI)	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20	Initial Delivered Lumens*	BUG Ratings** Per TM-15-20
4L	3,840	B2 U0 G0	4,000	B2 U0 G0	2,720	B1 U0 G0	4,000	B2 U0 G0
6L	5,750	B2 U0 G0	6,000	B2 U0 G1	4,080	B2 U0 G0	6,000	B2 U0 G1
9L	8,650	B2 U0 G1	9,000	B3 U0 G1	6,125	B2 U0 G1	9,000	B3 U0 G1
11L	10,550	B3 U0 G1	11,000	B3 U0 G1	7,475	B2 U0 G1	11,000	B3 U0 G1
16L	15,400	B3 U0 G1	16,000	B3 U0 G2	10,875	B3 U0 G1	16,000	B3 U0 G2
22L	21,100	B4 U0 G2	22,000	B4 U0 G2	14,950	B3 U0 G1	22,000	B4 U0 G2
30L	28,800	B4 U0 G2	30,000	B5 U0 G2	20,400	B4 U0 G2	30,000	B5 U0 G2
40L	38,400	B5 U0 G2	40,000	B5 U0 G2	27,200	B4 U0 G2	40,000	B5 U0 G2
50L	48,000	B5 U0 G3	50,000	B5 U0 G3	34,000	B5 U0 G2	50,000	B5 U0 G3
65L	62,400	B5 U0 G3	65,000	B5 U0 G3	44,200	B5 U0 G2	65,000	B5 U0 G3
75L	72,000	B5 U0 G4	75,000	B5 U0 G4	51,000	B5 U0 G3	75,000	B5 U0 G4

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens
 ** For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: <https://www.ies.org/wp-content/uploads/2017/03/TM-15-11BUGRatingsAddendum.pdf>. Valid with no tilt

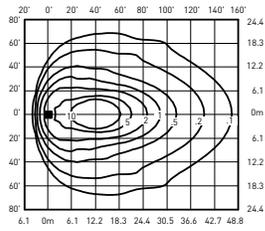
Photometry

All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult: <https://creelighting.com/products/outdoor/area/osq-series>

33



RESTL Test Report #: PL17338-001A
OSQM-C-16L-57K7-33-UL-NM-WH
Initial Delivered Lumens: 16,127

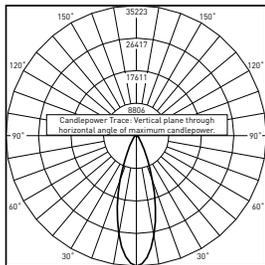


OSQL-C-40L-40K7-33-UL
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt
Initial Delivered Lumens: 40,000
Initial FC at grade

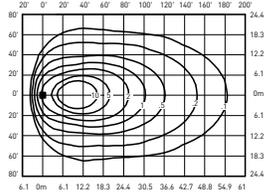
NEMA® 3x3 Distribution				
Lumen Package	3000K (70 CRI)	4000K (70 CRI)	5000K (90CRI)	5700K (70 CRI)
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
4L	3,840	4,000	2,720	4,000
6L	5,750	6,000	4,080	6,000
9L	8,650	9,000	6,125	9,000
11L	10,550	11,000	7,475	11,000
16L	15,400	16,000	10,875	16,000
22L	21,100	22,000	14,950	22,000
30L	28,800	30,000	20,400	30,000
40L	38,400	40,000	27,200	40,000
50L	48,000	50,000	34,000	50,000
65L	62,400	65,000	44,200	65,000
75L	72,000	75,000	51,000	75,000

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

44



PRELIMINARY RESTL Test Report
OSQ Luminaire w/44 Optic
Initial Delivered Lumens: 16,001



OSQL-C-40L-40K7-44-UL
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt
Initial Delivered Lumens: 40,000
Initial FC at grade

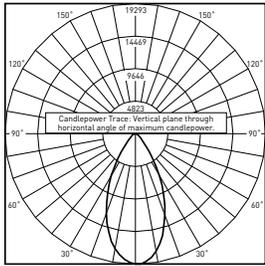
NEMA® 4x4 Distribution				
Lumen Package	3000K (70 CRI)	4000K (70 CRI)	5000K (90CRI)	5700K (70 CRI)
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
4L	3,840	4,000	2,720	4,000
6L	5,750	6,000	4,080	6,000
9L	8,650	9,000	6,125	9,000
11L	10,550	11,000	7,475	11,000
16L	15,400	16,000	10,875	16,000
22L	21,100	22,000	14,950	22,000
30L	28,800	30,000	20,400	30,000
40L	38,400	40,000	27,200	40,000
50L	48,000	50,000	34,000	50,000
65L	62,400	65,000	44,200	65,000
75L	72,000	75,000	51,000	75,000

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

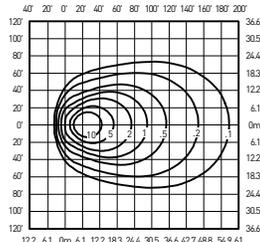
Photometry

All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult: <https://creelighting.com/products/outdoor/area/osq-series>

55



PRELIMINARY RESTL Test Report
OSQ Luminaire w/55 Optic
Initial Delivered Lumens: 15,967

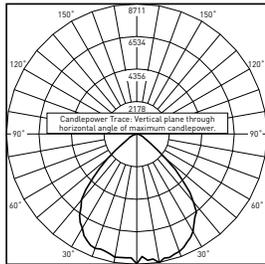


OSQ-L-C-40L-40K7-55-UL
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt
Initial Delivered Lumens: 40,000
Initial FC at grade

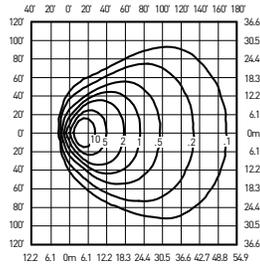
NEMA® 5x5 Distribution				
Lumen Package	3000K (70 CRI)	4000K (70 CRI)	5000K (90CRI)	5700K (70 CRI)
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
4L	3,840	4,000	2,720	4,000
6L	5,750	6,000	4,080	6,000
9L	8,650	9,000	6,125	9,000
11L	10,550	11,000	7,475	11,000
16L	15,400	16,000	10,875	16,000
22L	21,100	22,000	14,950	22,000
30L	28,800	30,000	20,400	30,000
40L	38,400	40,000	27,200	40,000
50L	48,000	50,000	34,000	50,000
65L	62,400	65,000	44,200	65,000
75L	72,000	75,000	51,000	75,000

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

66



PRELIMINARY RESTL Test Report
OSQ Luminaire w/66 Optic
Initial Delivered Lumens: 15,952



OSQ-L-C-40L-40K7-66-UL
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt
Initial Delivered Lumens: 40,000
Initial FC at grade

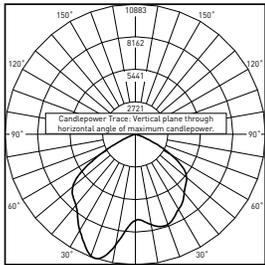
NEMA® 6x6 Distribution				
Lumen Package	3000K (70 CRI)	4000K (70 CRI)	5000K (90CRI)	5700K (70 CRI)
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
4L	3,840	4,000	2,720	4,000
6L	5,750	6,000	4,080	6,000
9L	8,650	9,000	6,125	9,000
11L	10,550	11,000	7,475	11,000
16L	15,400	16,000	10,875	16,000
22L	21,100	22,000	14,950	22,000
30L	28,800	30,000	20,400	30,000
40L	38,400	40,000	27,200	40,000
50L	48,000	50,000	34,000	50,000
65L	62,400	65,000	44,200	65,000
75L	72,000	75,000	51,000	75,000

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

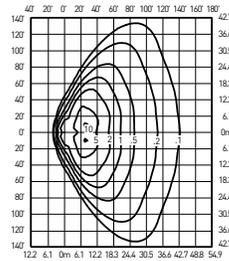
Photometry

All published luminaire photometric testing performed to IES LM-79 standards. To obtain an IES file specific to your project consult: <https://creelighting.com/products/outdoor/area/osq-series>

75



RESTL Test Report #: PL17352-001A
OSQM-C-16L-57K7-75-UL-NM-WH
Initial Delivered Lumens: 16,120



OSQL-C-40L-40K7-75-UL
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt
Initial Delivered Lumens: 40,000
Initial FC at grade

NEMA® 7x5 Distribution				
Lumen Package	3000K (70 CRI)	4000K (70 CRI)	5000K (90CRI)	5700K (70 CRI)
	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*	Initial Delivered Lumens*
4L	3,840	4,000	2,720	4,000
6L	5,750	6,000	4,080	6,000
9L	8,650	9,000	6,125	9,000
11L	10,550	11,000	7,475	11,000
16L	15,400	16,000	10,875	16,000
22L	21,100	22,000	14,950	22,000
30L	28,800	30,000	20,400	30,000
40L	38,400	40,000	27,200	40,000
50L	48,000	50,000	34,000	50,000
65L	62,400	65,000	44,200	65,000
75L	72,000	75,000	51,000	75,000

* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

Luminaire EPA

Adjustable Arm Mount – OSQ-ML-C-AA Weight: Medium - 19.3 lbs. [8.8kg]; Large - 28.4 lbs. [12.9kg]; OSQ-X-C-DA Weight: Extra Large - 48.6 lbs. [22kg]								
	Single	2 @ 180°	2 @ 90°	3 @ 90°	3 @ 120°	3 @ 180°	4 @ 180°	4 @ 90°
Luminaire	Tenon Configuration [0° - 90° Tilt]; If used with Cree Lighting tenons, please add tenon EPA with Luminaire EPA							
	PB-1A*; PT-1*; PW-1A3**	PB-2A*; PB-2R2.375; PD-2A4(180)*; PT-2(180)*; PW-2A3**	PB-2A*; PB-2R2.375; PD-2A4(90)*; PT-2(90)*; PW-2A3**	PB-3A*; PB-3R2.375; PD-3A4(90)*; PT-3(90)*	PB-3A*; PB-3R2.375; PT-3(120)*	PB-3A*; PB-3R2.375	PB-4A*(180); PB-4R2.375	PB-4A*(90); PB-4R2.375; PD-4A4(90)*; PT-4(90)*
	0° Tilt							
OSQM	0.69	1.38	1.11	1.80	2.01	1.38	1.73	2.22
OSQL	0.78	1.55	1.30	2.07	2.33	1.55	1.94	2.60
OSQX	0.98	1.95	1.65	2.63	2.97	1.95	2.44	3.31
	45° Tilt							
OSQM	1.41	2.81	2.10	3.50	4.23	4.22	5.63	4.19
OSQL	2.62	5.23	3.39	6.01	6.91	7.85	10.46	6.79
OSQX	4.35	8.70	5.33	9.68	9.65	13.05	17.40	10.66
	90° Tilt***							
OSQM	1.89	3.79	2.58	4.48	5.56	5.68	7.57	5.17
OSQL	3.52	7.03	4.29	7.81	9.14	10.55	14.07	8.59
OSQX	5.84	11.68	6.82	12.66	12.78	17.52	23.36	13.63

* Specify pole size: 3 [3"], 4 [4"], 5 [5"], or 6 [6"] for single, double or triple luminaire orientation or 4 [4"], 5 [5"], or 6 [6"] for quad luminaire orientation
 ** These EPA values must be multiplied by the following ratio: Fixture Mounting Height/Total Pole Height. Specify pole size: 3 [3"], 4 [4"], 5 [5"], or 6 [6"]
 *** PD-2A4(90), PT-2(90), PD-3A4(90), PT-3(90), PD-4A4(90), PT-4(90) are not compatible with 90 degree tilt
 + PT & PD aluminum tenons are not suitable for use with OSQX luminaires.

Tenon EPA

Part Number	EPA
PB-1A*	None
PB-2A*	0.82
PB-3A*	1.52
PB-4A*(180)	2.22
PB-4A*(90)	1.11
PB-2R2.375	0.92
PB-3R2.375	1.62
PB-4R2.375	2.32
PD Series Tenons	0.09
PT Series Tenons	0.10
PW-1A3**	0.47
PW-2A3**	0.94
WM-2	0.08
WM-4	0.25
WM-DM	None

* Specify pole size: 3 [3"], 4 [4"], 5 [5"], or 6 [6"] for single, double or triple luminaire orientation or 4 [4"], 5 [5"], or 6 [6"] for quad luminaire orientation
 ** These EPA values must be multiplied by the following ratio: Fixture Mounting Height/Total Pole Height. Specify pole size: 3 [3"], 4 [4"], 5 [5"], or 6 [6"]

Tenons and Brackets [†] (must specify color)	
<p>Square Internal Mount Vertical Tenons (Steel) - Mounts to 3-6" (76-152mm) square aluminum or steel poles</p> <p>PB-1A* – Single PB-2A* – 180° Twin PB-3A* – 180° Triple</p> <p>PB-4A*(90) – 90° Quad PB-4A*(180) – 180° Quad</p>	<p>Round External Mount Vertical Tenons (Steel) - Mounts to 2.375" (60mm) O.D. round aluminum or steel poles or tenons</p> <p>PB-2R2.375 – Twin PB-3R2.375 – Triple PB-4R2.375 – Quad</p>
<p>Square Internal Mount Horizontal Tenons (Aluminum) - Mounts to 4" (102mm) square aluminum or steel poles - Not for use with OSQX luminaires</p> <p>PD-2A4(90) – 90° Twin PD-2A4(180) – 180° Twin PD-3A4(90) – 90° Triple PD-4A4(90) – 90° Quad</p>	<p>Round External Mount Horizontal Tenons (Aluminum) - Mounts to 2.375" (60mm) O.D. round aluminum or steel poles or tenons - Mounts to square pole with PB-1A* tenon - Not for use with OSQX luminaires</p> <p>PT-1 – Single (Vertical) PT-2(90) – 90° Twin PT-2(180) – 180° Twin PT-3(90) – 90° Triple PT-3(120) – 120° Triple PT-4(90) – 90° Quad</p>
<p>Wall Mount Brackets - Mounts to wall or roof</p> <p>WM-2 – Horizontal for OSQ-ML-C-AA or OSQ-X-C-AA mounts WM-4 – L-Shape for OSQ-ML-C-AA or OSQ-X-C-AA mounts WM-DM – Plate for OSQ-ML-C-DA or OSQ-X-C-DA mounts</p>	<p>Mid-Pole Bracket - Mounts to square pole PW-1A3** – Single PW-2A3** – Double</p>
	<p>Ground Mount Post - For ground-mounted flood luminaires PGM-1 - for OSQ-ML-C-AA or OSQ-X-C-AA mounts</p>

[†] Refer to the [Bracket and Tenons spec sheet](#) for more details

Luminaire EPA

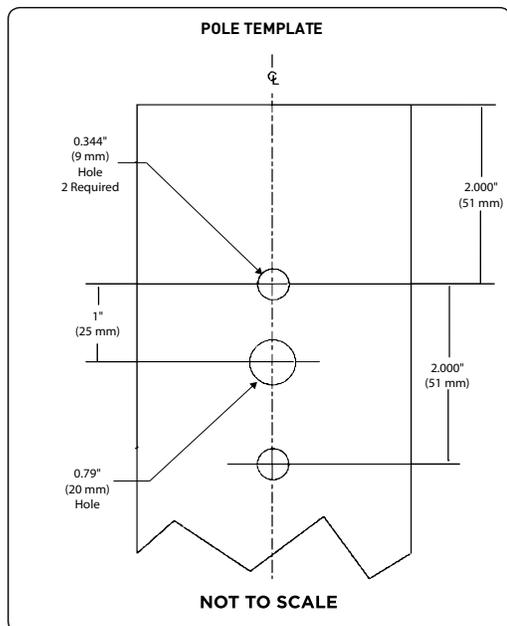
Direct Arm Mount – OSQ-ML-C-DA Weight: Medium - 19.7 lbs. (8.9kg); Large - 28.8 lbs. (13.1kg); OSQ-X-C-DA Weight: Extra Large - 45.8 lbs. (20.8kg)						
Luminaire	Single	2 @ 180°	2 @ 90°	3 @ 90°	3 @ 120°	4 @ 90°
OSQM	0.63	1.26	0.98	1.61	1.79	1.97
OSQL	0.72	1.45	1.24	1.97	2.23	2.49
OSQX	0.91	1.83	1.52	2.43	2.74	3.04

Direct Mount Configurations

Compatibility with Direct Mount Brackets					
Size	2 @ 90°	2 @ 180°	3 @ 90°	3 @ 120°	4 @ 90°
3" Square					
Medium/Large	✓	✓	✓	N/A	✓
Extra Large	N/A	✓	N/A	N/A	N/A
3" Round					
Medium/Large	N/A	✓	N/A	✓	N/A
Extra Large	N/A	N/A	N/A	N/A	N/A
4" Square					
Medium/Large	✓	✓	✓	N/A	✓
Extra Large	✓	✓	✓	N/A	✓
4" Round					
Medium/Large	✓	✓	✓	✓	✓
Extra Large	✓	✓	✓	✓	✓
5" Square					
Medium/Large	✓	✓	✓	N/A	✓
Extra Large	✓	✓	✓	N/A	✓
5" Round					
Medium/Large	✓	✓	✓	✓	✓
Extra Large	✓	✓	✓	✓	✓
6" + Square					
Medium/Large	✓	✓	✓	N/A	✓
Extra Large	✓	✓	✓	N/A	✓
6" + Round					
Medium/Large	✓	✓	✓	✓	✓
Extra Large	✓	✓	✓	✓	✓

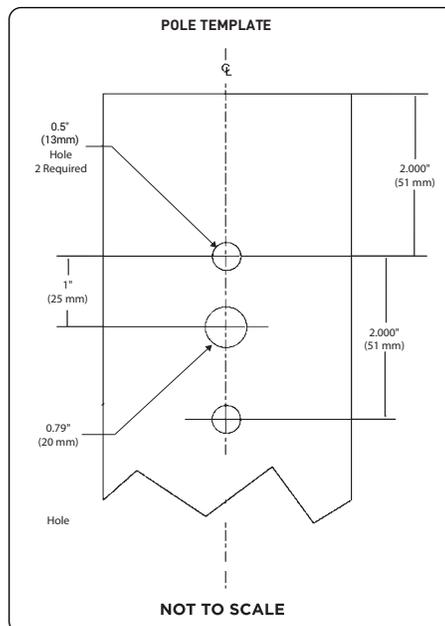
Fixture Mounting Drill Pattern for OSQ-ML-C-DA Mount

Note: When using with Cree Lighting poles, order the BLANK Fixture Mounting Drill Pattern.



Fixture Mounting Drill Pattern for OSQ-X-C-DA

Note: When using with Cree Lighting poles, order the Q Fixture Mounting Drill Pattern.



Luminaire EPA

Trunnion Mount – OSQ-ML-C-TM Weight:	
Medium - 23.2 lbs. (10.5kg);	
Large - 32.3 lbs. (14.7kg)	
Single	
Medium	Large
0° Tilt	
0.69	0.78
45° Tilt	
1.41	2.62
90° Tilt	
1.89	3.52

Field Adjustable Output (Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:

The Field Adjustable Output option enables the OSQ area luminaires to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected Q setting and will be fully adjustable between the nine settings. When ordered with the N option, the luminaire will include an ANSI C136.15-2020 utility label that indicates the wattage (rounded to nearest 10W), the lumen output (rounded to nearest 1000 lumens), and the CCT of the luminaire at the selected lumen output. Additional dimming functionality is available when a dimming control (by others) is used in the 7-Pin receptacle.

Locked Lumen Output (X8/X7/X6/X5/X4/X3/X2/X1) Option Description:

The Locked Lumen Output option on this page permanently locks the lumen output on the OSQ area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected and will only be able to be adjusted down in the field through a dimming control (by others). When ordered with the N option, the luminaire will include a utility label that indicates the wattage, lumen output, and CCT of the setting selected.

Q & X Option Power & Lumen Data – 4L Lumen Package

Q/X Option Setting	CCT/CRI	System Watts 120-277V	Lumen Values				Utility Label Wattage	Utility Label Lumens			
			Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS		Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS
Q9 (Full Power)	30K (70 CRI)	26	3,650	3,840	2,510	2,300	30	4000 L	4000 L	3000 L	2000 L
	40K (70 CRI)		3,800	4,000	2,620	2,400		4000 L	4000 L	3000 L	2000 L
	50K (90 CRI)		2,590	2,720	1,780	1,630		3000 L	3000 L	2000 L	2000 L
	57K (70 CRI)		3,800	4,000	2,620	2,400		4000 L	4000 L	3000 L	2000 L
Q8/X8	30K (70 CRI)	24	3,480	3,660	2,390	2,190	20	3000 L	4000 L	2000 L	2000 L
	40K (70 CRI)		3,630	3,820	2,500	2,290		4000 L	4000 L	3000 L	2000 L
	50K (90 CRI)		2,460	2,590	1,690	1,550		2000 L	3000 L	2000 L	2000 L
	57K (70 CRI)		3,630	3,820	2,500	2,290		4000 L	4000 L	3000 L	2000 L
Q7/X7	30K (70 CRI)	23	3,340	3,510	2,300	2,100	20	3000 L	4000 L	2000 L	2000 L
	40K (70 CRI)		3,480	3,660	2,390	2,190		3000 L	4000 L	2000 L	2000 L
	50K (90 CRI)		2,370	2,490	1,630	1,490		2000 L	2000 L	2000 L	1000 L
	57K (70 CRI)		3,480	3,660	2,390	2,190		3000 L	4000 L	2000 L	2000 L
Q6/X6	30K (70 CRI)	22	3,220	3,390	2,220	2,030	20	3000 L	3000 L	2000 L	2000 L
	40K (70 CRI)		3,360	3,540	2,310	2,120		3000 L	4000 L	2000 L	2000 L
	50K (90 CRI)		2,280	2,400	1,570	1,440		2000 L	2000 L	2000 L	1000 L
	57K (70 CRI)		3,360	3,540	2,310	2,120		3000 L	4000 L	2000 L	2000 L
Q5/X5	30K (70 CRI)	20	2,950	3,100	2,030	1,860	20	3000 L	3000 L	2000 L	2000 L
	40K (70 CRI)		3,070	3,230	2,110	1,930		3000 L	3000 L	2000 L	2000 L
	50K (90 CRI)		2,090	2,200	1,440	1,320		2000 L	2000 L	1000 L	1000 L
	57K (70 CRI)		3,070	3,230	2,110	1,930		3000 L	3000 L	2000 L	2000 L
Q4/X4	30K (70 CRI)	18	2,680	2,820	1,840	1,690	20	3000 L	3000 L	2000 L	2000 L
	40K (70 CRI)		2,790	2,940	1,920	1,760		3000 L	3000 L	2000 L	2000 L
	50K (90 CRI)		1,900	2,000	1,310	1,200		2000 L	2000 L	1000 L	1000 L
	57K (70 CRI)		2,790	2,940	1,920	1,760		3000 L	3000 L	2000 L	2000 L
Q3/X3	30K (70 CRI)	16	2,470	2,600	1,700	1,560	20	2000 L	3000 L	2000 L	2000 L
	40K (70 CRI)		2,580	2,710	1,770	1,620		3000 L	3000 L	2000 L	2000 L
	50K (90 CRI)		1,750	1,840	1,200	1,100		2000 L	2000 L	1000 L	1000 L
	57K (70 CRI)		2,580	2,710	1,770	1,620		3000 L	3000 L	2000 L	2000 L
Q2/X2	30K (70 CRI)	15	2,220	2,340	1,530	1,400	20	2000 L	2000 L	2000 L	1000 L
	40K (70 CRI)		2,320	2,440	1,600	1,460		2000 L	2000 L	2000 L	1000 L
	50K (90 CRI)		1,580	1,660	1,090	990		2000 L	2000 L	1000 L	1000 L
	57K (70 CRI)		2,320	2,440	1,600	1,460		2000 L	2000 L	2000 L	1000 L
Q1/X1	30K (70 CRI)	13	1,970	2,070	1,350	1,240	10	2000 L	2000 L	1000 L	1000 L
	40K (70 CRI)		2,050	2,160	1,410	1,290		2000 L	2000 L	1000 L	1000 L
	50K (90 CRI)		1,400	1,470	960	880		1000 L	1000 L	1000 L	1000 L
	57K (70 CRI)		2,050	2,160	1,410	1,290		2000 L	2000 L	1000 L	1000 L

Field Adjustable Output (Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:

The Field Adjustable Output option enables the OSQ area luminaires to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected Q setting and will be fully adjustable between the nine settings. When ordered with the N option, the luminaire will include an ANSI C136.15-2020 utility label that indicates the wattage (rounded to nearest 10W), the lumen output (rounded to nearest 1000 lumens), and the CCT of the luminaire at the selected lumen output. Additional dimming functionality is available when a dimming control (by others) is used in the 7-Pin receptacle.

Locked Lumen Output (X8/X7/X6/X5/X4/X3/X2/X1) Option Description:

The Locked Lumen Output option on this page permanently locks the lumen output on the OSQ area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected and will only be able to be adjusted down in the field through a dimming control (by others). When ordered with the N option, the luminaire will include a utility label that indicates the wattage, lumen output, and CCT of the setting selected.

Q & X Option Power & Lumen Data – 6L Lumen Package

Q/X Option Setting	CCT/CRI	System Watts 120-480V	Lumen Values				Utility Label Wattage	Utility Label Lumens			
			Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS		Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS
Q9 (Full Power)	30K (70 CRI)	37	5,475	5,750	3,760	3,440	40	5000 L	6000 L	4000 L	3000 L
	40K (70 CRI)		5,700	6,000	3,920	3,590		6000 L	6000 L	4000 L	4000 L
	50K (90 CRI)		3,880	4,080	2,670	2,440		4000 L	4000 L	3000 L	2000 L
	57K (70 CRI)		5,700	6,000	3,920	3,590		6000 L	6000 L	4000 L	4000 L
Q8/X8	30K (70 CRI)	34	5,200	5,475	3,580	3,280	30	5000 L	5000 L	4000 L	3000 L
	40K (70 CRI)		5,450	5,725	3,740	3,430		5000 L	6000 L	4000 L	3000 L
	50K (90 CRI)		3,700	3,890	2,540	2,330		4000 L	4000 L	3000 L	2000 L
	57K (70 CRI)		5,450	5,725	3,740	3,430		5000 L	6000 L	4000 L	3000 L
Q7/X7	30K (70 CRI)	32	4,990	5,250	3,430	3,140	30	5000 L	5000 L	3000 L	3000 L
	40K (70 CRI)		5,200	5,475	3,580	3,280		5000 L	5000 L	4000 L	3000 L
	50K (90 CRI)		3,550	3,730	2,440	2,230		4000 L	4000 L	2000 L	2000 L
	57K (70 CRI)		5,200	5,475	3,580	3,280		5000 L	5000 L	4000 L	3000 L
Q6/X6	30K (70 CRI)	30	4,820	5,075	3,320	3,040	30	5000 L	5000 L	3000 L	3000 L
	40K (70 CRI)		5,050	5,300	3,470	3,170		5000 L	5000 L	3000 L	3000 L
	50K (90 CRI)		3,430	3,610	2,360	2,160		3000 L	4000 L	2000 L	2000 L
	57K (70 CRI)		5,050	5,300	3,470	3,170		5000 L	5000 L	3000 L	3000 L
Q5/X5	30K (70 CRI)	28	4,420	4,650	3,040	2,780	30	4000 L	5000 L	3000 L	3000 L
	40K (70 CRI)		4,610	4,850	3,170	2,900		5000 L	5000 L	3000 L	3000 L
	50K (90 CRI)		3,140	3,300	2,160	1,980		3000 L	3000 L	2000 L	2000 L
	57K (70 CRI)		4,610	4,850	3,170	2,900		5000 L	5000 L	3000 L	3000 L
Q4/X4	30K (70 CRI)	25	4,010	4,220	2,760	2,530	30	4000 L	4000 L	3000 L	3000 L
	40K (70 CRI)		4,180	4,400	2,880	2,640		4000 L	4000 L	3000 L	3000 L
	50K (90 CRI)		2,840	2,990	1,960	1,790		3000 L	3000 L	2000 L	2000 L
	57K (70 CRI)		4,180	4,400	2,880	2,640		4000 L	4000 L	3000 L	3000 L
Q3/X3	30K (70 CRI)	23	3,710	3,900	2,550	2,340	20	4000 L	4000 L	3000 L	2000 L
	40K (70 CRI)		3,870	4,070	2,660	2,440		4000 L	4000 L	3000 L	2000 L
	50K (90 CRI)		2,630	2,770	1,810	1,660		3000 L	3000 L	2000 L	2000 L
	57K (70 CRI)		3,870	4,070	2,660	2,440		4000 L	4000 L	3000 L	2000 L
Q2/X2	30K (70 CRI)	20	3,340	3,510	2,300	2,100	20	3000 L	4000 L	2000 L	2000 L
	40K (70 CRI)		3,480	3,660	2,390	2,190		3000 L	4000 L	2000 L	2000 L
	50K (90 CRI)		2,370	2,490	1,630	1,490		2000 L	2000 L	2000 L	1000 L
	57K (70 CRI)		3,480	3,660	2,390	2,190		3000 L	4000 L	2000 L	2000 L
Q1/X1	30K (70 CRI)	18	2,950	3,100	2,030	1,860	20	3000 L	3000 L	2000 L	2000 L
	40K (70 CRI)		3,070	3,230	2,110	1,930		3000 L	3000 L	2000 L	2000 L
	50K (90 CRI)		2,090	2,200	1,440	1,320		2000 L	2000 L	1000 L	1000 L
	57K (70 CRI)		3,070	3,230	2,110	1,930		3000 L	3000 L	2000 L	2000 L

Field Adjustable Output (Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:

The Field Adjustable Output option enables the OSQ area luminaires to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected Q setting and will be fully adjustable between the nine settings. When ordered with the N option, the luminaire will include an ANSI C136.15-2020 utility label that indicates the wattage (rounded to nearest 10W), the lumen output (rounded to nearest 1000 lumens), and the CCT of the luminaire at the selected lumen output. Additional dimming functionality is available when a dimming control (by others) is used in the 7-Pin receptacle.

Locked Lumen Output (X8/X7/X6/X5/X4/X3/X2/X1) Option Description:

The Locked Lumen Output option on this page permanently locks the lumen output on the OSQ area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected and will only be able to be adjusted down in the field through a dimming control (by others). When ordered with the N option, the luminaire will include a utility label that indicates the wattage, lumen output, and CCT of the setting selected.

Q & X Option Power & Lumen Data – 9L Lumen Package

Q/X Option Setting	CCT/CRI	System Watts 120-480V	Lumen Values				Utility Label Wattage	Utility Label Lumens			
			Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS		Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS
Q9 (Full Power)	30K (70 CRI)	55	8,225	8,650	5,650	5,175	60	8000 L	9000 L	6000 L	5000 L
	40K (70 CRI)		8,550	9,000	5,875	5,400		9000 L	9000 L	6000 L	5000 L
	50K (90 CRI)		5,825	6,125	4,000	3,670		6000 L	6000 L	4000 L	4000 L
	57K (70 CRI)		8,550	9,000	5,875	5,400		9000 L	9000 L	6000 L	5000 L
Q8/X8	30K (70 CRI)	53	7,850	8,250	5,400	4,940	50	8000 L	8000 L	5000 L	5000 L
	40K (70 CRI)		8,150	8,575	5,600	5,125		8000 L	9000 L	6000 L	5000 L
	50K (90 CRI)		5,550	5,850	3,830	3,500		6000 L	6000 L	4000 L	4000 L
	57K (70 CRI)		8,150	8,575	5,600	5,125		8000 L	9000 L	6000 L	5000 L
Q7/X7	30K (70 CRI)	50	7,500	7,900	5,175	4,730	50	8000 L	8000 L	5000 L	5000 L
	40K (70 CRI)		7,825	8,225	5,375	4,930		8000 L	8000 L	5000 L	5000 L
	50K (90 CRI)		5,325	5,600	3,660	3,350		5000 L	6000 L	4000 L	3000 L
	57K (70 CRI)		7,825	8,225	5,375	4,930		8000 L	8000 L	5000 L	5000 L
Q6/X6	30K (70 CRI)	48	7,275	7,650	5,000	4,580	50	7000 L	8000 L	5000 L	5000 L
	40K (70 CRI)		7,550	7,950	5,200	4,760		8000 L	8000 L	5000 L	5000 L
	50K (90 CRI)		5,150	5,425	3,550	3,250		5000 L	5000 L	4000 L	3000 L
	57K (70 CRI)		7,550	7,950	5,200	4,760		8000 L	8000 L	5000 L	5000 L
Q5/X5	30K (70 CRI)	43	6,650	7,000	4,580	4,190	40	7000 L	7000 L	5000 L	4000 L
	40K (70 CRI)		6,925	7,275	4,760	4,360		7000 L	7000 L	5000 L	4000 L
	50K (90 CRI)		4,710	4,950	3,240	2,960		5000 L	5000 L	3000 L	3000 L
	57K (70 CRI)		6,925	7,275	4,760	4,360		7000 L	7000 L	5000 L	4000 L
Q4/X4	30K (70 CRI)	40	6,025	6,350	4,150	3,800	40	6000 L	6000 L	4000 L	4000 L
	40K (70 CRI)		6,275	6,600	4,320	3,950		6000 L	7000 L	4000 L	4000 L
	50K (90 CRI)		4,280	4,500	2,940	2,700		4000 L	5000 L	3000 L	3000 L
	57K (70 CRI)		6,275	6,600	4,320	3,950		6000 L	7000 L	4000 L	4000 L
Q3/X3	30K (70 CRI)	36	5,575	5,875	3,840	3,520	40	6000 L	6000 L	4000 L	4000 L
	40K (70 CRI)		5,800	6,100	3,990	3,650		6000 L	6000 L	4000 L	4000 L
	50K (90 CRI)		3,940	4,150	2,710	2,490		4000 L	4000 L	3000 L	2000 L
	57K (70 CRI)		5,800	6,100	3,990	3,650		6000 L	6000 L	4000 L	4000 L
Q2/X2*	30K (70 CRI)	32	5,025	5,275	3,450	3,160	30	5000 L	5000 L	3000 L	3000 L
	40K (70 CRI)		5,225	5,500	3,600	3,290		5000 L	6000 L	4000 L	3000 L
	50K (90 CRI)		3,560	3,740	2,450	2,240		4000 L	4000 L	2000 L	2000 L
	57K (70 CRI)		5,225	5,500	3,600	3,290		5000 L	6000 L	4000 L	3000 L
Q1/X1*	30K (70 CRI)	29	4,430	4,660	3,050	2,790	30	4000 L	5000 L	3000 L	3000 L
	40K (70 CRI)		4,610	4,850	3,170	2,900		5000 L	5000 L	3000 L	3000 L
	50K (90 CRI)		3,140	3,300	2,160	1,980		3000 L	3000 L	2000 L	2000 L
	57K (70 CRI)		4,610	4,850	3,170	2,900		5000 L	5000 L	3000 L	3000 L

* X2 and X1 options not available with 9L lumen package with UL voltage.

Field Adjustable Output (Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:

The Field Adjustable Output option enables the OSQ area luminaires to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected Q setting and will be fully adjustable between the nine settings. When ordered with the N option, the luminaire will include an ANSI C136.15-2020 utility label that indicates the wattage (rounded to nearest 10W), the lumen output (rounded to nearest 1000 lumens), and the CCT of the luminaire at the selected lumen output. Additional dimming functionality is available when a dimming control (by others) is used in the 7-Pin receptacle.

Locked Lumen Output (X8/X7/X6/X5/X4/X3/X2/X1) Option Description:

The Locked Lumen Output option on this page permanently locks the lumen output on the OSQ area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected and will only be able to be adjusted down in the field through a dimming control (by others). When ordered with the N option, the luminaire will include a utility label that indicates the wattage, lumen output, and CCT of the setting selected.

Q & X Option Power & Lumen Data – 11L Lumen Package

Q/X Option Setting	CCT/CRI	System Watts 120-480V	Lumen Values				Utility Label Wattage	Utility Label Lumens			
			Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS		Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS
Q9 (Full Power)	30K (70 CRI)	68	10,025	10,550	6,900	6,325	70	10000 L	11000 L	7000 L	6000 L
	40K (70 CRI)		10,450	11,000	7,200	6,600		10000 L	11000 L	7000 L	7000 L
	50K (90 CRI)		7,100	7,475	4,890	4,480		7000 L	7000 L	5000 L	4000 L
	57K (70 CRI)		10,450	11,000	7,200	6,600		10000 L	11000 L	7000 L	7000 L
Q8/X8	30K (70 CRI)	65	9,575	10,075	6,600	6,025	70	10000 L	10000 L	7000 L	6000 L
	40K (70 CRI)		9,975	10,500	6,875	6,300		10000 L	11000 L	7000 L	6000 L
	50K (90 CRI)		6,775	7,125	4,660	4,270		7000 L	7000 L	5000 L	4000 L
	57K (70 CRI)		9,975	10,500	6,875	6,300		10000 L	11000 L	7000 L	6000 L
Q7/X7	30K (70 CRI)	62	9,175	9,650	6,300	5,775	60	9000 L	10000 L	6000 L	6000 L
	40K (70 CRI)		9,550	10,050	6,575	6,025		10000 L	10000 L	7000 L	6000 L
	50K (90 CRI)		6,500	6,825	4,460	4,090		7000 L	7000 L	4000 L	4000 L
	57K (70 CRI)		9,550	10,050	6,575	6,025		10000 L	10000 L	7000 L	6000 L
Q6/X6	30K (70 CRI)	59	8,875	9,325	6,100	5,575	60	9000 L	9000 L	6000 L	6000 L
	40K (70 CRI)		9,250	9,725	6,350	5,825		9000 L	10000 L	6000 L	6000 L
	50K (90 CRI)		6,275	6,600	4,320	3,950		6000 L	7000 L	4000 L	4000 L
	57K (70 CRI)		9,250	9,725	6,350	5,825		9000 L	10000 L	6000 L	6000 L
Q5/X5	30K (70 CRI)	53	8,100	8,525	5,575	5,100	50	8000 L	9000 L	6000 L	5000 L
	40K (70 CRI)		8,450	8,900	5,825	5,325		8000 L	9000 L	6000 L	5000 L
	50K (90 CRI)		5,750	6,050	3,960	3,620		6000 L	6000 L	4000 L	4000 L
	57K (70 CRI)		8,450	8,900	5,825	5,325		8000 L	9000 L	6000 L	5000 L
Q4/X4	30K (70 CRI)	49	7,375	7,750	5,075	4,640	50	7000 L	8000 L	5000 L	5000 L
	40K (70 CRI)		7,675	8,075	5,275	4,840		8000 L	8000 L	5000 L	5000 L
	50K (90 CRI)		5,200	5,475	3,580	3,280		5000 L	5000 L	4000 L	3000 L
	57K (70 CRI)		7,675	8,075	5,275	4,840		8000 L	8000 L	5000 L	5000 L
Q3/X3	30K (70 CRI)	44	6,800	7,150	4,680	4,280	40	7000 L	7000 L	5000 L	4000 L
	40K (70 CRI)		7,075	7,450	4,870	4,460		7000 L	7000 L	5000 L	4000 L
	50K (90 CRI)		4,820	5,075	3,320	3,040		5000 L	5000 L	3000 L	3000 L
	57K (70 CRI)		7,075	7,450	4,870	4,460		7000 L	7000 L	5000 L	4000 L
Q2/X2	30K (70 CRI)	39	6,100	6,425	4,200	3,850	40	6000 L	6000 L	4000 L	4000 L
	40K (70 CRI)		6,375	6,700	4,380	4,010		6000 L	7000 L	4000 L	4000 L
	50K (90 CRI)		4,330	4,560	2,980	2,730		4000 L	5000 L	3000 L	3000 L
	57K (70 CRI)		6,375	6,700	4,380	4,010		6000 L	7000 L	4000 L	4000 L
Q1/X1	30K (70 CRI)	35	5,400	5,675	3,710	3,400	40	5000 L	6000 L	4000 L	3000 L
	40K (70 CRI)		5,625	5,925	3,870	3,550		6000 L	6000 L	4000 L	4000 L
	50K (90 CRI)		3,830	4,030	2,640	2,410		4000 L	4000 L	3000 L	2000 L
	57K (70 CRI)		5,625	5,925	3,870	3,550		6000 L	6000 L	4000 L	4000 L

Field Adjustable Output (Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:

The Field Adjustable Output option enables the OSQ area luminaires to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected Q setting and will be fully adjustable between the nine settings. When ordered with the N option, the luminaire will include an ANSI C136.15-2020 utility label that indicates the wattage (rounded to nearest 10W), the lumen output (rounded to nearest 1000 lumens), and the CCT of the luminaire at the selected lumen output. Additional dimming functionality is available when a dimming control (by others) is used in the 7-Pin receptacle.

Locked Lumen Output (X8/X7/X6/X5/X4/X3/X2/X1) Option Description:

The Locked Lumen Output option on this page permanently locks the lumen output on the OSQ area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected and will only be able to be adjusted down in the field through a dimming control (by others). When ordered with the N option, the luminaire will include a utility label that indicates the wattage, lumen output, and CCT of the setting selected.

Q & X Option Power & Lumen Data – 16L Lumen Package

Q/X Option Setting	CCT/CRI	System Watts 120-480V	Lumen Values				Utility Label Wattage	Utility Label Lumens			
			Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS		Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS
Q9 (Full Power)	30K (70 CRI)	97	14,650	15,400	10,075	9,225	100	15000 L	15000 L	10000 L	9000 L
	40K (70 CRI)		15,200	16,000	10,450	9,575		15000 L	16000 L	10000 L	10000 L
	50K (90 CRI)		10,325	10,875	7,100	6,525		10000 L	11000 L	7000 L	7000 L
	57K (70 CRI)		15,200	16,000	10,450	9,575		15000 L	16000 L	10000 L	10000 L
Q8/X8	30K (70 CRI)	93	13,975	14,700	9,600	8,800	90	14000 L	15000 L	10000 L	9000 L
	40K (70 CRI)		14,550	15,300	10,000	9,175		15000 L	15000 L	10000 L	9000 L
	50K (90 CRI)		9,850	10,375	6,775	6,225		10000 L	10000 L	7000 L	6000 L
	57K (70 CRI)		14,550	15,300	10,000	9,175		15000 L	15000 L	10000 L	9000 L
Q7/X7	30K (70 CRI)	87	13,375	14,075	9,200	8,425	90	13000 L	14000 L	9000 L	8000 L
	40K (70 CRI)		13,900	14,625	9,575	8,750		14000 L	15000 L	10000 L	9000 L
	50K (90 CRI)		9,450	9,950	6,500	5,950		9000 L	10000 L	7000 L	6000 L
	57K (70 CRI)		13,900	14,625	9,575	8,750		14000 L	15000 L	10000 L	9000 L
Q6/X6	30K (70 CRI)	84	12,950	13,625	8,900	8,150	80	13000 L	14000 L	9000 L	8000 L
	40K (70 CRI)		13,450	14,150	9,250	8,475		13000 L	14000 L	9000 L	8000 L
	50K (90 CRI)		9,150	9,625	6,300	5,775		9000 L	10000 L	6000 L	6000 L
	57K (70 CRI)		13,450	14,150	9,250	8,475		13000 L	14000 L	9000 L	8000 L
Q5/X5	30K (70 CRI)	76	11,825	12,450	8,150	7,450	80	12000 L	12000 L	8000 L	7000 L
	40K (70 CRI)		12,275	12,925	8,450	7,750		12000 L	13000 L	8000 L	8000 L
	50K (90 CRI)		8,350	8,775	5,750	5,250		8000 L	9000 L	6000 L	5000 L
	57K (70 CRI)		12,275	12,925	8,450	7,750		12000 L	13000 L	8000 L	8000 L
Q4/X4	30K (70 CRI)	70	10,750	11,300	7,400	6,775	70	11000 L	11000 L	7000 L	7000 L
	40K (70 CRI)		11,175	11,750	7,675	7,025		11000 L	12000 L	8000 L	7000 L
	50K (90 CRI)		7,575	7,975	5,225	4,780		8000 L	8000 L	5000 L	5000 L
	57K (70 CRI)		11,175	11,750	7,675	7,025		11000 L	12000 L	8000 L	7000 L
Q3/X3	30K (70 CRI)	62	9,925	10,450	6,825	6,250	60	10000 L	10000 L	7000 L	6000 L
	40K (70 CRI)		10,325	10,850	7,100	6,500		10000 L	11000 L	7000 L	7000 L
	50K (90 CRI)		7,000	7,375	4,820	4,420		7000 L	7000 L	5000 L	4000 L
	57K (70 CRI)		10,325	10,850	7,100	6,500		10000 L	11000 L	7000 L	7000 L
Q2/X2	30K (70 CRI)	55	8,925	9,400	6,150	5,625	60	9000 L	9000 L	6000 L	6000 L
	40K (70 CRI)		9,275	9,750	6,375	5,850		9000 L	10000 L	6000 L	6000 L
	50K (90 CRI)		6,300	6,625	4,330	3,970		6000 L	7000 L	4000 L	4000 L
	57K (70 CRI)		9,275	9,750	6,375	5,850		9000 L	10000 L	6000 L	6000 L
Q1*	30K (70 CRI)	50	7,900	8,300	5,425	4,970	50	8000 L	8000 L	5000 L	5000 L
	40K (70 CRI)		8,200	8,625	5,650	5,175		8000 L	9000 L	6000 L	5000 L
	50K (90 CRI)		5,550	5,850	3,830	3,500		6000 L	6000 L	4000 L	4000 L
	57K (70 CRI)		8,200	8,625	5,650	5,175		8000 L	9000 L	6000 L	5000 L

* X1 option not available with 16L lumen package.

Field Adjustable Output (Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:

The Field Adjustable Output option enables the OSQ area luminaires to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected Q setting and will be fully adjustable between the nine settings. When ordered with the N option, the luminaire will include an ANSI C136.15-2020 utility label that indicates the wattage (rounded to nearest 10W), the lumen output (rounded to nearest 1000 lumens), and the CCT of the luminaire at the selected lumen output. Additional dimming functionality is available when a dimming control (by others) is used in the 7-Pin receptacle.

Locked Lumen Output (X8/X7/X6/X5/X4/X3/X2/X1) Option Description:

The Locked Lumen Output option on this page permanently locks the lumen output on the OSQ area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected and will only be able to be adjusted down in the field through a dimming control (by others). When ordered with the N option, the luminaire will include a utility label that indicates the wattage, lumen output, and CCT of the setting selected.

Q & X Option Power & Lumen Data – 22L Lumen Package

Q/X Option Setting	CCT/CRI	System Watts 120-480V	Lumen Values				Utility Label Wattage	Utility Label Lumens			
			Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS		Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS
Q9 (Full Power)	30K (70 CRI)	131	20,100	21,100	13,800	12,625	130	20000 L	21000 L	14000 L	13000 L
	40K (70 CRI)		20,900	22,000	14,375	13,175		21000 L	22000 L	14000 L	13000 L
	50K (90 CRI)		14,200	14,950	9,775	8,950		14000 L	15000 L	10000 L	9000 L
	57K (70 CRI)		20,900	22,000	14,375	13,175		21000 L	22000 L	14000 L	13000 L
Q8/X8	30K (70 CRI)	126	19,100	20,100	13,150	12,050	130	19000 L	20000 L	13000 L	12000 L
	40K (70 CRI)		20,000	21,000	13,725	12,575		20000 L	21000 L	14000 L	13000 L
	50K (90 CRI)		13,550	14,250	9,325	8,525		14000 L	14000 L	9000 L	9000 L
	57K (70 CRI)		20,000	21,000	13,725	12,575		20000 L	21000 L	14000 L	13000 L
Q7/X7	30K (70 CRI)	119	18,300	19,300	12,625	11,550	120	18000 L	19000 L	13000 L	12000 L
	40K (70 CRI)		19,100	20,100	13,150	12,050		19000 L	20000 L	13000 L	12000 L
	50K (90 CRI)		13,000	13,675	8,950	8,200		13000 L	14000 L	9000 L	8000 L
	57K (70 CRI)		19,100	20,100	13,150	12,050		19000 L	20000 L	13000 L	12000 L
Q6/X6	30K (70 CRI)	114	17,800	18,700	12,225	11,200	110	18000 L	19000 L	12000 L	11000 L
	40K (70 CRI)		18,400	19,400	12,675	11,625		18000 L	19000 L	13000 L	12000 L
	50K (90 CRI)		12,575	13,225	8,650	7,925		13000 L	13000 L	9000 L	8000 L
	57K (70 CRI)		18,400	19,400	12,675	11,625		18000 L	19000 L	13000 L	12000 L
Q5/X5	30K (70 CRI)	103	16,200	17,000	11,125	10,175	100	16000 L	17000 L	11000 L	10000 L
	40K (70 CRI)		16,900	17,800	11,650	10,650		17000 L	18000 L	12000 L	11000 L
	50K (90 CRI)		11,475	12,075	7,900	7,225		11000 L	12000 L	8000 L	7000 L
	57K (70 CRI)		16,900	17,800	11,650	10,650		17000 L	18000 L	12000 L	11000 L
Q4/X4	30K (70 CRI)	95	14,725	15,500	10,125	9,275	100	15000 L	16000 L	10000 L	9000 L
	40K (70 CRI)		15,300	16,100	10,525	9,650		15000 L	16000 L	11000 L	10000 L
	50K (90 CRI)		10,425	10,975	7,175	6,575		10000 L	11000 L	7000 L	7000 L
	57K (70 CRI)		15,300	16,100	10,525	9,650		15000 L	16000 L	11000 L	10000 L
Q3/X3	30K (70 CRI)	84	13,600	14,300	9,350	8,575	80	14000 L	14000 L	9000 L	9000 L
	40K (70 CRI)		14,175	14,925	9,750	8,950		14000 L	15000 L	10000 L	9000 L
	50K (90 CRI)		9,625	10,125	6,625	6,075		10000 L	10000 L	7000 L	6000 L
	57K (70 CRI)		14,175	14,925	9,750	8,950		14000 L	15000 L	10000 L	9000 L
Q2/X2	30K (70 CRI)	75	12,250	12,875	8,425	7,700	80	12000 L	13000 L	8000 L	8000 L
	40K (70 CRI)		12,750	13,425	8,775	8,050		13000 L	13000 L	9000 L	8000 L
	50K (90 CRI)		8,675	9,125	5,975	5,475		9000 L	9000 L	6000 L	5000 L
	57K (70 CRI)		12,750	13,425	8,775	8,050		13000 L	13000 L	9000 L	8000 L
Q1/X1	30K (70 CRI)	68	10,825	11,375	7,450	6,825	70	11000 L	11000 L	7000 L	7000 L
	40K (70 CRI)		11,275	11,850	7,750	7,100		11000 L	12000 L	8000 L	7000 L
	50K (90 CRI)		7,650	8,050	5,275	4,820		8000 L	8000 L	5000 L	5000 L
	57K (70 CRI)		11,275	11,850	7,750	7,100		11000 L	12000 L	8000 L	7000 L

Field Adjustable Output (Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:

The Field Adjustable Output option enables the OSQ area luminaires to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected Q setting and will be fully adjustable between the nine settings. When ordered with the N option, the luminaire will include an ANSI C136.15-2020 utility label that indicates the wattage (rounded to nearest 10W), the lumen output (<= 24,000 lumens rounded to nearest 1000 lumens, > 24,001 lumens rounded to the nearest 2000 lumens), and the CCT of the luminaire at the selected lumen output. Additional dimming functionality is available when a dimming control (by others) is used in the 7-Pin receptacle.

Locked Lumen Output (X8/X7/X6/X5/X4/X3/X2/X1) Option Description:

The Locked Lumen Output option on this page permanently locks the lumen output on the OSQ area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected and will only be able to be adjusted down in the field through a dimming control (by others). When ordered with the N option, the luminaire will include a utility label that indicates the wattage, lumen output, and CCT of the setting selected.

Q & X Option Power & Lumen Data – 30L Lumen Package

Q/X Option Setting	CCT/CRI	System Watts 120-480V	Lumen Values				Utility Label Wattage	Utility Label Lumens			
			Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS		Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS
Q9 (Full Power)	30K (70 CRI)	175	27,400	28,800	18,800	17,200	130	28000 L	28000 L	19000 L	17000 L
	40K (70 CRI)		28,500	30,000	19,600	18,000		28000 L	30000 L	20000 L	18000 L
	50K (90 CRI)		19,400	20,400	13,350	12,225		19000 L	20000 L	13000 L	12000 L
	57K (70 CRI)		28,500	30,000	19,600	18,000		28000 L	30000 L	20000 L	18000 L
Q8/X8	30K (70 CRI)	168	26,100	27,500	18,000	16,500	170	26000 L	28000 L	18000 L	17000 L
	40K (70 CRI)		27,200	28,600	18,700	17,100		28000 L	28000 L	19000 L	17000 L
	50K (90 CRI)		18,500	19,500	12,750	11,675		19000 L	20000 L	13000 L	12000 L
	57K (70 CRI)		27,200	28,600	18,700	17,100		28000 L	28000 L	19000 L	17000 L
Q7/X7	30K (70 CRI)	158	25,000	26,300	17,200	15,800	160	26000 L	26000 L	17000 L	16000 L
	40K (70 CRI)		26,000	27,400	17,900	16,400		26000 L	28000 L	18000 L	16000 L
	50K (90 CRI)		17,700	18,600	12,150	11,150		18000 L	19000 L	12000 L	11000 L
	57K (70 CRI)		26,000	27,400	17,900	16,400		26000 L	28000 L	18000 L	16000 L
Q6/X6	30K (70 CRI)	152	24,200	25,500	16,700	15,300	150	24000 L	26000 L	17000 L	15000 L
	40K (70 CRI)		25,200	26,500	17,300	15,900		26000 L	26000 L	17000 L	16000 L
	50K (90 CRI)		17,100	18,000	11,775	10,775		17000 L	18000 L	12000 L	11000 L
	57K (70 CRI)		25,200	26,500	17,300	15,900		26000 L	26000 L	17000 L	16000 L
Q5/X5	30K (70 CRI)	137	22,100	23,300	15,200	13,950	140	22000 L	23000 L	15000 L	14000 L
	40K (70 CRI)		23,000	24,200	15,800	14,500		23000 L	24000 L	16000 L	15000 L
	50K (90 CRI)		15,700	16,500	10,800	9,875		16000 L	17000 L	11000 L	10000 L
	57K (70 CRI)		23,000	24,200	15,800	14,500		23000 L	24000 L	16000 L	15000 L
Q4/X4	30K (70 CRI)	126	20,100	21,100	13,800	12,625	130	20000 L	21000 L	14000 L	13000 L
	40K (70 CRI)		20,900	22,000	14,375	13,175		21000 L	22000 L	14000 L	13000 L
	50K (90 CRI)		14,225	14,975	9,800	8,975		14000 L	15000 L	10000 L	9000 L
	57K (70 CRI)		20,900	22,000	14,375	13,175		21000 L	22000 L	14000 L	13000 L
Q3/X3	30K (70 CRI)	113	18,500	19,500	12,750	11,675	110	19000 L	20000 L	13000 L	12000 L
	40K (70 CRI)		19,300	20,300	13,275	12,150		19000 L	20000 L	13000 L	12000 L
	50K (90 CRI)		13,150	13,825	9,050	8,275		13000 L	14000 L	9000 L	8000 L
	57K (70 CRI)		19,300	20,300	13,275	12,150		19000 L	20000 L	13000 L	12000 L
Q2/X2	30K (70 CRI)	100	16,700	17,600	11,500	10,550	100	17000 L	18000 L	12000 L	11000 L
	40K (70 CRI)		17,400	18,300	11,975	10,950		17000 L	18000 L	12000 L	11000 L
	50K (90 CRI)		11,825	12,450	8,150	7,450		12000 L	12000 L	8000 L	7000 L
	57K (70 CRI)		17,400	18,300	11,975	10,950		17000 L	18000 L	12000 L	11000 L
Q1*	30K (70 CRI)	90	14,725	15,500	10,125	9,275	90	15000 L	16000 L	10000 L	9000 L
	40K (70 CRI)		15,400	16,200	10,600	9,700		15000 L	16000 L	11000 L	10000 L
	50K (90 CRI)		10,450	11,000	7,200	6,600		10000 L	11000 L	7000 L	7000 L
	57K (70 CRI)		15,400	16,200	10,600	9,700		15000 L	16000 L	11000 L	10000 L

* X1 option not available with 30L lumen package.

Field Adjustable Output (Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:

The Field Adjustable Output option enables the OSQ area luminaires to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected Q setting and will be fully adjustable between the nine settings. When ordered with the N option, the luminaire will include an ANSI C136.15-2020 utility label that indicates the wattage (rounded to nearest 10W), the lumen output (<= 24,000 lumens rounded to nearest 1000 lumens, > 24,001 lumens rounded to the nearest 2000 lumens), and the CCT of the luminaire at the selected lumen output. Additional dimming functionality is available when a dimming control (by others) is used in the 7-Pin receptacle.

Locked Lumen Output (X8/X7/X6/X5/X4/X3/X2/X1) Option Description:

The Locked Lumen Output option on this page permanently locks the lumen output on the OSQ area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected and will only be able to be adjusted down in the field through a dimming control (by others). When ordered with the N option, the luminaire will include a utility label that indicates the wattage, lumen output, and CCT of the setting selected.

Q & X Option Power & Lumen Data – 40L Lumen Package

Q/X Option Setting	CCT/CRI	System Watts 120-480V	Lumen Values				Utility Label Wattage	Utility Label Lumens			
			Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS		Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS
Q9 (Full Power)	30K (70 CRI)	236	36,500	38,400	25,100	23,000	130	36000 L	38000 L	26000 L	23000 L
	40K (70 CRI)		38,000	40,000	26,200	24,000		38000 L	40000 L	26000 L	24000 L
	50K (90 CRI)		25,900	27,200	17,800	16,300		26000 L	28000 L	18000 L	16000 L
	57K (70 CRI)		38,000	40,000	26,200	24,000		38000 L	40000 L	26000 L	24000 L
Q8/X8	30K (70 CRI)	212	34,800	36,600	23,900	21,900	210	34000 L	36000 L	24000 L	22000 L
	40K (70 CRI)		36,300	38,200	25,000	22,900		36000 L	38000 L	26000 L	23000 L
	50K (90 CRI)		24,600	25,900	16,900	15,500		24000 L	26000 L	17000 L	16000 L
	57K (70 CRI)		36,300	38,200	25,000	22,900		36000 L	38000 L	26000 L	23000 L
Q7/X7	30K (70 CRI)	203	33,400	35,100	23,000	21,000	200	34000 L	36000 L	23000 L	21000 L
	40K (70 CRI)		34,800	36,600	23,900	21,900		34000 L	36000 L	24000 L	22000 L
	50K (90 CRI)		23,700	24,900	16,300	14,925		24000 L	24000 L	16000 L	15000 L
	57K (70 CRI)		34,800	36,600	23,900	21,900		34000 L	36000 L	24000 L	22000 L
Q6/X6	30K (70 CRI)	195	32,200	33,900	22,200	20,300	200	32000 L	34000 L	22000 L	20000 L
	40K (70 CRI)		33,600	35,400	23,100	21,200		34000 L	36000 L	23000 L	21000 L
	50K (90 CRI)		22,800	24,000	15,700	14,375		23000 L	24000 L	16000 L	14000 L
	57K (70 CRI)		33,600	35,400	23,100	21,200		34000 L	36000 L	23000 L	21000 L
Q5/X5	30K (70 CRI)	176	29,500	31,000	20,300	18,600	180	30000 L	32000 L	20000 L	19000 L
	40K (70 CRI)		30,700	32,300	21,100	19,300		30000 L	32000 L	21000 L	19000 L
	50K (90 CRI)		20,900	22,000	14,375	13,175		21000 L	22000 L	14000 L	13000 L
	57K (70 CRI)		30,700	32,300	21,100	19,300		30000 L	32000 L	21000 L	19000 L
Q4/X4	30K (70 CRI)	160	26,800	28,200	18,400	16,900	160	26000 L	28000 L	18000 L	17000 L
	40K (70 CRI)		27,900	29,400	19,200	17,600		28000 L	30000 L	19000 L	18000 L
	50K (90 CRI)		19,000	20,000	13,075	11,975		19000 L	20000 L	13000 L	12000 L
	57K (70 CRI)		27,900	29,400	19,200	17,600		28000 L	30000 L	19000 L	18000 L
Q3/X3	30K (70 CRI)	144	24,700	26,000	17,000	15,600	140	24000 L	26000 L	17000 L	16000 L
	40K (70 CRI)		25,800	27,100	17,700	16,200		26000 L	28000 L	18000 L	16000 L
	50K (90 CRI)		17,500	18,400	12,025	11,025		18000 L	18000 L	12000 L	11000 L
	57K (70 CRI)		25,800	27,100	17,700	16,200		26000 L	28000 L	18000 L	16000 L
Q2/X2	30K (70 CRI)	129	22,200	23,400	15,300	14,025	130	22000 L	23000 L	15000 L	14000 L
	40K (70 CRI)		23,200	24,400	16,000	14,625		23000 L	24000 L	16000 L	15000 L
	50K (90 CRI)		15,800	16,600	10,850	9,950		16000 L	17000 L	11000 L	10000 L
	57K (70 CRI)		23,200	24,400	16,000	14,625		23000 L	24000 L	16000 L	15000 L
Q1/X1	30K (70 CRI)	111	19,700	20,700	13,525	12,400	110	20000 L	21000 L	14000 L	12000 L
	40K (70 CRI)		20,500	21,600	14,125	12,925		21000 L	22000 L	14000 L	13000 L
	50K (90 CRI)		13,925	14,650	9,575	8,775		14000 L	15000 L	10000 L	9000 L
	57K (70 CRI)		20,500	21,600	14,125	12,925		21000 L	22000 L	14000 L	13000 L

Field Adjustable Output (Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:

The Field Adjustable Output option enables the OSQ area luminaires to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected Q setting and will be fully adjustable between the nine settings.

Locked Lumen Output (X8/X7/X6/X5/X4/X3/X2/X1) Option Description:

The Locked Lumen Output option on this page permanently locks the lumen output on the OSQ area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected and will only be able to be adjusted down in the field through a dimming control [by others].

Q & X Option Power & Lumen Data – 50L Lumen Package

Q/X Option Setting	CCT/CRI	System Watts 120-480V	Lumen Values			
			Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS
Q9 (Full Power)	30K (70 CRI)	297	45,600	48,000	31,400	28,700
	40K (70 CRI)		47,500	50,000	32,700	29,900
	50K (90 CRI)		32,300	34,000	22,200	20,400
	57K (70 CRI)		47,500	50,000	32,700	29,900
Q8/X8	30K (70 CRI)	285	43,500	45,800	29,900	27,400
	40K (70 CRI)		45,300	47,700	31,200	28,600
	50K (90 CRI)		30,800	32,400	21,200	19,400
	57K (70 CRI)		45,300	47,700	31,200	28,600
Q7/X7	30K (70 CRI)	269	41,700	43,900	28,700	26,300
	40K (70 CRI)		43,400	45,700	29,900	27,400
	50K (90 CRI)		29,600	31,100	20,300	18,600
	57K (70 CRI)		43,400	45,700	29,900	27,400
Q6/X6	30K (70 CRI)	258	40,300	42,400	27,700	25,400
	40K (70 CRI)		42,000	44,200	28,900	26,500
	50K (90 CRI)		28,600	30,100	19,700	18,000
	57K (70 CRI)		42,000	44,200	28,900	26,500
Q5/X5	30K (70 CRI)	233	36,900	38,800	25,400	23,200
	40K (70 CRI)		38,400	40,400	26,400	24,200
	50K (90 CRI)		26,100	27,500	18,000	16,500
	57K (70 CRI)		38,400	40,400	26,400	24,200
Q4/X4	30K (70 CRI)	215	33,500	35,200	23,000	21,100
	40K (70 CRI)		34,900	36,700	24,000	22,000
	50K (90 CRI)		23,800	25,000	16,300	14,975
	57K (70 CRI)		34,900	36,700	24,000	22,000
Q3/X3	30K (70 CRI)	191	30,900	32,500	21,300	19,500
	40K (70 CRI)		32,200	33,900	22,200	20,300
	50K (90 CRI)		22,000	23,100	15,100	13,825
	57K (70 CRI)		32,200	33,900	22,200	20,300
Q2/X2	30K (70 CRI)	170	27,900	29,300	19,200	17,500
	40K (70 CRI)		29,000	30,500	19,900	18,300
	50K (90 CRI)		19,700	20,700	13,525	12,400
	57K (70 CRI)		29,000	30,500	19,900	18,300
Q1/X1	30K (70 CRI)	153	24,600	25,900	16,900	15,500
	40K (70 CRI)		25,700	27,000	17,700	16,200
	50K (90 CRI)		17,400	18,300	11,975	10,950
	57K (70 CRI)		25,700	27,000	17,700	16,200

Field Adjustable Output (Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:

The Field Adjustable Output option enables the OSQ area luminaires to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected Q setting and will be fully adjustable between the nine settings.

Locked Lumen Output (X8/X7/X6/X5/X4/X3/X2/X1) Option Description:

The Locked Lumen Output option on this page permanently locks the lumen output on the OSQ area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected and will only be able to be adjusted down in the field through a dimming control [by others].

Q & X Option Power & Lumen Data – 65L Lumen Package

Q/X Option Setting	CCT/CRI	System Watts 120-480V	Lumen Values			
			Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS
Q9 (Full Power)	30K (70 CRI)	384	59,300	62,400	40,800	37,400
	40K (70 CRI)		61,800	65,000	42,500	38,900
	50K (90 CRI)		42,000	44,200	28,900	26,500
	57K (70 CRI)		61,800	65,000	42,500	38,900
Q8/X8	30K (70 CRI)	365	56,600	59,500	38,900	35,600
	40K (70 CRI)		58,900	62,000	40,500	37,100
	50K (90 CRI)		40,100	42,200	27,600	25,300
	57K (70 CRI)		58,900	62,000	40,500	37,100
Q7/X7	30K (70 CRI)	347	54,200	57,000	37,300	34,100
	40K (70 CRI)		56,500	59,400	38,800	35,600
	50K (90 CRI)		38,400	40,400	26,400	24,200
	57K (70 CRI)		56,500	59,400	38,800	35,600
Q6/X6	30K (70 CRI)	332	52,500	55,200	36,100	33,100
	40K (70 CRI)		54,700	57,500	37,600	34,400
	50K (90 CRI)		37,200	39,100	25,600	23,400
	57K (70 CRI)		54,700	57,500	37,600	34,400
Q5/X5	30K (70 CRI)	301	47,900	50,400	33,000	30,200
	40K (70 CRI)		49,900	52,500	34,300	31,400
	50K (90 CRI)		33,900	35,700	23,300	21,400
	57K (70 CRI)		49,900	52,500	34,300	31,400
Q4/X4	30K (70 CRI)	276	43,500	45,800	29,900	27,400
	40K (70 CRI)		45,300	47,700	31,200	28,600
	50K (90 CRI)		30,800	32,400	21,200	19,400
	57K (70 CRI)		45,300	47,700	31,200	28,600
Q3/X3	30K (70 CRI)	247	40,200	42,300	27,700	25,300
	40K (70 CRI)		41,900	44,100	28,800	26,400
	50K (90 CRI)		28,500	30,000	19,600	18,000
	57K (70 CRI)		41,900	44,100	28,800	26,400
Q2/X2	30K (70 CRI)	220	36,200	38,100	24,900	22,800
	40K (70 CRI)		37,700	39,700	26,000	23,800
	50K (90 CRI)		25,700	27,000	17,700	16,200
	57K (70 CRI)		37,700	39,700	26,000	23,800
Q1*	30K (70 CRI)	195	31,900	33,600	22,000	20,100
	40K (70 CRI)		33,300	35,000	22,900	21,000
	50K (90 CRI)		22,600	23,800	15,600	14,250
	57K (70 CRI)		33,300	35,000	22,900	21,000

* X1 option not available with 65L lumen package.

Field Adjustable Output (Q9/Q8/Q7/Q6/Q5/Q4/Q3/Q2/Q1) Option Description:

The Field Adjustable Output option enables the OSQ area luminaires to be tuned to the exact needs of a particular application through multiple levels of adjustment. When ordered with the Q option, the luminaire will be shipped from the factory at the selected Q setting and will be fully adjustable between the nine settings.

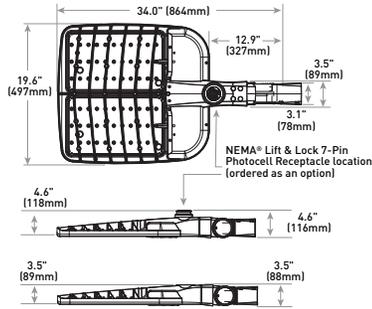
Locked Lumen Output (X8/X7/X6/X5/X4/X3/X2/X1) Option Description:

The Locked Lumen Output option on this page permanently locks the lumen output on the OSQ area luminaire to the setting selected. When ordered with the X option, the luminaire will be shipped from the factory at the lumen output setting selected and will only be able to be adjusted down in the field through a dimming control [by others].

Q & X Option Power & Lumen Data – 75L Lumen Package

Q/X Option Setting	CCT/CRI	System Watts 120-480V	Lumen Values			
			Asymmetric	Symmetric	2M, 3M, AF w/BLS	4M w/BLS
Q9 (Full Power)	30K (70 CRI)	447	68,400	72,000	47,100	43,100
	40K (70 CRI)		71,300	75,000	49,000	44,900
	50K (90 CRI)		48,500	51,000	33,300	30,500
	57K (70 CRI)		71,300	75,000	49,000	44,900
Q8/X8	30K (70 CRI)	426	65,300	68,700	44,900	41,100
	40K (70 CRI)		68,100	71,600	46,800	42,900
	50K (90 CRI)		46,300	48,700	31,800	29,200
	57K (70 CRI)		68,100	71,600	46,800	42,900
Q7/X7	30K (70 CRI)	404	62,500	65,800	43,000	39,400
	40K (70 CRI)		65,200	68,600	44,900	41,100
	50K (90 CRI)		44,300	46,600	30,500	27,900
	57K (70 CRI)		65,200	68,600	44,900	41,100
Q6/X6	30K (70 CRI)	387	60,500	63,600	41,600	38,100
	40K (70 CRI)		63,000	66,300	43,400	39,700
	50K (90 CRI)		42,900	45,100	29,500	27,000
	57K (70 CRI)		63,000	66,300	43,400	39,700
Q5/X5	30K (70 CRI)	350	55,300	58,200	38,100	34,900
	40K (70 CRI)		57,600	60,600	39,600	36,300
	50K (90 CRI)		39,200	41,200	26,900	24,700
	57K (70 CRI)		57,600	60,600	39,600	36,300
Q4/X4	30K (70 CRI)	321	50,200	52,800	34,500	31,600
	40K (70 CRI)		52,400	55,100	36,000	33,000
	50K (90 CRI)		35,600	37,400	24,500	22,400
	57K (70 CRI)		52,400	55,100	36,000	33,000
Q3/X3	30K (70 CRI)	287	46,400	48,800	31,900	29,200
	40K (70 CRI)		48,400	50,900	33,300	30,500
	50K (90 CRI)		32,900	34,600	22,600	20,700
	57K (70 CRI)		48,400	50,900	33,300	30,500
Q2/X2	30K (70 CRI)	256	41,700	43,900	28,700	26,300
	40K (70 CRI)		43,500	45,800	29,900	27,400
	50K (90 CRI)		29,600	31,100	20,300	18,600
	57K (70 CRI)		43,500	45,800	29,900	27,400
Q1/X1	30K (70 CRI)	227	36,900	38,800	25,400	23,200
	40K (70 CRI)		38,400	40,400	26,400	24,200
	50K (90 CRI)		26,100	27,500	18,000	16,500
	57K (70 CRI)		38,400	40,400	26,400	24,200

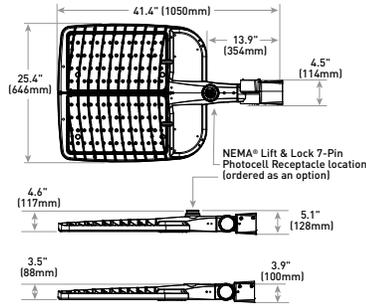
OSQL - AA Mount



Luminaire	Weight
OSQL	28.4 lbs. (12.9kg)

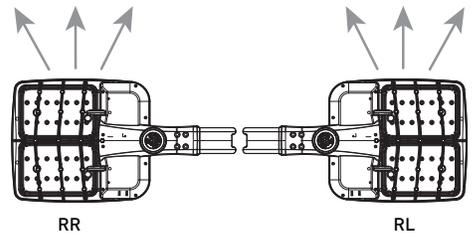
Note: For OSQM w/AA mount, refer to drawing on page 1.

OSQX - AA Mount

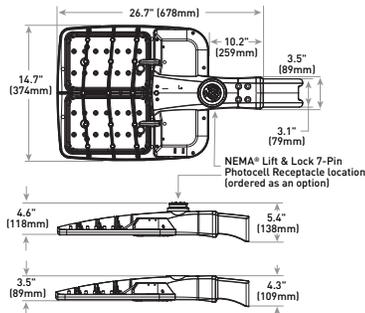


Luminaire	Weight
OSQX	48.6 lbs. (22.0kg)

RR/RL Configuration



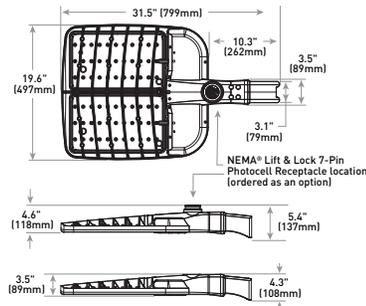
OSQM - DA Mount



Luminaire	Weight
OSQM	19.7 lbs. (8.9kg)

Note: Refer to page 14 for fixture mounting drill pattern.

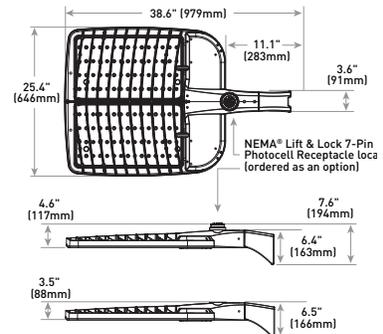
OSQL - DA Mount



Luminaire	Weight
OSQL	28.8 lbs. (13.1kg)

Note: Refer to page 14 for fixture mounting drill pattern.

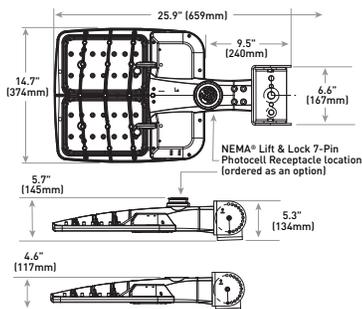
OSQX-DA Mount



Luminaire	Weight
OSQX	45.8 lbs. (20.8kg)

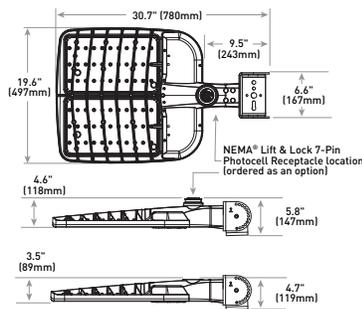
Note: Refer to page 14 for fixture mounting drill pattern.

OSQM - Trunnion Mount



Luminaire	Weight
OSQM	23.2 lbs. (10.5kg)

OSQL - Trunnion Mount



Luminaire	Weight
OSQL	32.3 lbs. (14.7kg)

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US: creelighting.com (800) 236-6800

Canada: creelighting-canada.com (800) 473-1234



A COMPANY OF IDEAL INDUSTRIES, INC.



Catalog Number
Notes
Type

FEATURES & SPECIFICATIONS

INTENDED USE

Provides years of maintenance-free illumination for outdoor use in residential & commercial applications. Ideal for applications such as lighting walkways and stairways for safety and security.

CONSTRUCTION

Cast-aluminum housing with corrosion-resistant paint in either dark bronze or white finish.

ADA compliant.

OPTICS

4000K CCT LEDs.

Polycarbonate lens protects the LED from moisture, dirt and other contaminants.

LUMEN MAINTENANCE: The LED will deliver 70% of its initial lumens at 50,000 hour average LED life. See Lighting Facts label on page 2 for performance details.

ELECTRICAL

MVOLT driver operates on any line voltage from 120-277V

Operating temperature -30°C to 40°C.

1KV surge protection standard.

INSTALLATION

Surface mounts to universal junction box (provided by others).

LISTINGS

UL Listed to U.S. and Canadian safety standards for wet locations.

Tested in accordance with IESNA LM-79 and LM-80 standards.

WARRANTY — 5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. Complete warranty terms located at:

www.acuitybrands.com/support/customer-support/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application.

All values are design or typical values, measured under laboratory conditions at 25 °C.

Specifications subject to change without notice.

Outdoor General Purpose

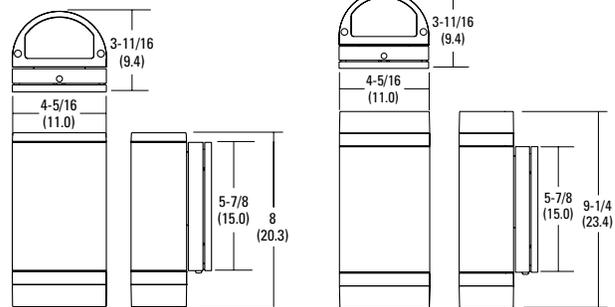
OLLWD & OLLWU

LED WALL CYLINDER LIGHT



Specifications

All dimensions are inches (centimeters)



ORDERING INFORMATION

For shortest lead times, configure products using **bolded options**.

Example: OLLWD LED P1 40K MVOLT DDB

Series	Performance Package	Color temperature (CCT)	Voltage	Finish
OLLWD LED Downlight	P1	40K 4000K	MVOLT 120V-277V	DDB Dark bronze
OLLWU LED Up & downlight			120 120V ¹	WH White ²

Notes

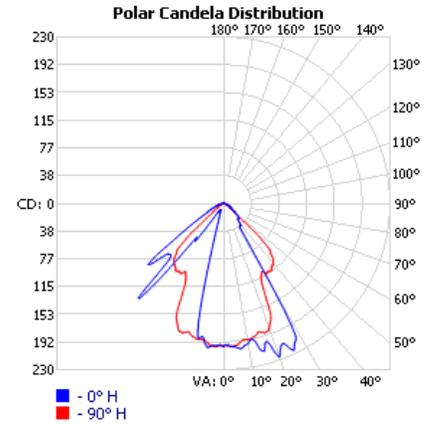
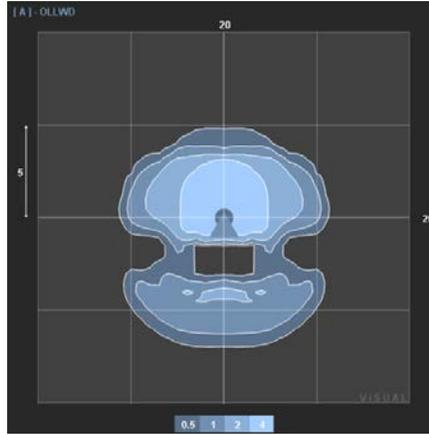
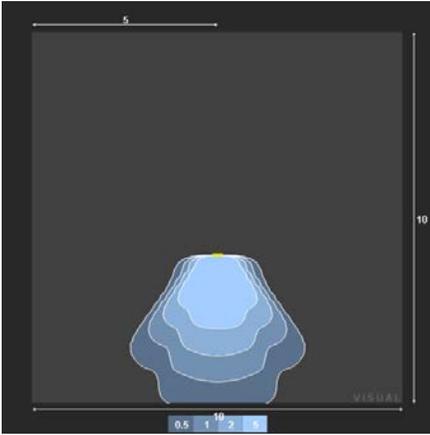
1. Only available with OLLWU and in DDB.
2. Only available with OLLWU.

OLLWD & OLLWU LED Wall Cylinder Light

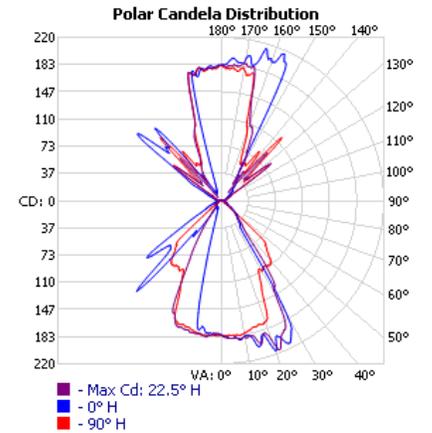
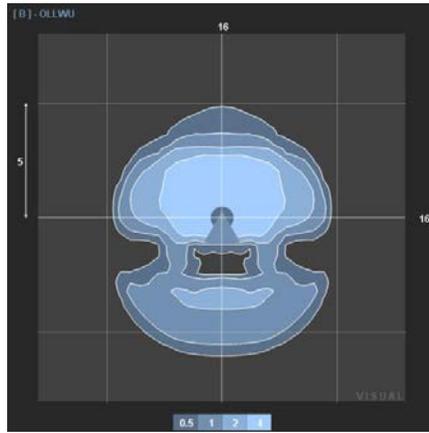
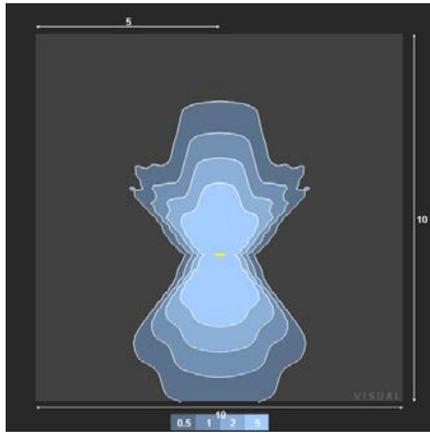
PHOTOMETRICS

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's Outdoor LED homepage
 Tested in accordance with IESNA LM-79 and LM-80 standards.

OLLWD



OLLWU



OLLWD

Lithonia Lighting

LED **lighting facts**
A Program of the U.S. DOE

Light Output (Lumens)	533
Watts	9.1
Lumens per Watt (Efficacy)	58.63

Color Accuracy
Color Rendering Index (CRI)

70

Light Color
Correlated Color Temperature (CCT)

4000 (Bright White)

All results are according to IESNA LM-79-2008. Approved Method for the Electrical and Photometric Testing of Solid State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit www.lightingfacts.com for the Label Reference Guide.

Registration Number: NJSM-W81YMF (7/22/2018)
 Model Number: OLLWD LED P1 40K XXXXX XXX
 Type: Luminaire - Other

OLLWU

Lithonia Lighting

LED **lighting facts**
A Program of the U.S. DOE

Light Output (Lumens)	947
Watts	14
Lumens per Watt (Efficacy)	67.64

Color Accuracy
Color Rendering Index (CRI)

70

Light Color
Correlated Color Temperature (CCT)

4000 (Bright White)

All results are according to IESNA LM-79-2008. Approved Method for the Electrical and Photometric Testing of Solid State Lighting. The U.S. Department of Energy (DOE) verifies product test data and results.

Visit www.lightingfacts.com for the Label Reference Guide.

Registration Number: NJSM-Y79M8B (7/22/2018)
 Model Number: OLLWU LED P1 40K XXXXX XXX
 Type: Luminaire - Other



January 11, 2024

TO: James Belt
Gardner Construction
15950 SH-205
Terrell, TX 75160

CC: Cory Fleck
C2LA, LLC
382 Ranch Trail
Rockwall, Tx 75032

FROM: Henry Lee, AICP
City of Rockwall Planning and Zoning Department
385 S. Goliad Street
Rockwall, TX 75087

SUBJECT: SP2023-037; *Site Plan for Arms of America*

James Belt:

This letter serves to notify you that the above referenced case (*i.e. Site Plan*) that you submitted for consideration by the City of Rockwall was approved by the Planning and Zoning Commission on November 14, 2023. The following is a record of all recommendations, voting records and conditions of approval:

Staff Recommendations

- (1) All staff comments provided by the Planning, Engineering and Fire Department must be addressed prior to the submittal of engineering plans; and,
- (2) A photometric plan that conforms to the Unified Development Code (UDC) must be submit before Civil Engineering plans may be submit for review; and,
- (3) Any construction resulting from the approval of this Site Plan shall conform to the requirements set forth by the Unified Development Code (UDC), the International Building Code (IBC), the Rockwall Municipal Code of Ordinances, city adopted engineering and fire codes and with all other applicable regulatory requirements administered and/or enforced by the state and federal government.

Planning and Zoning Commission

On November 14, 2023, the Planning and Zoning Commission approved a motion to approve the site plan by a vote of 7-0.

Should you have any questions or concerns regarding your zoning case, please feel free to contact me a (972) 772-6434.

Sincerely,

A handwritten signature in black ink, appearing to read 'Henry Lee', is written over a faint, larger version of the same signature.

Henry Lee, AICP, *Senior Planner*
City of Rockwall Planning and Zoning Department