

# City of Rockwall

Planning & Zoning Department  
 385 S. Goliad Street  
 Rockwall, Texas 75032  
 (P): (972) 771-7745  
 (W): www.rockwall.com

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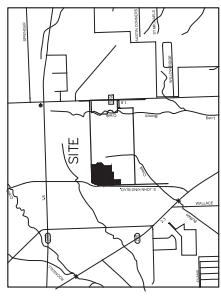
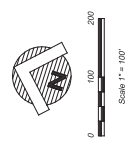


**GENERAL NOTES:**

1. EXISTING DIMENSIONS ARE FROM FACE OF CURB UNLESS OTHERWISE NOTED.
2. PRIOR TO ANY CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND ACCURACY SURVEY OF RECORD REQUIREMENTS, ETC.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND ACCURACY SURVEY OF RECORD REQUIREMENTS, ETC.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND ACCURACY SURVEY OF RECORD REQUIREMENTS, ETC.
5. ALL WORK SHALL CONFORM TO THE CITY OF ROCKWALL SPECIFICATIONS, STANDARDS AND REGULATIONS.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND ACCURACY SURVEY OF RECORD REQUIREMENTS, ETC.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND ACCURACY SURVEY OF RECORD REQUIREMENTS, ETC.
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9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND ACCURACY SURVEY OF RECORD REQUIREMENTS, ETC.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND ACCURACY SURVEY OF RECORD REQUIREMENTS, ETC.

**NOTE**

THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND ACCURACY SURVEY OF RECORD REQUIREMENTS, ETC.



**GENERAL NOTES:**

CONTRACTOR TO VERIFY LOCATION OF ALL EXISTING UTILITIES.

ALL UTILITIES SHALL BE DEEPENED TO MEET CITY STANDARDS AND DETAIL.

**OUTDOOR LIGHTING NOTE:**

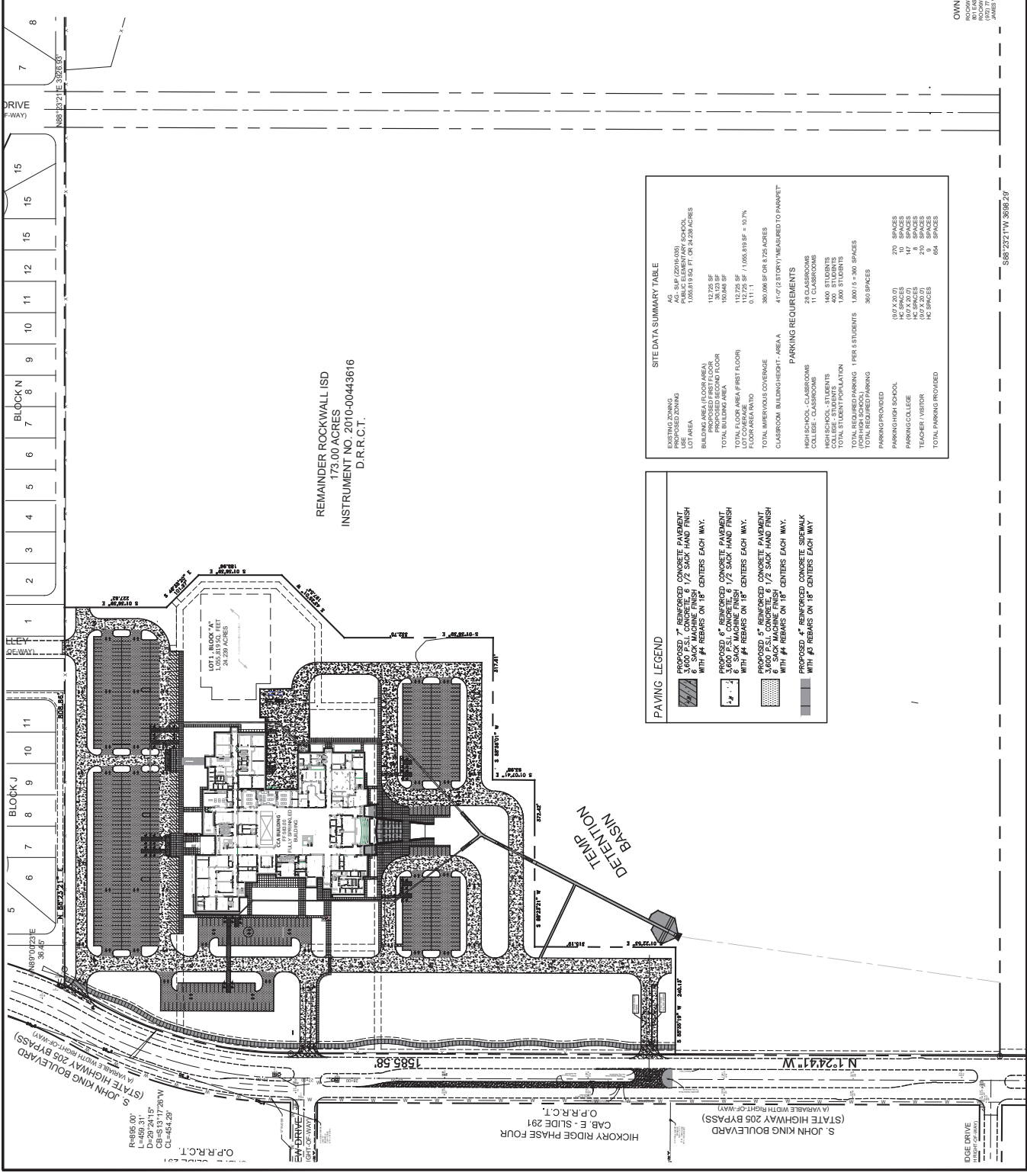
ALL OUTDOOR LIGHTING MUST BE ORIENTED SO THAT LIGHTING LEVELS AT ALL PROPERTY LINES ARE 1 FC/CANDELA OR LESS.

**ROCKWALL - CCA ADDITION  
 LOT 1, BLOCK A  
 OUT OF THE  
 W.H. BAIRD SURVEY, ABSTRACT NO. 25  
 CITY OF ROCKWALL, ROCKWALL COUNTY, TEXAS**

**OWNER:** ROCKWALL ISD  
 ROCKWALL TEXAS 75087  
 ROCKWALL TEXAS 75087  
 CONTACT: JAMES WATSON

**SURVEYOR:** ENGINEER  
 SURVEY GROUP  
 218 W. WILSON ST.  
 ROCKWALL TEXAS 75087  
 TEL: 972-982-2422  
 FAX: 972-982-2422  
 CONTACT: ROBERT HOFFMAN

**CITY OF ROCKWALL CASE NO.**



REMAINDER ROCKWALL ISD  
 173.00 ACRES  
 INSTRUMENT NO. 2010-00443616  
 D.I.R.C.T.

**SITE DATA SUMMARY TABLE**

EXISTING ZONING	AG - SUP (2016-03)
PROPOSED ZONING	AG - SUP (2016-03)
LOT AREA	1,005.91 SQ. FT. OR 0.2328 ACRES
BUILDING AREA/FLOOR AREA	11,275 SF
PROPOSED FIRST FLOOR	11,275 SF
TOTAL FLOOR AREA/FIRST FLOOR	11,275 SF / 1,005.91 SF = 10.7%
TOTAL BUILDING AREA	10,948 SF
FLOOR AREA RATIO	0.11:1
TOTAL IMPERVIOUS COVERAGE	300,000 SF OR 6.725 ACRES
CLASSROOM BUILDING HEIGHT - AREA A	41'7" (2 STORY) (AS PER TO PARAPET)
CLASSROOMS	29 CLASSROOMS
COLLEGE CLASSROOMS	1 COLLEGE CLASSROOM
HIGH SCHOOL - STUDENTS	1400 STUDENTS
COLLEGE - STUDENTS	400 STUDENTS
TOTAL STUDENT POPULATION	1800 STUDENTS
TOTAL REQUIRED PARKING	1 PER 6 STUDENTS = 300 SPACES
PARKING PROVIDED	300 SPACES
PARKING HIGH SCHOOL	(80' X 20') 270 SPACES
PARKING COLLEGE	(60' X 20') 147 SPACES
TEACHER/VISITOR	(60' X 20') 210 SPACES
TOTAL PARKING PROVIDED	624 SPACES

**PAVING LEGEND**

[Symbol]	PROPOSED 7" REINFORCED CONCRETE PAVEMENT, 3,000 P.S.I., CONCRETE, 6 1/2" SACK HAND FINISH WITH #4 REBARS ON 18" CENTERS EACH WAY.
[Symbol]	PROPOSED 4" REINFORCED CONCRETE PAVEMENT, 3,000 P.S.I., CONCRETE, 6 1/2" SACK MACHINE FINISH WITH #4 REBARS ON 18" CENTERS EACH WAY.
[Symbol]	PROPOSED 5" REINFORCED CONCRETE PAVEMENT, 3,000 P.S.I., CONCRETE, 6 1/2" SACK MACHINE FINISH WITH #4 REBARS ON 18" CENTERS EACH WAY.
[Symbol]	PROPOSED 4" REINFORCED CONCRETE SIDEWALK WITH #4 REBARS ON 18" CENTERS EACH WAY.

S8812217W 3658.23'

KING BOULEVARD  
 HIGHWAY 205 BYPASS  
 (A VARIABLE WIDTH RIGHT-OF-WAY)

N89°00'23"E  
 36.45'

N25°59'44"E  
 75.29'

N 88°23'21"E

808.86'

VALLEY  
 GHT-OF-WAY)

(50' WIDTH RIGHT  
 1 2 3 4

BLOCK J  
 5 6 7 8 9 10 11

LOT 1, BLOCK "A"  
 1,055,819 SQ. FEET  
 24.239 ACRES

CCA BUILDING  
 FF 583.00  
 FULLY SPRINKLED  
 BUILDING

ROCKWALL - CCA ADDITION  
 LOT 1, BLOCK A  
 OUT OF THE  
 W.H. BAIRD SURVEY, ABSTRACT NO. 25  
 CITY OF ROCKWALL, ROCKWALL COUNTY, TEXAS

OWNER:  
 ROCKWALL COLLEGE AND CAREER ACADEMY  
 10101 ROCKWALL BLVD. SUITE 100  
 ROCKWALL, TEXAS 75087  
 JAMES WATSON

ENGINEER:  
 HUCKABEE ENGINEERING CORPORATION  
 2100 W. STATE ST. SUITE 100  
 ROCKWALL, TEXAS 75087  
 JAMES WATSON

SURVEYOR:  
 HUCKABEE ENGINEERING CORPORATION  
 2100 W. STATE ST. SUITE 100  
 ROCKWALL, TEXAS 75087  
 JAMES WATSON

CITY OF ROCKWALL CASE NO. 19242016

CS  
 1.1

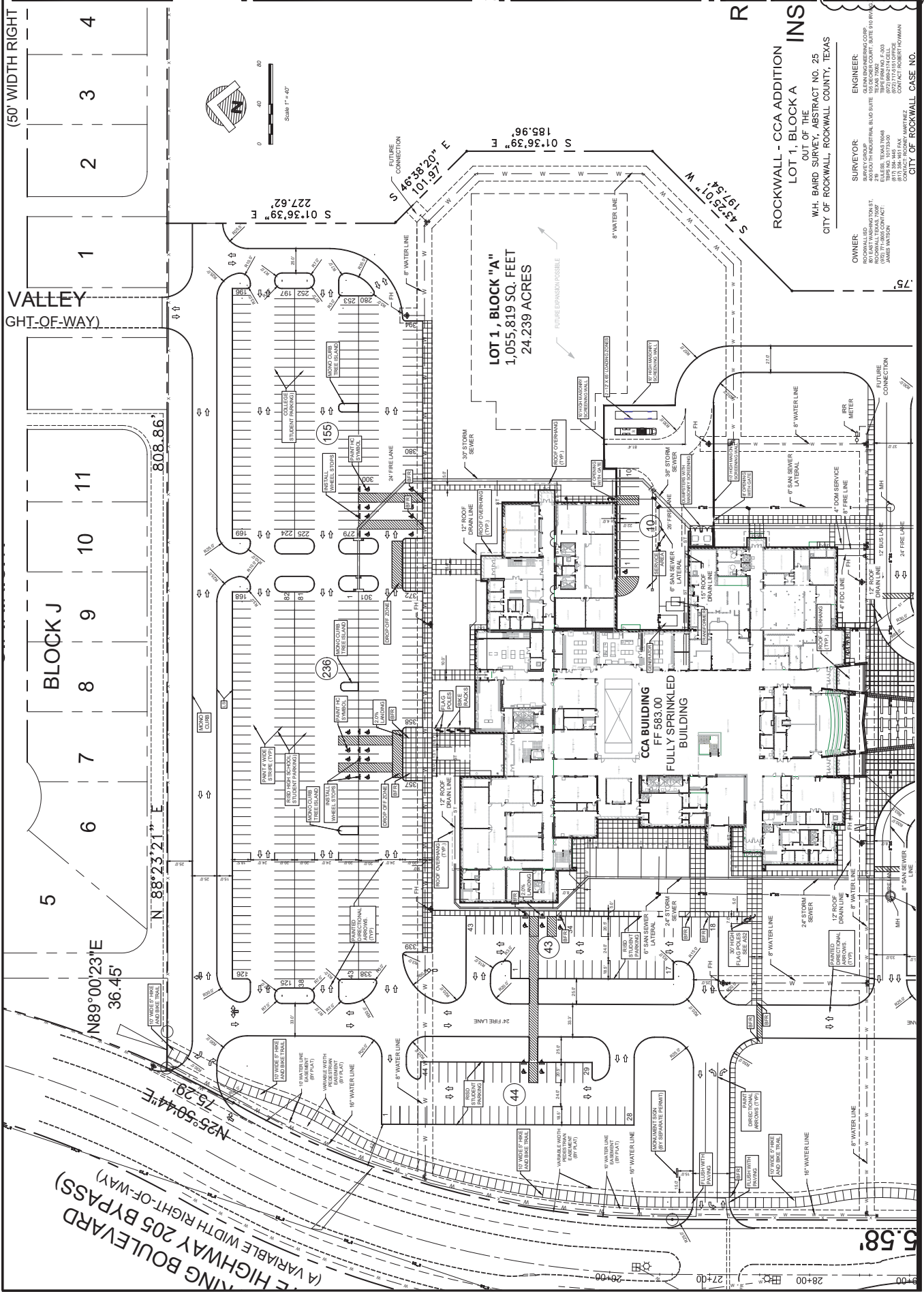
DETAILED NORTH  
 SITE PLAN

Huckabee



Project:  
 ROCKWALL COLLEGE AND CAREER ACADEMY  
 FOR  
 ROCKWALL I.S.D.  
 ROCKWALL, TEXAS

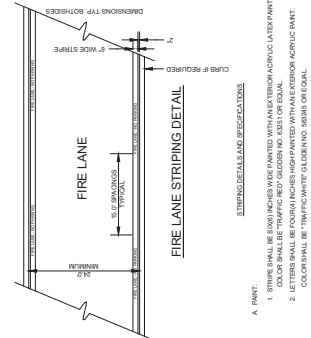
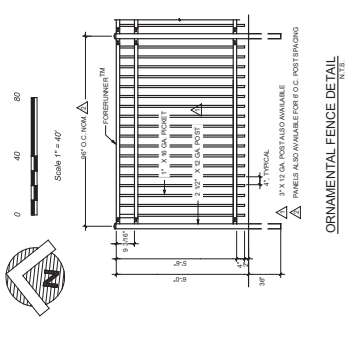
Revision / Date  
 1 11/17/16  
 Addendum #2





**GENERAL NOTES:**

1. STRIPES AND SIGNAGE EMBLEMES ARE FROM FACE OF CURB ACCORDANCE WITH CITY OF ROCKWALL REQUIREMENTS.
2. PRIOR TO ANY CONSTRUCTION THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE CITY OF ROCKWALL SPECIFICATIONS AND ANY OTHER APPLICABLE STANDARDS OR SPECIFICATIONS OF ROCKWALL SPECIFICATIONS AND ANY OTHER APPLICABLE STANDARDS OR SPECIFICATIONS OF THE CITY OF ROCKWALL.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF ROCKWALL AND ANY OTHER APPLICABLE AGENCIES PRIOR TO CONSTRUCTION.
4. ALL WORK SHALL CONFORM TO THE CITY OF ROCKWALL SPECIFICATIONS, STANDARDS AND DETAILS.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF ROCKWALL AND ANY OTHER APPLICABLE AGENCIES PRIOR TO CONSTRUCTION.
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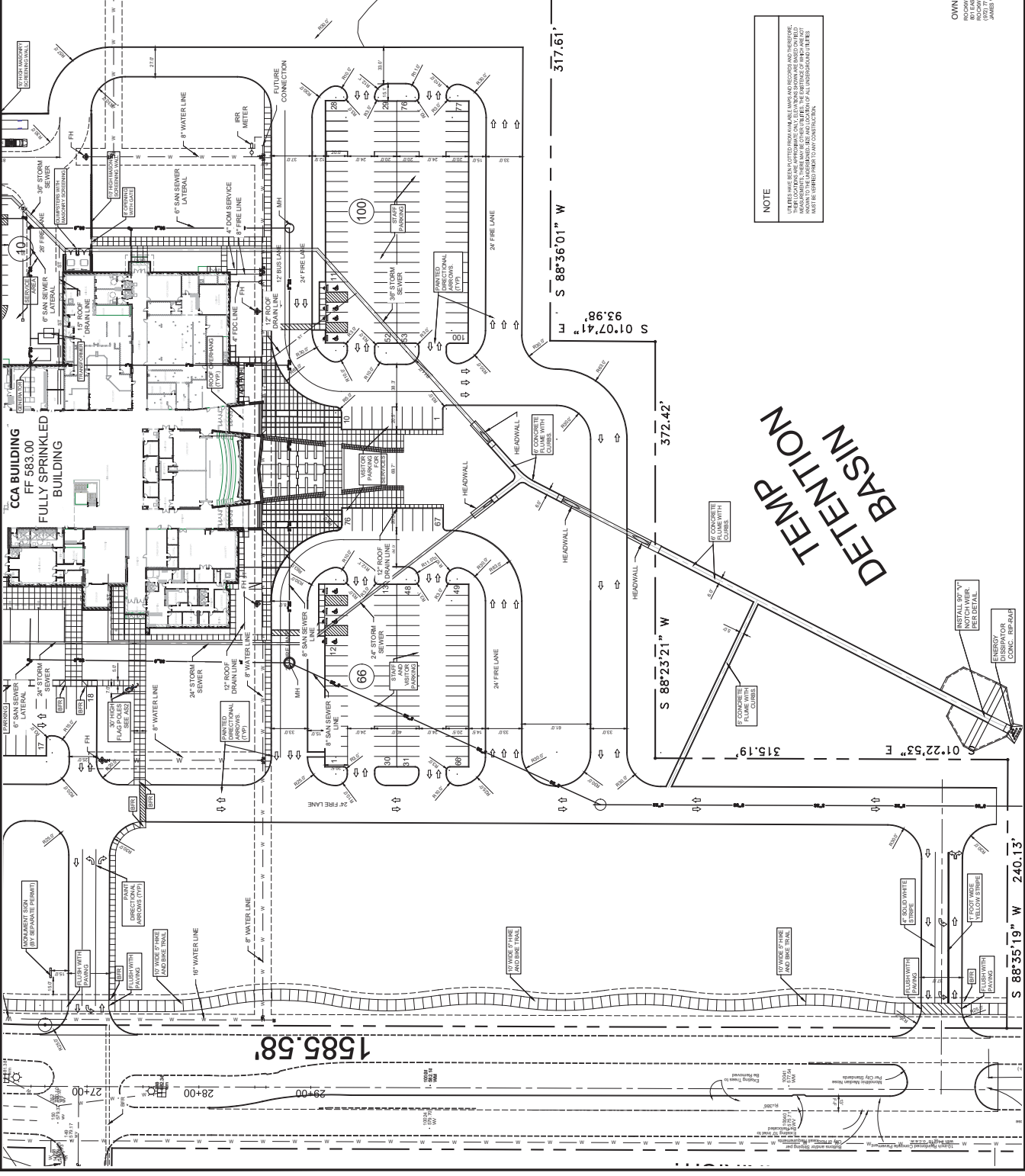
**ROCKWALL - CCA ADDITION  
 LOT 1, BLOCK A  
 OUT OF THE  
 W.H. BAIRD SURVEY, ABSTRACT NO. 25  
 CITY OF ROCKWALL, ROCKWALL COUNTY, TEXAS**

**OWNER:**  
 ROCKWALL ISD  
 ROCKWALL COLLEGE AND CAREER ACADEMY  
 JAMES WATSON

**ENGINEER:**  
 CLEAN ENGINEERING CORP.  
 218 W. WYOMING ST.  
 ROCKWALL, TEXAS 75087  
 (972) 968-2744  
 JAMES WATSON  
 (972) 968-2744

**SURVEYOR:**  
 JAMES WATSON

**CITY OF ROCKWALL CASE NO.**



**NOTE**

FOR BEST VIEW, SEE OTHER SHEETS FOR THE LAYOUT AND DIMENSIONS AND SPECIFICATIONS. THE LAYOUT AND DIMENSIONS ARE BASED ON THE FIELD SURVEY AND THE DIMENSIONS ARE NOT TO BE CONSIDERED AS A GUARANTEE OF ACCURACY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE CITY OF ROCKWALL AND ANY OTHER APPLICABLE AGENCIES PRIOR TO CONSTRUCTION.



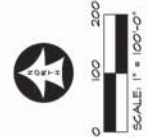
ISSUES/  
 REVISIONS

DATE: 10/20/18  
 SCALE: 1"=100'

SHEET NO.  
**L1.1**

**SITE DATA SUMMARY TABLE**

EXISTING ZONING	AG
PROPOSED ZONING	AG - SUP (22016-030)
LOT AREA	1,050,819 SQ. FT. OR 24.238 ACRES
BUILDING AREA (FLOOR AREA)	112,725 SF
PROPOSED SECOND FLOOR	150,848 SF
TOTAL BUILDING AREA	263,573 SF
TOTAL FLOOR AREA (FIRST FLOOR)	112,725 SF / 1,050,819 SF = 0.11 I.I.
FLOOR AREA RATIO	382,096 SF
TO PARAPET	41'-0" (12 STORY) MEASURED TO PARAPET
<b>PARKING REQUIREMENTS</b>	
HIGH SCHOOL - CLASSROOMS	28 CLASSROOMS
COLLEGE - CLASSROOMS	11 CLASSROOMS
HIGH SCHOOL - STUDENTS	1400 STUDENTS
COLLEGE - STUDENTS	1800 STUDENTS
TOTAL STUDENT POPULATION	3200 STUDENTS
TOTAL REQUIRED PARKING	1 PER 5 STUDENTS/100 / 3 = 360 SPACES
(FOR HIGH SCHOOL)	
TOTAL REQUIRED PARKING	360 SPACES
PARKING PROVIDED	360 SPACES
PARKING HIGH SCHOOL	10 SPACES
PARKING COLLEGE	250 SPACES
TEACHER / VISITOR	141 SPACES
TOTAL PARKING PROVIDED	691 SPACES
TOTAL PARKING EXCESS	331 SPACES



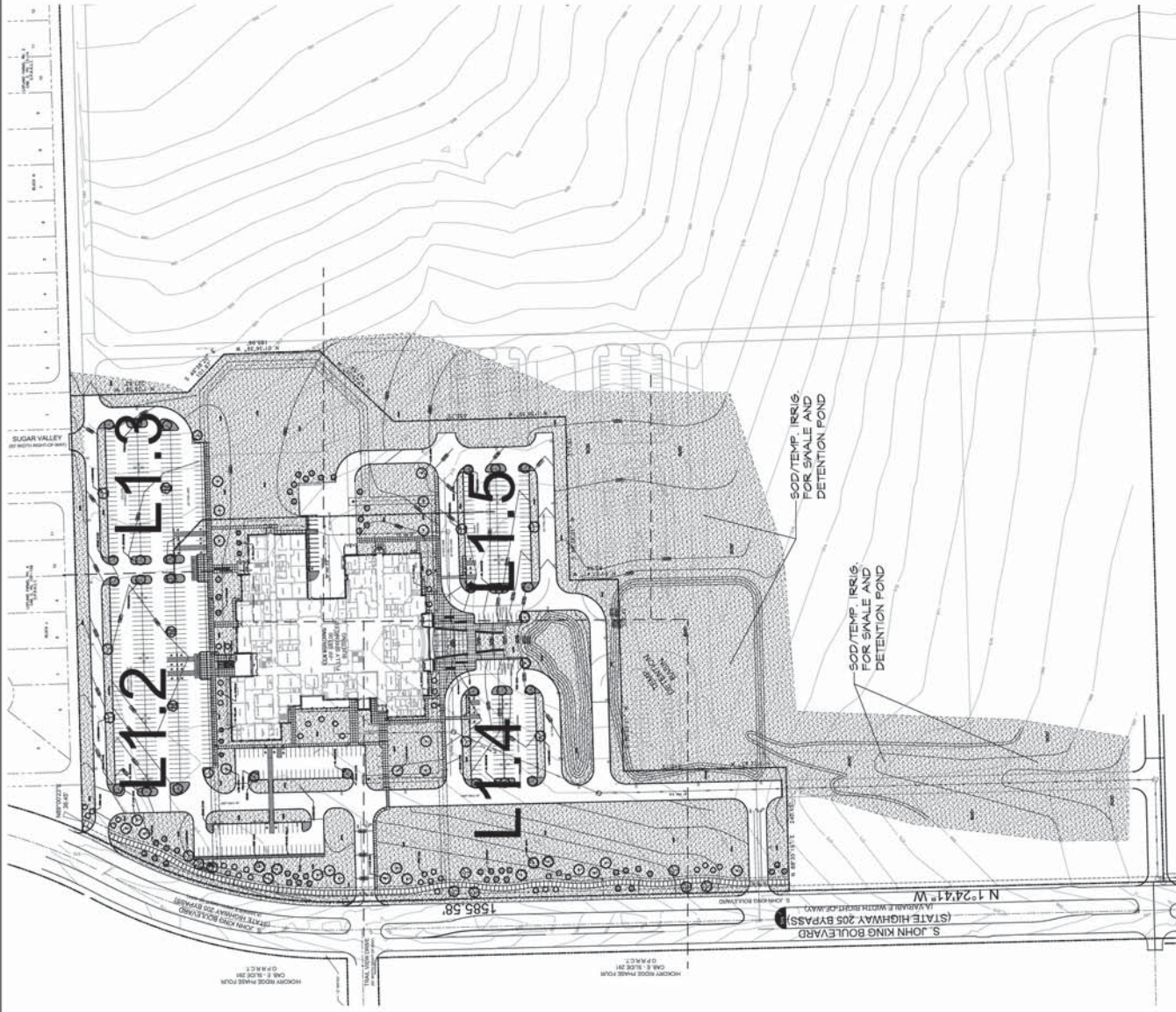
**ROCKWALL - CCA ADDITION**  
**LOT 1, BLOCK A**  
 OUT OF THE  
 WH BARB SURVEY, ABSTRACT NO. 25  
 CITY OF ROCKWALL, ROCKWALL COUNTY, TEXAS

**OWNER:**  
 ROCKWALL ISD  
 801 EAST WASHINGTON ST.  
 ROCKWALL, TEXAS 76187  
 (817) 771-0000 CONTACT  
 JARED HARTON

**SURVEYOR:**  
 SURVEY GROUP  
 205 SOUTH INDUSTRIAL BLVD SUITE 100 ROCKWALL, TEXAS 76187  
 (817) 964-3445  
 CONTACT: MICHAEL HAYMAN

**ENGINEER:**  
 GLENN ENGINEERING CORP.  
 2500 SOUTH INDUSTRIAL BLVD SUITE 100 ROCKWALL, TEXAS 76187  
 (817) 964-3445  
 CONTACT: MICHAEL HAYMAN

**CITY OF ROCKWALL CASE NO.**



RAMSEY LANDSCAPE ARCHITECTS, LLC  
 11914 WISHNO WELLS CT  
 FORT COCK, TEXAS 75005  
 PHONE (972) 231-0888  
 FAX (972) 231-0433  
 EMAIL: MKEE@RAMSAY.LLC

LANDSCAPE PLAN AREA A  
 ROCKWALL, TEXAS  
 ROCKWALL I.S.D.  
 ROCKWALL COLLEGE AND CAREER ACADEMY FOR

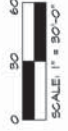


ISSUES/  
 REVISIONS

DATE: 10/20/2018  
 SCALE: 1"=30'

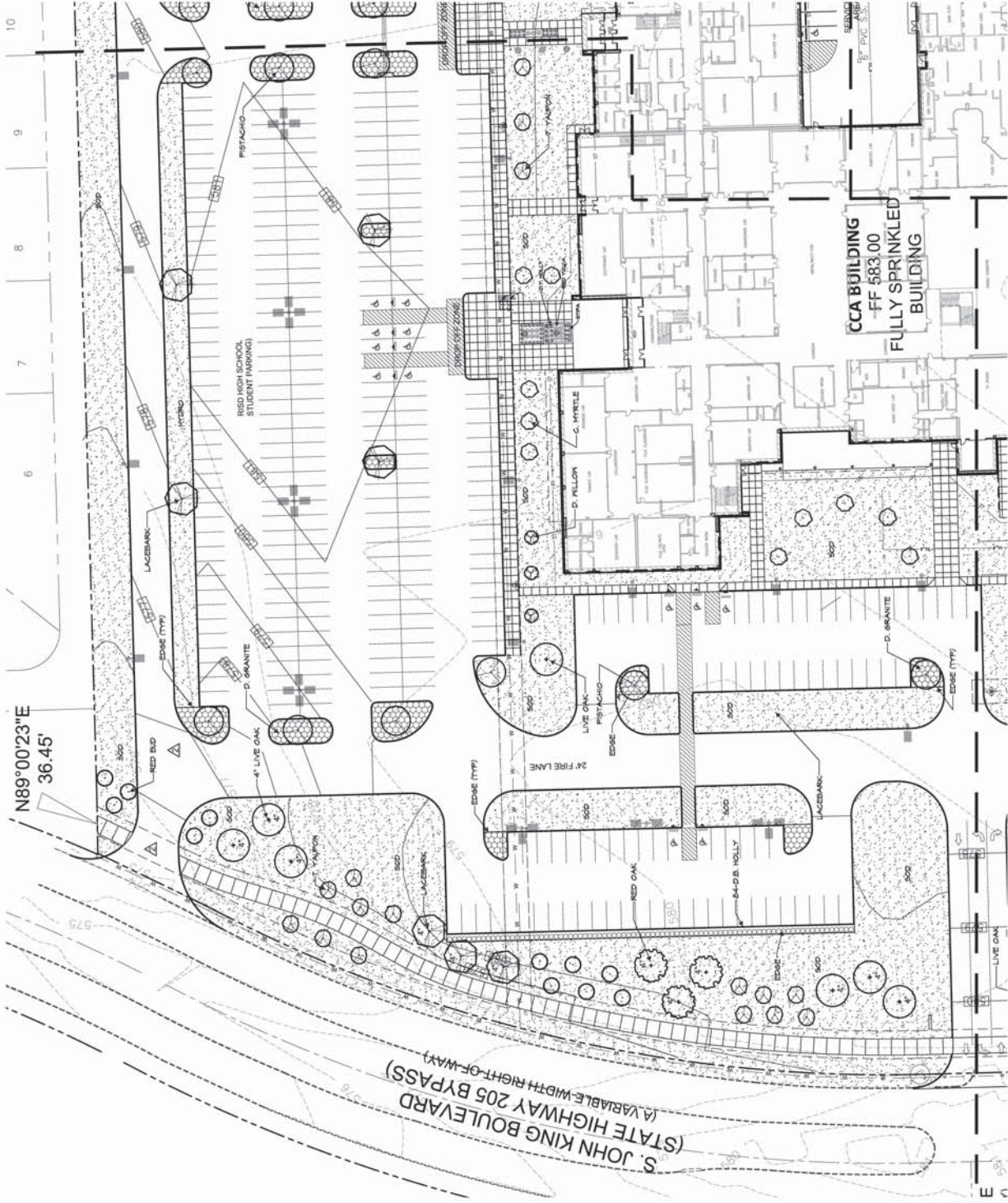
SHEET No.

L1.2



MATCHLINE SEE SHEET L1.3

MATCHLINE SEE SHEET L1.4



10  
 9  
 8  
 7  
 6

N89°00'23"E  
 36.45'

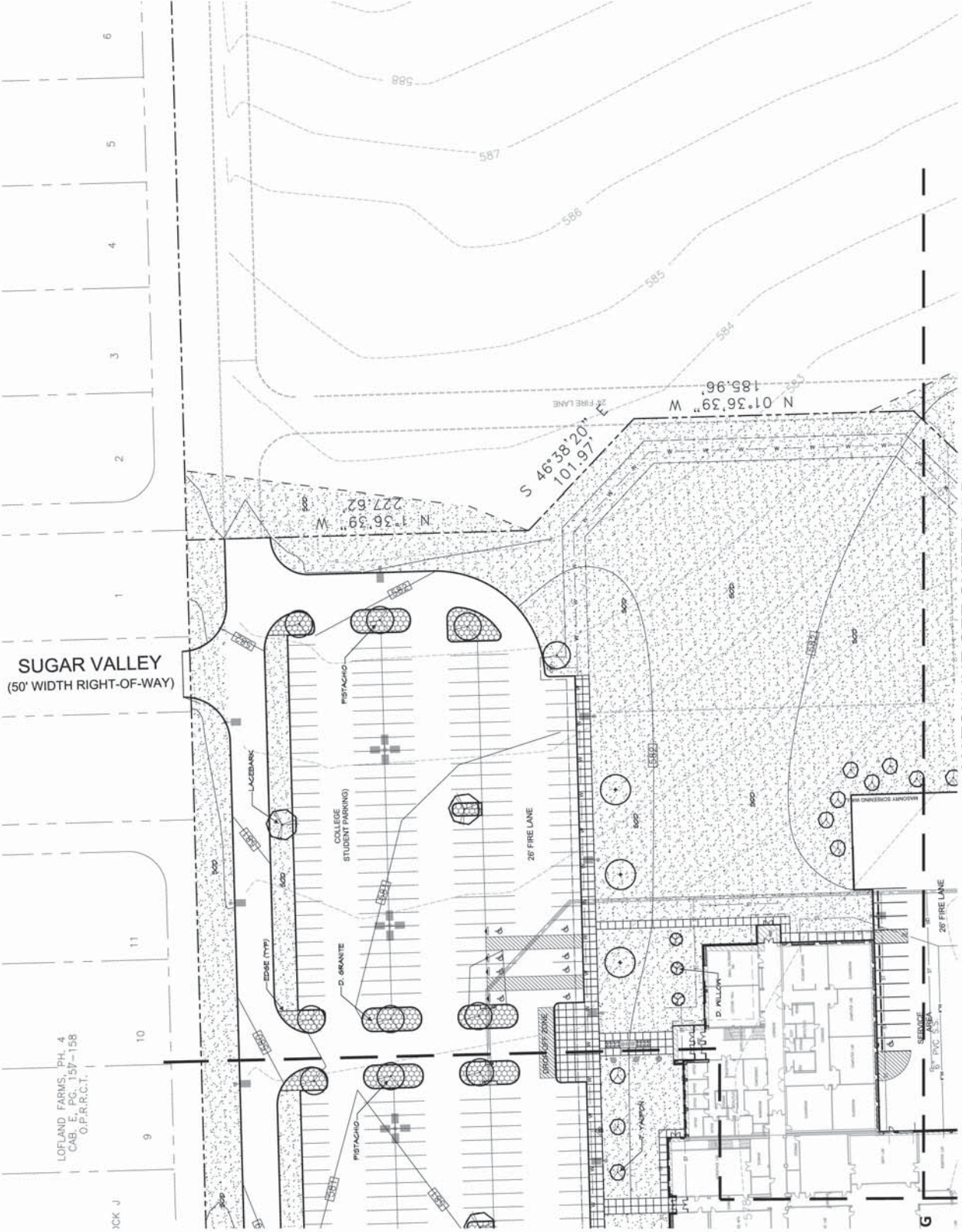
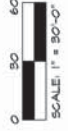
E



ISSUES/  
 REVISIONS

DATE: 10/22/2016  
 SCALE: 1"=30'

SHEET No.  
**L1.3**



SUGAR VALLEY  
 (50' WIDTH RIGHT-OF-WAY)

LOFLAND FARMS, PH. 4  
 CAB. E. PG. 157-158  
 O.P.R.C.T.

JACK J

9

10

11

1

2

3

4

5

6

MATCHLINE SEE SHEET L1.2

MATCHLINE SEE SHEET L1.5

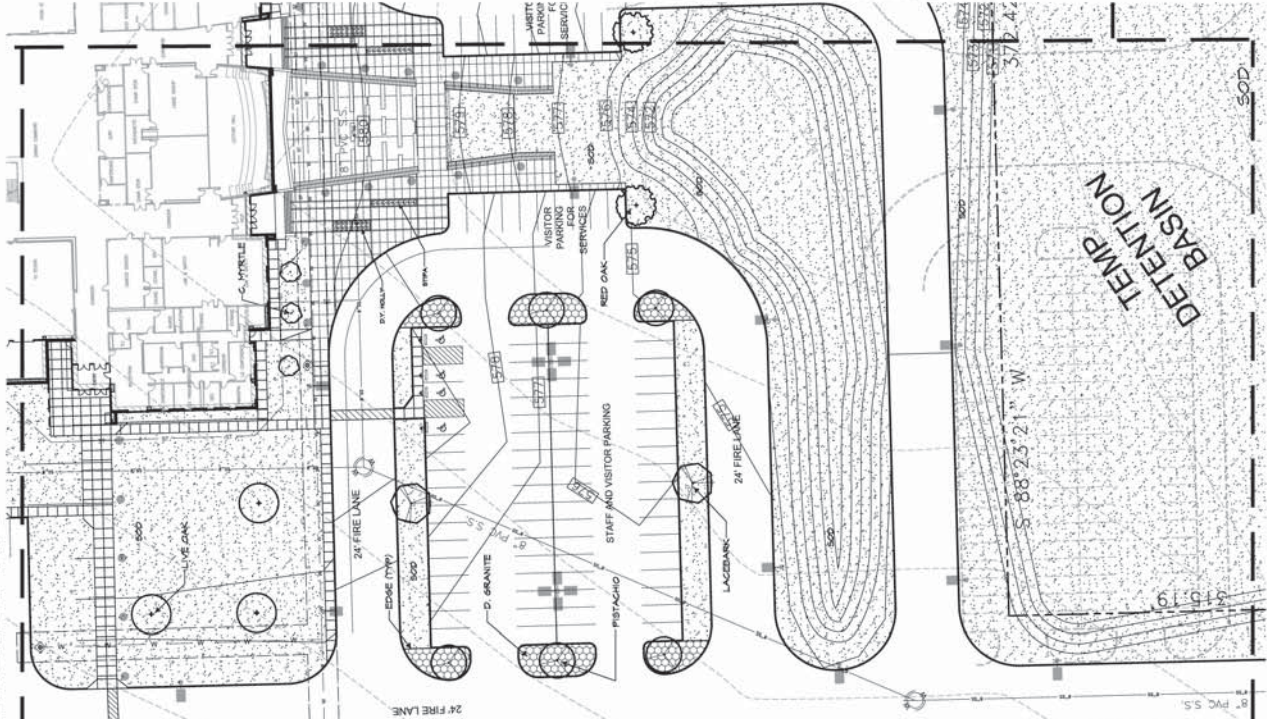
TRAIL VIEW DRIVE  
(60' WIDTH RIGHT-OF-WAY)

1585.58'

HICKORY RIDGE PHASE FOUR  
CAB. E - SLIDE 291  
O.P.R.R.C.T.

MATCHLINE SEE SHEET L1.2

MATCHLINE SEE SHEET L2.1



MATCHLINE SEE SHEET L1.5

MATCHLINE SEE SHEET L1.1



SCALE: 1" = 30'-0"  
0 30 60



ISSUES/  
REVISIONS

DATE: 10/22/2016  
SCALE: 1"=30'

SHEET No.  
**L1.4**

ROCKWALL COLLEGE AND CAREER ACADEMY FOR  
ROCKWALL, TEXAS  
ROCKWALL, TEXAS  
LANDSCAPE PLAN AREA C

RAMSEY LANDSCAPE ARCHITECTS, LLC  
1914 WISHING WELLS CT  
FRENCO, TEXAS 75055  
PHONE (972) 231-0888  
FAX (972) 231-5433  
EMAIL: MKEE@RAMSAYLTA.NET



RAMSEY LANDSCAPE ARCHITECTS, LLC  
 1914 WISHNO WELLS CT  
 FORT COCK, TEXAS 75005  
 PHONE (972) 251-0988  
 FAX (972) 252-6433  
 EMAIL: MKEE@RAMSEYLLC.COM

LANDSCAPE PLAN AREA D  
 ROCKWALL, TEXAS  
 ROCKWALL I.S.D.  
 ROCKWALL COLLEGE AND CAREER ACADEMY FOR



ISSUES/  
 REVISIONS

DATE: 10/20/2018  
 SCALE: 1"=30'

SHEET No.  
**L1.5**

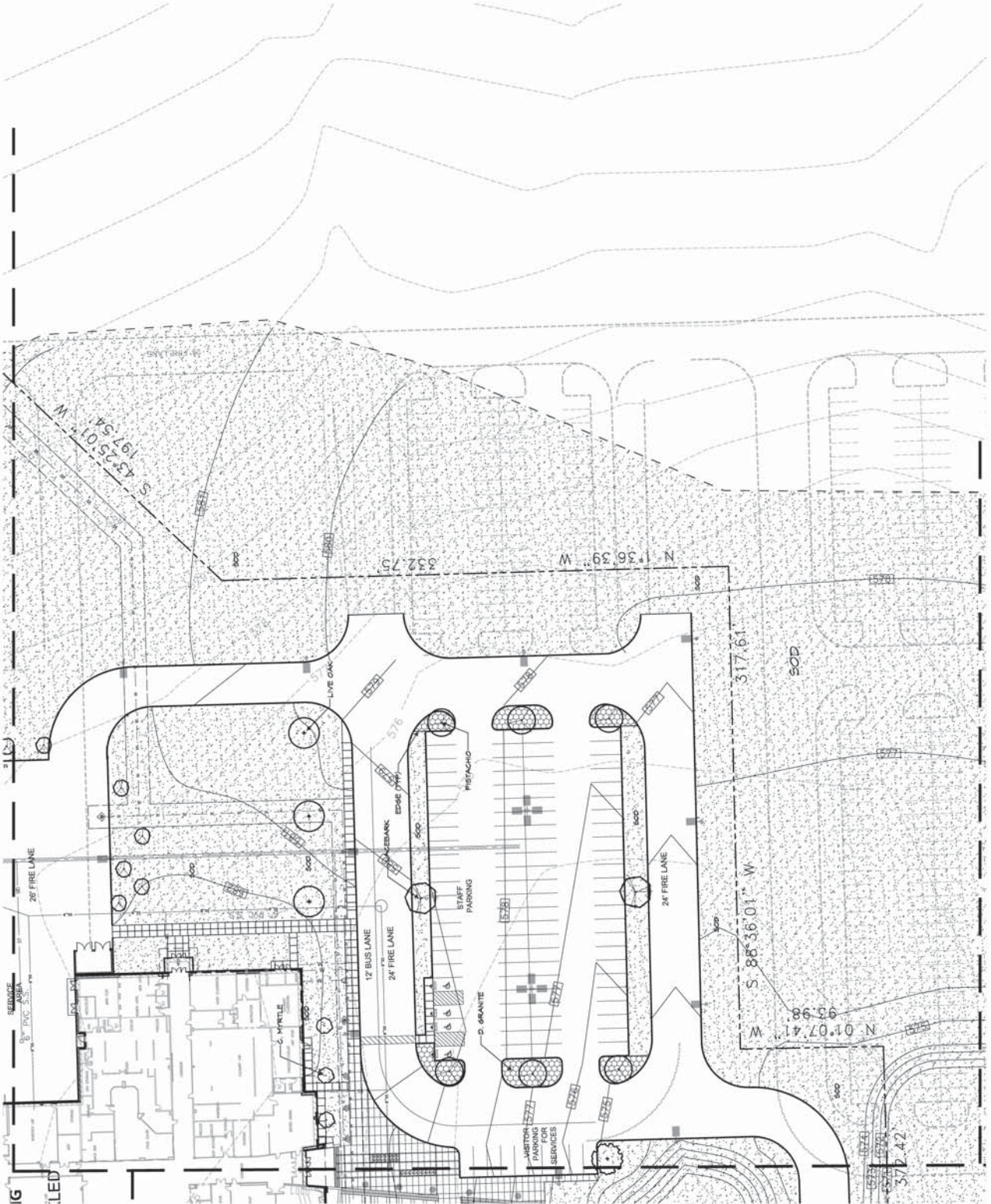


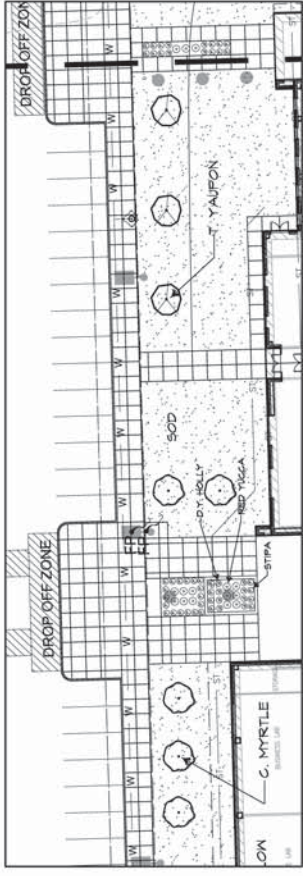
0 30 60  
 SCALE: 1" = 30'-0"

MATCHLINE SEE SHEET L1.3

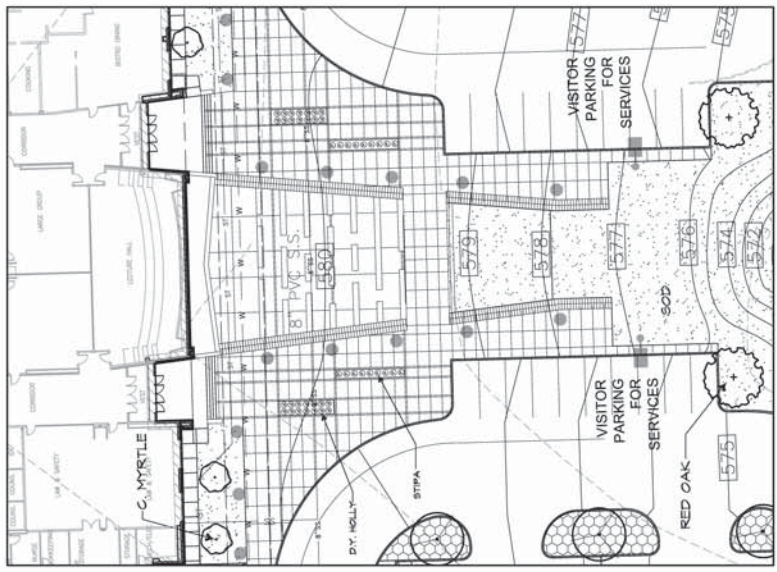
MATCHLINE SEE SHEET L1.1

MATCHLINE SEE SHEET L1.4



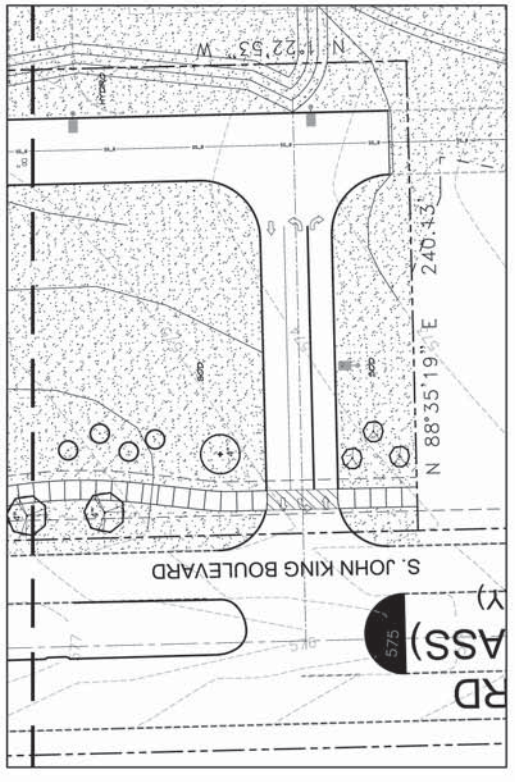


**NORTH ENTRY ENLARGEMENT**  
SCALE: 1" = 20'-0"



**SOUTH ENTRY ENLARGEMENT**  
SCALE: 1" = 20'-0"

MATCHLINE SEE SHEET L1.4



RAMSEY LANDSCAPE ARCHITECTS, LLC  
1914 WISHING WELLS CT  
FRENCH TOWNSHIP, MO  
PHONE (636) 325-0888  
FAX (636) 325-6433  
EMAIL: MKE@RAMSAYLLC.COM

ROCKWALL COLLEGE AND CAREER ACADEMY FOR  
ROCKWALL, TEXAS  
LANDSCAPE NOTES



ISSUES/  
REVISIONS

DATE: 10/20/2016  
SCALE: AS SHOWN

SHEET No.  
**L2.1**

**LANDSCAPE TABULATIONS**

**LANDSCAPE BUFFER STRIP**  
 10' WIDE ALONG PERIMETERS OF COMMERCIAL THAT ABUTS WITHOUT ALLEY OR DRIVE SEPARATION OR IS DIRECTLY ACROSS STREET FROM RESIDENTIAL IF COMMERCIAL STRUCTURE EXCEEDS 24' ADJ. TO AN ALLEY 10' BUFFER SHALL BE REQUIRED ALONG ALLEY.  
 NORTH RESIDENTIAL BUFFER REQUIRED  
 10' BUFFER  
 10' BUFFER

**STREET LANDSCAPING**  
 10' BUFFER ALONG MAJOR ARTERIAL OR COLLECTOR, 1 L.S. TREE PER 80 LF  
 10' BUFFER ALONG MAJOR ARTERIAL OR COLLECTOR, 1 L.S. TREE PER 100 LF  
 10' BUFFER ALONG MAJOR ARTERIAL OR COLLECTOR, 1 L.S. TREE PER 120 LF  
 10' BUFFER ALONG MAJOR ARTERIAL OR COLLECTOR, 1 L.S. TREE PER 140 LF  
 10' BUFFER ALONG MAJOR ARTERIAL OR COLLECTOR, 1 L.S. TREE PER 160 LF  
 10' BUFFER ALONG MAJOR ARTERIAL OR COLLECTOR, 1 L.S. TREE PER 180 LF  
 10' BUFFER ALONG MAJOR ARTERIAL OR COLLECTOR, 1 L.S. TREE PER 200 LF

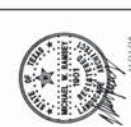
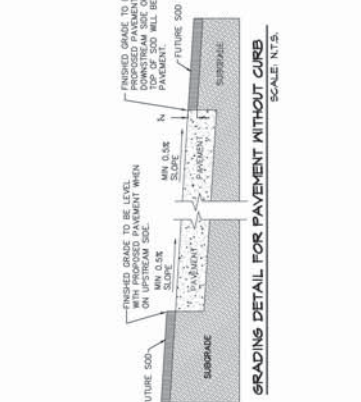
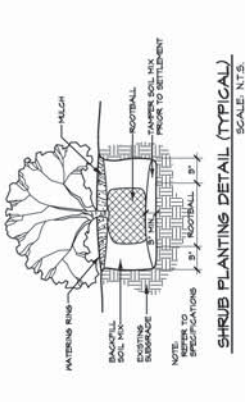
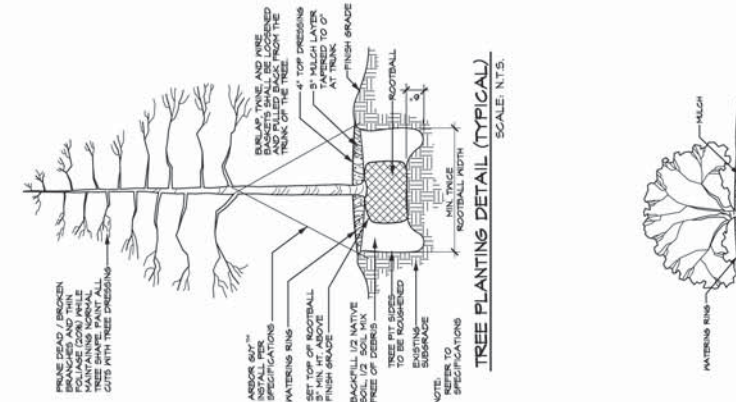
**PARKING LOT LANDSCAPING**  
 LOT WITH 2 ROWS HAVE GREATER OF 5% OR 300 SF LANDSCAPE IF LOT FRONTAGE TO ROAD IS 150 LF OR GREATER  
 1 L.S. TREE PER 10 SPACES INTERIOR TO LOT, MAX 80 LF PARKING ROW TO ROAD SPACES  
 557 SPACES  
 7,455 SF  
 14,910 SF  
 29,820 SF  
 59,640 SF  
 119,280 SF  
 238,560 SF  
 477,120 SF  
 954,240 SF  
 1,908,480 SF

**AMOUNT OF LANDSCAPING**  
 5% LANDSCAPE BY ZONING, COMMERCIAL 15% 50% LOCATED FRONT AND SIDE, DETENTION LANDSCAPED GRASSES, SHRUBS, TREES IN NATURAL MANNER, 1 TREE PER 750 SF OF DRY LAND AREA  
 SITE AREA  
 487,100 SF  
 146,130 SF  
 238,560 SF  
 248,570 SF  
 248,570 SF  
 (828) 12,600 SF  
 1 LANDSCAPE PROVIDED FRONT/SIDE  
 SITE INTERVIOUS AREA  
 350,046 SF

**205 BY-PASS CORRIDOR OVERLAY DISTRICT**  
 15' BUFFER FOR COMMERCIAL 25' RESID. 40' FROM GUAL RUN TO 205 OVERLAY LARGES TREES REQUIRED (1345 LF / 100 LF X 2 = ) 28 4" TREES  
 205 OVERLAY LARGES TREES REQUIRED (1345 LF / 100 LF X 2 = ) 28 4" TREES  
 205 OVERLAY LARGES TREES PROVIDED  
 28 4" TREES  
 205 OVERLAY ACCENT TREES PROVIDED (1345 LF / 100 LF X 4 = ) 56 4" TREES  
 205 OVERLAY ACCENT TREES PROVIDED  
 56 4" TREES

**ALL REQUIRED LANDSCAPE AREAS TO RECEIVE AUTOMATIC UNDERGROUND IRRIGATION WITH MAIN AND TREE PROTECTION TO MEET REQUIREMENTS OF UDC.**

QUANTITY	SYMBOL	CALLOUT	COMMON NAME	SCIENTIFIC NAME	SIZE & CONDITION
15	⊕	4" LIVE OAK	Live Oak	<i>Quercus virginiana</i>	4" caliper, 12'-14'-16' H, 100% spread, 80% canopy, 100% root ball, 100% root system
10	⊕	LIVE OAK	Live Oak	<i>Quercus virginiana</i>	6" caliper, 10'-12'-14' H, 100% spread, 80% canopy, 100% root ball, 100% root system
6	⊕	4" RED OAK	Shoart Red Oak	<i>Quercus shumardii</i>	4" caliper, 12'-14'-16' H, 100% spread, 80% canopy, 100% root ball, 100% root system
2	⊕	RED OAK	Shoart Red Oak	<i>Quercus shumardii</i>	6" caliper, 10'-12'-14' H, 100% spread, 80% canopy, 100% root ball, 100% root system
4	⊕	4" LACEMARK	Lacemark Elm	<i>Ulmus parvifolia</i>	4" caliper, 12'-14'-16' H, 100% spread, 80% canopy, 100% root ball, 100% root system
15	⊕	LACEMARK	Lacemark Elm	<i>Ulmus parvifolia</i>	6" caliper, 10'-12'-14' H, 100% spread, 80% canopy, 100% root ball, 100% root system
20	⊕	PISTACHIO	Chinese Pistachio	<i>Pistacia chinensis</i>	2" caliper, 12'-14'-16' H, 100% spread, 80% canopy, 100% root ball, 100% root system
6	⊕	2" PILLON	Sheep Willow	<i>Salix caprea</i>	2" caliper, 12'-14'-16' H, 100% spread, 80% canopy, 100% root ball, 100% root system
16	⊕	2" MYRTLE	Red Ironwood Orange Myrtle	<i>Leptospermum laevis</i> <i>Cordia alliodora</i>	2" caliper, 12'-14'-16' H, 100% spread, 80% canopy, 100% root ball, 100% root system
48	⊕	2" YAWON	Yapoon Holly	<i>Ilex verticillata</i>	2" caliper, 12'-14'-16' H, 100% spread, 80% canopy, 100% root ball, 100% root system
27	⊕	RED BID	Okapium Red Bid Okapium	<i>Carya carolinensis</i> <i>Quercus laevis</i>	2" caliper, 12'-14'-16' H, 100% spread, 80% canopy, 100% root ball, 100% root system



**TREES**

**SHRUBS**

**GROUND COVER**

**MISCELLANEOUS**

LANDSCAPE CONTRACTOR SHALL VERIFY ALL PLANT QUANTITIES

LANDSCAPE CONTRACTOR SHALL REPLACE ALL AREAS DISTURBED BY CONSTRUCTION WITH EQUIVALENT PLANTING PER THE SPECIFICATIONS UNLESS NOTED OTHERWISE ON THE PLANS.

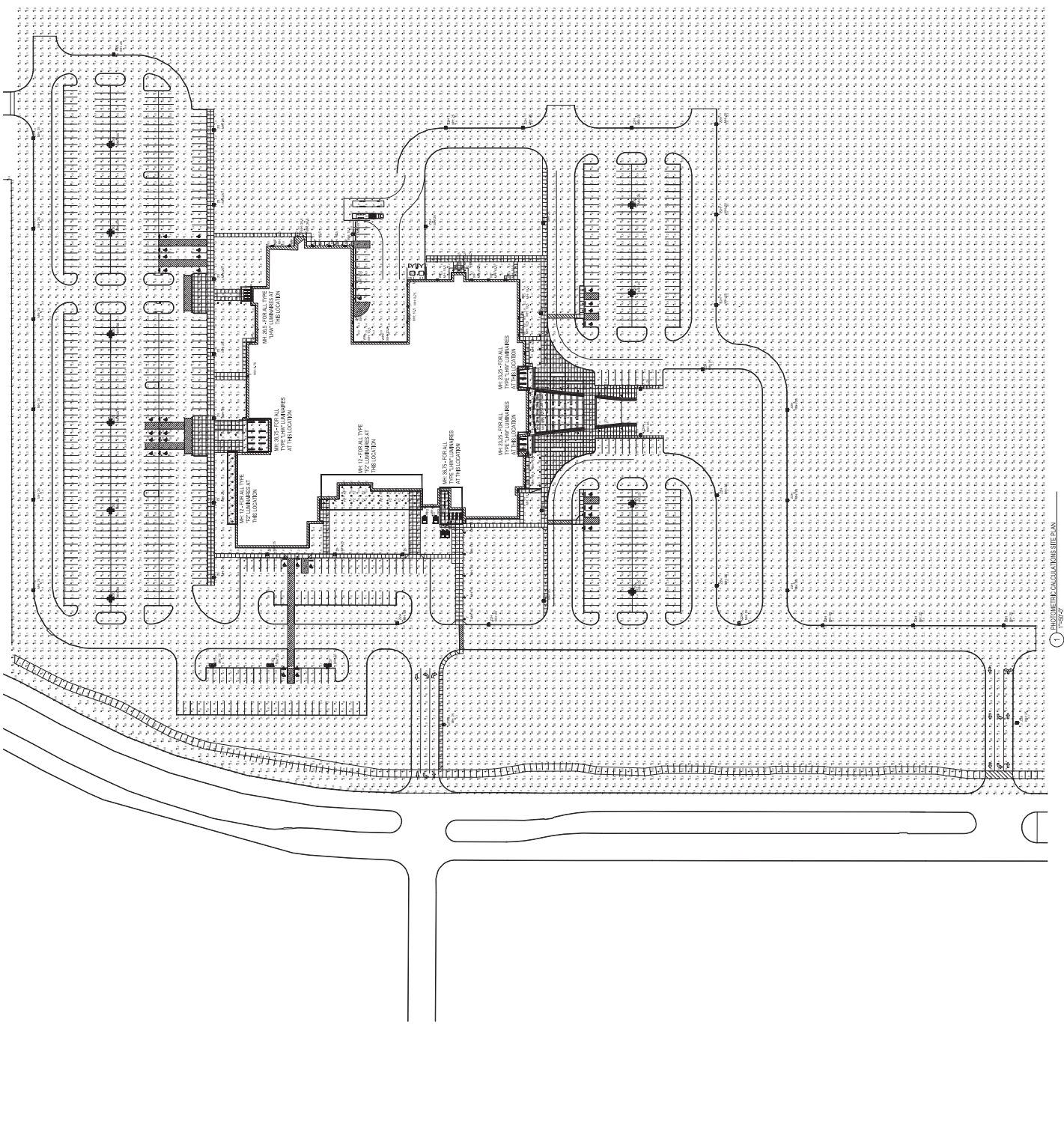
LANDSCAPE CONTRACTOR SHOULD VISIT SITE AND REFERENCE CIVIL ENGINEER'S PLANS TO VERIFY PLANTING QUANTITIES AND VERIFY AREAS TO BE DISTURBED BY CONSTRUCTION ACTIVITIES.

REFERENCE CIVIL PLANS FOR FINAL GRADINGS AND UTILITIES.



PROJECT:	PHOTOMETRIC
DATE:	11/20/21
APPENDIX #1	PHOTOMETRIC
PROJECT:	ROCKWALL COLLEGE AND CAREER ACADEMY
LOCATION:	ROCKWALL, TEXAS
SCALE:	AS SHOWN
DATE:	11/20/21
APPENDIX #1	PHOTOMETRIC

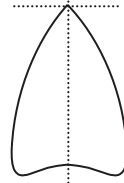
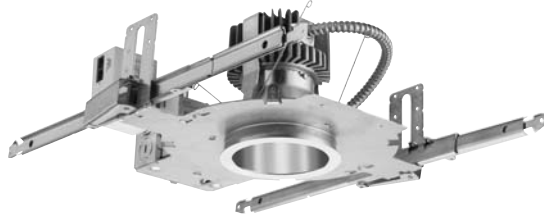
- PHOTOMETRIC CALCULATIONS GENERAL NOTES**  
(SEE NOTES AND SPECIFICATIONS)
1. THESE PLANS ARE ACCURATE AND CORRECTED TO THE DATE OF THE PERMIT. ANY CHANGES TO THE PERMIT SHALL BE THE RESPONSIBILITY OF THE SUBMITTER OF THE PLANS.
  2. ALL CALCULATIONS SHOWN ARE AT THE GROUND LEVEL AND ARE BASED ON THE DATA PROVIDED BY THE SUBMITTER.
  3. ALL CALCULATIONS HAVE BEEN PRODUCED USING LUMINOUS FLUX SOFTWARE.
  4. ALL MOUNTING HEIGHTS ARE INDICATED BY FEET.



KEY PLAN - 1ST FLOOR  
EHA Engineering and Consulting  
Tyler • Austin • Houston  
TYPE Firm Registration No. F893  
www.ehasm.com

1 PHOTOMETRIC CALCULATIONS SITE PLAN

Luminaire Type:  
Catalog Number  
(autopopulated):



Gotham Architectural Downlighting  
LED Downlights

**4" Evo®  
Downlight**

Solid-State Lighting



FEATURES

**OPTICAL SYSTEM**

- Self-flanged or flangeless semi-specular, matte-diffuse or specular finishing trim
- Patented Bounding Ray™ optical design (U.S. Patent No. 5,800,050)
- 45° cutoff to source and source image
- Top-down flash characteristic
- Polycarbonate lens integral to light engine

**MECHANICAL SYSTEM**

- 16-gauge galvanized steel construction; maximum 1-1/2" ceiling thickness
- Telescopic mounting bars maximum of 32" and minimum of 15", preinstalled, 4" vertical adjustment
- Toolless adjustments post installation
- Junction box capacity: 8 (4 in, 4 out ) 12AWG rated for 90°C
- Light engine and driver accessible through aperture
- Injection molded mud ring included with flangeless trims. Ships separately. Installs independently of the mounting frame to reduce cracks in plaster due to vibration.

**ELECTRICAL SYSTEM**

- Fully serviceable and upgradeable lensed LED light engine
- 70% lumen maintenance at 60,000 hours
- Tested according to LM-79 and LM-80 standards
- Overload and short circuit protected
- 2.5 SDCM; 85 CRI typical, 90+ CRI optional

**LISTINGS**

- Fixtures are CSA certified to meet US and Canadian standards; wet location, covered ceiling

**WARRANTY**

- 5-year limited warranty. Complete warranty terms located at: [www.acuitybrands.com/CustomerResources/Terms\\_and\\_conditions.aspx](http://www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx)

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.

ORDERING INFORMATION



A+ Capable options indicated by this color background.

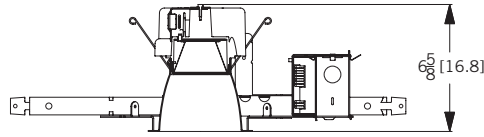
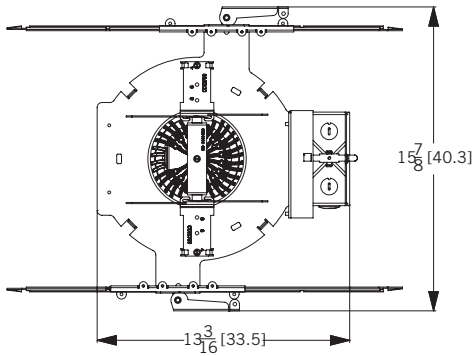
EXAMPLE: EVO 35/10 4AR MWD LSS MVOLT EZ1

Series	Color temperature	Nominal lumen values	Aperture/Trim color	Trim Style	Distribution	Finish	Voltage
<b>EVO</b>	27/ 2700 K 30/ 3000 K 35/ 3500 K 40/ 4000 K	07 750 lumens 10 1000 lumens 15 1500 lumens 20 2000 lumens 25 2500 lumens 30 3000 lumens	4AR Clear 4PR Pewter 4WTR Wheat 4GR Gold 4WR <sup>1</sup> White 4BR <sup>1</sup> Black 4WRAMF <sup>1</sup> White anti-microbial	(blank) Self-flanged FL Flangeless	MD Medium (0.9 s/mh) MWD Medium wide (1.0 s/mh) WD Wide (1.2 s/mh)	LSS Semi-specular LD Matte-diffuse LS Specular	MVOLT 120 277 347 <sup>2</sup>

Driver <sup>3</sup>	Options
<b>EZ10</b> eldoLED 0-10V ECOdrive. Linear dimming to 10% min.	<b>SF</b> Single fuse. Specify 120V or 277V.
<b>EZ1</b> eldoLED 0-10V ECOdrive. Linear dimming to 1% min.	<b>TRW<sup>6</sup></b> White painted flange
<b>EZB</b> eldoLED 0-10V SOLOdrive. Logarithmic dimming to <1%.	<b>TRBL<sup>7</sup></b> Black painted flange
<b>EDAB</b> eldoLED SOLOdrive DALI. Logarithmic dimming to <1%.	<b>EL<sup>8</sup></b> Emergency battery pack with integral test switch
<b>EDXB</b> eldoLED POWERdrive DMX with RDM (remote device management). Square Law dimming to <1%. Includes termination resistor. Refer to <a href="#">DMXR Manual</a> .	<b>ELR<sup>8</sup></b> Emergency battery pack with remote test switch
<b>EXA1</b> XPoint Wireless, eldoLED 0-10V ECOdrive. Linear dimming to 1%. Refer to XPoint tech sheet.	<b>NPS80EZ<sup>5</sup></b> nLight® dimming pack controls 0-10V eldoLED drivers.
<b>EXAB</b> XPoint Wireless, eldoLED 0-10V SOLOdrive. Logarithmic dimming to <1%. Refer to XPoint tech sheet.	<b>NPS80EZER<sup>5,9</sup></b> nLight® dimming pack controls 0-10V eldoLED drivers. ER controls fixtures on emergency circuit.
<b>ECOS2<sup>4,5</sup></b> Lutron® Hi-Lume® 2-wire forward-phase driver. Minimum dimming level 1%. Minimum lumen 1000/Maximum lumen 3000.	<b>BGTD</b> Bodine generator transfer device. Specify 120V or 277V.
<b>ECOS3<sup>4,5</sup></b> Lutron® Hi-Lume® 3-wire or EcoSystem® dimming driver. Minimum dimming level 1%. Minimum lumen 1000/Maximum lumen 4500.	<b>CR190</b> High CRI (90+). Specify 120V or 277V.
	<b>CP<sup>10</sup></b> Chicago plenum
	<b>RRL</b> RELOC®-ready luminaire connectors enable a simple and consistent factory installed option across all ABL luminaire brands. Refer to <a href="#">RRL</a> for complete nomenclature.

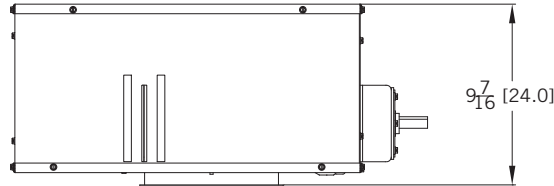
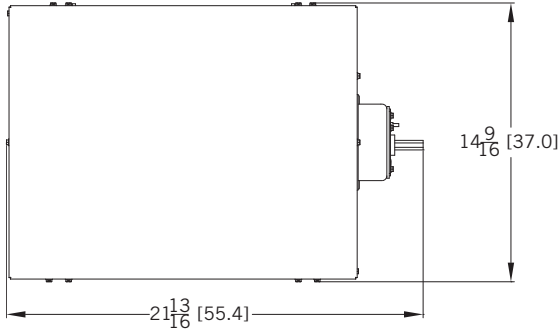
DIMENSIONAL DATA

All dimensions are inches (centimeters) unless otherwise noted.



Aperture: 4-5/16" (11)  
 Ceiling Opening: 5-1/8" (13) self-flanged  
 5-1/4" (13.3) flangeless  
 Overlap trim: 5-7/16" (13.8)

**DIMENSIONS FOR CHICAGO PLENUM**



ELECTRICAL

WATTAGE CONSUMPTION MATRIX			
LUMENS	LM ACTUAL	WATTAGE	LUMENS per WATT
750	849	10.3	82.4
1000	1,189	12.8	92.9
1500	1,509	17.3	87.2
2000	2,109	23.5	89.6
2500	2,576	28.9	89.1
3000	3,112	36.9	84.3

EMERGENCY LUMEN OUTPUT		
LUMENS	WATTAGE	INITIAL OUTPUT
750	9.6	1000
1000	9.6	1000
1500	9.6	1000
2000	9.6	1000
2500	9.6	1000
3000	9.6	1000

ACCESSORIES

ACCESSORIES order as separate catalog numbers (shipped separately)

- SCA4** Sloped ceiling adapter. Degree of slope must be specified (5D, 10D, 15D, 20D, 25D, 30D). Ex: SCA4 10D. Refer to [TECH-190](#).
- CTA4-8 YK** Ceiling thickness adapter (extends mounting frame to accommodate ceiling thickness up to 5"). Adds ~4" to fixture height.
- ISD BC** 0-10V wallbox dimmer. Refer to [ISD-BC](#).

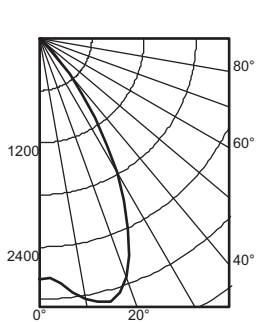
NOTES

**ORDERING NOTES**

1. Not available with finishes.
2. Not available with EL or ELR options.
3. Refer to [TECH-240](#) for compatible dimmers.
4. Not available with nLight® and XPoint options.
5. Specify voltage. ECOS2 not available in 277V.
6. Not available with white reflector. Not applicable with FL option.
7. Not available with black reflector. Not applicable with FL option.
8. For dimensional changes, refer to [TECH-140](#). Access above ceiling required. Not available with 347V.
9. For use with generator supply EM power. Will require an emergency hot feed and normal hot feed.
10. ELR not available. CP, ECOS2/ECOS3 with EL-2000 lumen max.

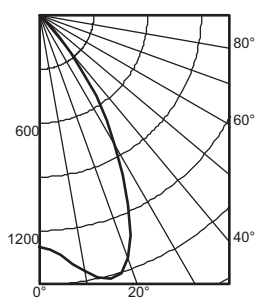
Distribution Curve      Distribution Data      Output Data      Coefficient of Utilization      Illuminance: Single Luminaire 30" Above Floor

**EVO 35/30 4AR LS**      INPUT WATTS: 36.9, DELIVERED LUMENS: 3112, LM/W=84.3 , 1.07 S/MH, TEST NO. LTL27791



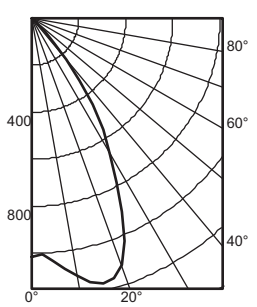
Ave	Lumens	Zone	Lumens	% Lamp	pf pc pw	80%			20%			50%		
						50%	30%	10%	50%	30%	10%	50%	30%	10%
0	2763	0° - 30°	2236.6	71.9	0	119	119	119	116	116	116	111	111	111
5	2824	0° - 40°	2930.3	94.2	1	111	108	106	109	106	104	105	103	101
15	3133	0° - 60°	3106.1	99.8	2	103	99	96	101	98	95	98	95	93
25	2417	0° - 90°	3111.9	100.0	3	96	91	87	95	90	87	92	88	85
35	1117	90° - 120°	0.0	0.0	4	90	84	80	89	84	80	87	82	79
45	186	90° - 130°	0.0	0.0	5	84	78	74	83	78	74	81	77	73
55	6	90° - 150°	0.0	0.0	6	79	73	69	78	72	68	77	72	68
65	2	90° - 180°	0.0	0.0	7	74	68	64	73	68	64	72	67	63
75	3	0° - 180°	3111.9	*100.0	8	70	64	60	69	63	59	68	63	59
85	2				9	66	60	56	65	60	56	64	59	55
90	0				10	62	56	52	62	56	52	61	56	52

**EVO 35/15 4AR LS**      INPUT WATTS: 17.3, DELIVERED LUMENS: 1509, LM/W=87.2, 1.08 S/MH, TEST NO. LTL27786



Ave	Lumens	Zone	Lumens	% Lamp	pf pc pw	80%			20%			50%		
						50%	30%	10%	50%	30%	10%	50%	30%	10%
0	1290	0° - 30°	1081.0	71.6	0	119	119	119	116	116	116	111	111	111
5	1338	0° - 40°	1419.3	94.0	1	111	108	106	109	106	104	105	103	101
15	1521	0° - 60°	1507.8	99.9	2	103	99	96	101	98	95	98	95	93
25	1167	0° - 90°	1509.3	100.0	3	96	91	87	95	90	87	92	88	85
35	546	90° - 180°	0.0	0.0	4	90	84	80	89	84	80	87	82	79
45	92	0° - 180°	1509.3	*100.0	5	84	78	74	83	78	74	81	77	73
55	2				6	79	73	69	78	72	68	76	72	68
65	1				7	74	68	64	73	68	64	72	67	63
75	0				8	70	64	59	69	63	59	68	63	59
85	0				9	66	60	56	65	59	56	64	59	55
90	0				10	62	56	52	61	56	52	61	56	52

**EVO 35/10 4AR LS**      INPUT WATTS: 12.8, DELIVERED LUMENS: 1189, LM/W=92.9, 1.08 S/MH, TEST NO. LTL27785



Ave	Lumens	Zone	Lumens	% Lamp	pf pc pw	80%			20%			50%		
						50%	30%	10%	50%	30%	10%	50%	30%	10%
0	1012	0° - 30°	838.3	70.5	0	119	119	119	116	116	116	111	111	111
5	1035	0° - 40°	1114.0	93.7	1	111	108	106	109	106	104	105	103	101
15	1169	0° - 60°	1188.4	99.9	2	103	99	96	101	98	95	98	95	92
25	910	0° - 90°	1189.3	100.0	3	96	91	87	95	90	86	92	88	85
35	449	90° - 180°	0.0	0.0	4	90	84	80	88	83	79	86	82	78
45	80	0° - 180°	1189.3	*100.0	5	84	78	74	83	77	73	81	76	73
55	2				6	78	72	68	78	72	68	76	71	67
65	2				7	74	68	63	73	67	63	72	67	63
75	0				8	69	63	59	69	63	59	68	62	59
85	0				9	65	59	55	65	59	55	64	59	55
90	0				10	61	56	52	61	55	52	60	55	51

LUMEN OUTPUT MULTIPLIER - CRI	
CRI	FACTOR
80 CRI	1
90 CRI	0.79

LUMEN OUTPUT MULTIPLIER - CCT	
CRI	FACTOR
4000 K	1.035
3500 K	1
3000 K	0.973
2700 K	0.938

LUMEN OUTPUT MULTIPLIER - TRIM FINISH						
FINISH	CLEAR (AR)	PEWTER (PR)	WHEAT (WTR)	GOLD (GR)	WHITE (WR/WRAF)	BLACK (BR)
Specular (LS)	1.00	0.88	0.83	0.95	N/A	N/A
Semi-specular (LSS)	0.95	0.84	0.79	0.90	N/A	N/A
Matte-diffuse (LD)	0.85	0.73	0.69	0.80	N/A	N/A
Paint	N/A	N/A	N/A	N/A	0.87	0.73

**PHOTOMETRY NOTES**

- Tested in accordance with IESNA LM-79-08.
- Tested to current IES and NEMA standards under stabilized laboratory conditions.
- CRI: 85 typical.

**Choose Wall Controls.**

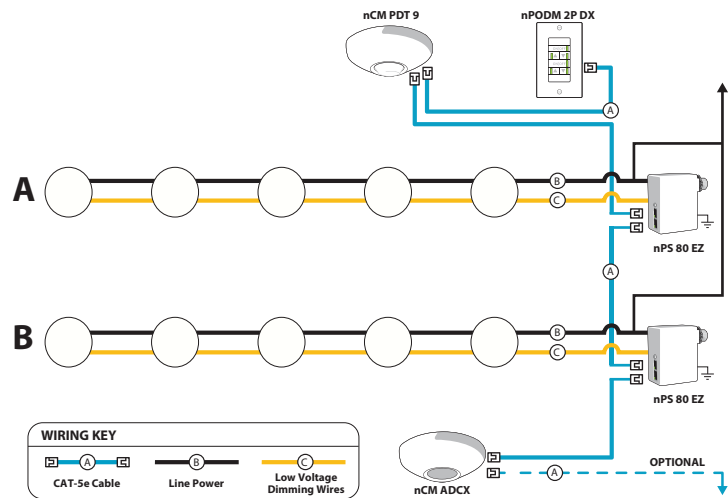
nLIGHT offers multiple styles of wall controls – each with varying features and user experience.



**Push-Button WallPod**  
Traditional tactile buttons and LED user feedback



**Graphic WallPod**  
Full color touch screen provides a sophisticated look and feel



**EXAMPLE**

Group Fixture Control\*

\*Application diagram applies for fixtures with eldoLED drivers only.

- nPS 80 EZ** Dimming/Control Pack (qty 2 required)
- nPODM 2P DX** Dual On/Off/Dim Push-Button WallPod
- nCM ADCX** Daylight Sensor with Automatic Dimming Control
- nCM PDT 9** Dual Technology Occupancy Sensor

**Description:** This design provides a dual on/off/dim wall station that enables manual control of the fixtures in Row A and Row B separately. Additionally, a daylight harvesting sensor is provided so the lights in row B can be configured to dim automatically when daylight is available. An occupancy sensor turns off all lights when the space is vacant.

nLight® Control Accessories:			
Order as separate catalog number. Visit <a href="http://www.sensorswitch.com/nLight">www.sensorswitch.com/nLight</a> for complete listing of nLight controls.			
<b>WallPod stations</b>	<b>Model number</b>	<b>Occupancy sensors</b>	<b>Model number</b>
On/Off	nPODM [color]	Small motion 360°, ceiling (PIR / dual tech)	nCM 9 / nCM PDT 9
On/Off & Raise/Lower	nPODM DX [color]	Large motion 360°, ceiling (PIR / dual tech)	nCM 10 / nCM PDT 10
Graphic Touchscreen	nPOD GFX [color]	Wide view (PIR / dual tech)	nWV 16 / nWV PDT 16
<b>Photocell controls</b>	<b>Model number</b>	Wall Switch w/ Raise/Lower (PIR / dual tech)	nWSX LV DX / nWSX PDT LV DX
Dimming	nCM ADCX	<b>Cat-5 cables (plenum rated)</b>	<b>Model number</b>
		10', CAT5 10FT	CAT5 10FT J1
		15', CAT5 15FT	CAT5 15FT J1

**A+ Capable Luminaire**

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning.

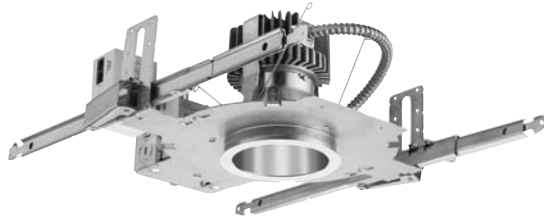
- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is part of an A+ Certified solution for nLight® control networks when ordered with drivers marked by a shaded background\*
- This luminaire is part of an A+ Certified solution for nLight control networks, providing advanced control functionality at the luminaire level, when selection includes driver and control options marked by a shaded background\*

To learn more about A+, visit [www.acuitybrands.com/aplus](http://www.acuitybrands.com/aplus).

\*See ordering tree for details



Luminaire Type:  
Catalog Number  
(autopopulated):



Gotham Architectural Downlighting  
LED Downlights

**4" Evo®  
Downlight**

Solid-State Lighting



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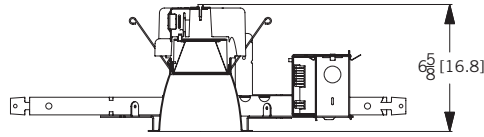
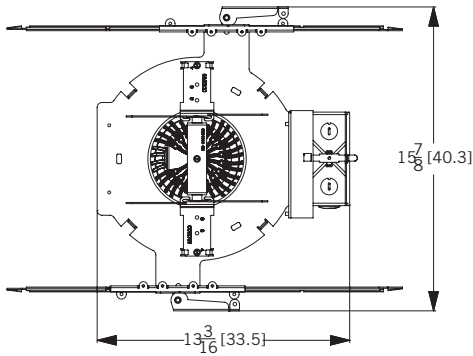
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Driver <sup>3</sup>	Options
<b>EZ10</b> eldoLED 0-10V ECOdrive. Linear dimming to 10% min.	<b>SF</b> Single fuse. Specify 120V or 277V.
<b>EZ1</b> eldoLED 0-10V ECOdrive. Linear dimming to 1% min.	<b>TRW<sup>6</sup></b> White painted flange
<b>EZB</b> eldoLED 0-10V SOLOdrive. Logarithmic dimming to <1%.	<b>TRBL<sup>7</sup></b> Black painted flange
<b>EDAB</b> eldoLED SOLOdrive DALI. Logarithmic dimming to <1%.	<b>EL<sup>8</sup></b> Emergency battery pack with integral test switch
<b>EDXB</b> eldoLED POWERdrive DMX with RDM (remote device management). Square Law dimming to <1%. Includes termination resistor. Refer to <a href="#">DMXR Manual</a> .	<b>ELR<sup>8</sup></b> Emergency battery pack with remote test switch
<b>EXA1</b> XPoint Wireless, eldoLED 0-10V ECOdrive. Linear dimming to 1%. Refer to XPoint tech sheet.	<b>NPS80EZ<sup>5</sup></b> nLight® dimming pack controls 0-10V eldoLED drivers.
<b>EXAB</b> XPoint Wireless, eldoLED 0-10V SOLOdrive. Logarithmic dimming to <1%. Refer to XPoint tech sheet.	<b>NPS80EZER<sup>5,9</sup></b> nLight® dimming pack controls 0-10V eldoLED drivers. ER controls fixtures on emergency circuit.
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<b>ECOS3<sup>4,5</sup></b> Lutron® Hi-Lume® 3-wire or EcoSystem® dimming driver. Minimum dimming level 1%. Minimum lumen 1000/Maximum lumen 4500.	<b>CR190</b> High CRI (90+). Specify 120V or 277V.
	<b>CP<sup>10</sup></b> Chicago plenum
	<b>RRL</b> RELOC®-ready luminaire connectors enable a simple and consistent factory installed option across all ABL luminaire brands. Refer to <a href="#">RRL</a> for complete nomenclature.

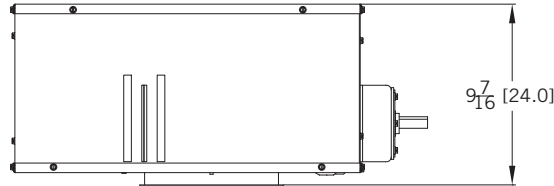
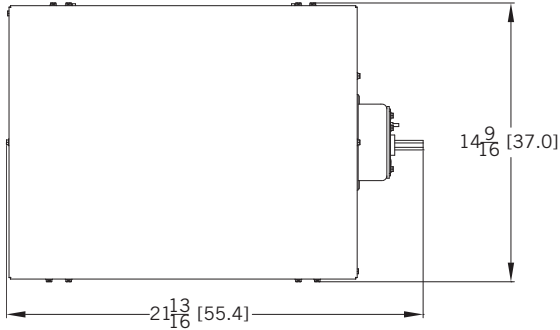
DIMENSIONAL DATA

All dimensions are inches (centimeters) unless otherwise noted.



Aperture: 4-5/16" (11)  
 Ceiling Opening: 5-1/8" (13) self-flanged  
 5-1/4" (13.3) flangeless  
 Overlap trim: 5-7/16" (13.8)

**DIMENSIONS FOR CHICAGO PLENUM**



ELECTRICAL

WATTAGE CONSUMPTION MATRIX			
LUMENS	LM ACTUAL	WATTAGE	LUMENS per WATT
750	849	10.3	82.4
1000	1,189	12.8	92.9
1500	1,509	17.3	87.2
2000	2,109	23.5	89.6
2500	2,576	28.9	89.1
3000	3,112	36.9	84.3

EMERGENCY LUMEN OUTPUT		
LUMENS	WATTAGE	INITIAL OUTPUT
750	9.6	1000
1000	9.6	1000
1500	9.6	1000
2000	9.6	1000
2500	9.6	1000
3000	9.6	1000

ACCESSORIES

ACCESSORIES order as separate catalog numbers (shipped separately)

- SCA4** Sloped ceiling adapter. Degree of slope must be specified (5D, 10D, 15D, 20D, 25D, 30D). Ex: SCA4 10D. Refer to [TECH-190](#).
- CTA4-8 YK** Ceiling thickness adapter (extends mounting frame to accommodate ceiling thickness up to 5"). Adds ~4" to fixture height.
- ISD BC** 0-10V wallbox dimmer. Refer to [ISD-BC](#).

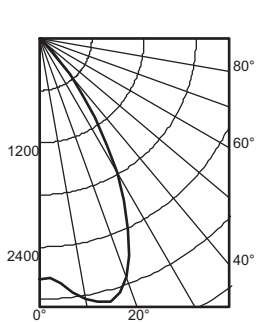
NOTES

**ORDERING NOTES**

1. Not available with finishes.
2. Not available with EL or ELR options.
3. Refer to [TECH-240](#) for compatible dimmers.
4. Not available with nLight® and XPoint options.
5. Specify voltage. ECOS2 not available in 277V.
6. Not available with white reflector. Not applicable with FL option.
7. Not available with black reflector. Not applicable with FL option.
8. For dimensional changes, refer to [TECH-140](#). Access above ceiling required. Not available with 347V.
9. For use with generator supply EM power. Will require an emergency hot feed and normal hot feed.
10. ELR not available. CP, ECOS2/ECOS3 with EL-2000 lumen max.

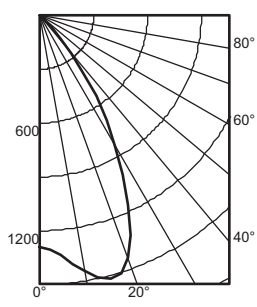
Distribution Curve      Distribution Data      Output Data      Coefficient of Utilization      Illuminance: Single Luminaire 30" Above Floor

**EVO 35/30 4AR LS**      INPUT WATTS: 36.9, DELIVERED LUMENS: 3112, LM/W=84.3 , 1.07 S/MH, TEST NO. LTL27791



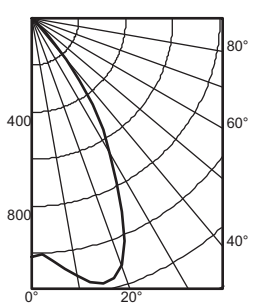
Ave	Lumens	Zone	Lumens	% Lamp	pf pc pw	80%			20%			50%		
						50%	30%	10%	50%	30%	10%	50%	30%	10%
0	2763	0° - 30°	2236.6	71.9	0	119	119	119	116	116	116	111	111	111
5	2824	0° - 40°	2930.3	94.2	1	111	108	106	109	106	104	105	103	101
15	3133	0° - 60°	3106.1	99.8	2	103	99	96	101	98	95	98	95	93
25	2417	0° - 90°	3111.9	100.0	3	96	91	87	95	90	87	92	88	85
35	1117	90° - 120°	0.0	0.0	4	90	84	80	89	84	80	87	82	79
45	186	90° - 130°	0.0	0.0	5	84	78	74	83	78	74	81	77	73
55	6	90° - 150°	0.0	0.0	6	79	73	69	78	72	68	77	72	68
65	2	90° - 180°	0.0	0.0	7	74	68	64	73	68	64	72	67	63
75	3	0° - 180°	3111.9	*100.0	8	70	64	60	69	63	59	68	63	59
85	2				9	66	60	56	65	60	56	64	59	55
90	0				10	62	56	52	62	56	52	61	56	52

**EVO 35/15 4AR LS**      INPUT WATTS: 17.3, DELIVERED LUMENS: 1509, LM/W=87.2, 1.08 S/MH, TEST NO. LTL27786



Ave	Lumens	Zone	Lumens	% Lamp	pf pc pw	80%			20%			50%		
						50%	30%	10%	50%	30%	10%	50%	30%	10%
0	1290	0° - 30°	1081.0	71.6	0	119	119	119	116	116	116	111	111	111
5	1338	0° - 40°	1419.3	94.0	1	111	108	106	109	106	104	105	103	101
15	1521	0° - 60°	1507.8	99.9	2	103	99	96	101	98	95	98	95	93
25	1167	0° - 90°	1509.3	100.0	3	96	91	87	95	90	87	92	88	85
35	546	90° - 180°	0.0	0.0	4	90	84	80	89	84	80	87	82	79
45	92	0° - 180°	1509.3	*100.0	5	84	78	74	83	78	74	81	77	73
55	2				6	79	73	69	78	72	68	76	72	68
65	1				7	74	68	64	73	68	64	72	67	63
75	0				8	70	64	59	69	63	59	68	63	59
85	0				9	66	60	56	65	59	56	64	59	55
90	0				10	62	56	52	61	56	52	61	56	52

**EVO 35/10 4AR LS**      INPUT WATTS: 12.8, DELIVERED LUMENS: 1189, LM/W=92.9, 1.08 S/MH, TEST NO. LTL27785



Ave	Lumens	Zone	Lumens	% Lamp	pf pc pw	80%			20%			50%		
						50%	30%	10%	50%	30%	10%	50%	30%	10%
0	1012	0° - 30°	838.3	70.5	0	119	119	119	116	116	116	111	111	111
5	1035	0° - 40°	1114.0	93.7	1	111	108	106	109	106	104	105	103	101
15	1169	0° - 60°	1188.4	99.9	2	103	99	96	101	98	95	98	95	92
25	910	0° - 90°	1189.3	100.0	3	96	91	87	95	90	86	92	88	85
35	449	90° - 180°	0.0	0.0	4	90	84	80	88	83	79	86	82	78
45	80	0° - 180°	1189.3	*100.0	5	84	78	74	83	77	73	81	76	73
55	2				6	78	72	68	78	72	68	76	71	67
65	2				7	74	68	63	73	67	63	72	67	63
75	0				8	69	63	59	69	63	59	68	62	59
85	0				9	65	59	55	65	59	55	64	59	55
90	0				10	61	56	52	61	55	52	60	55	51

LUMEN OUTPUT MULTIPLIER - CRI		LUMEN OUTPUT MULTIPLIER - CCT		LUMEN OUTPUT MULTIPLIER - TRIM FINISH						
CRI	FACTOR	CRI	FACTOR	FINISH	CLEAR (AR)	PEWTER (PR)	WHEAT (WTR)	GOLD (GR)	WHITE (WR/WRAF)	BLACK (BR)
80 CRI	1	4000 K	1.035	Specular (LS)	1.00	0.88	0.83	0.95	N/A	N/A
90 CRI	0.79	3500 K	1	Semi-specular (LSS)	0.95	0.84	0.79	0.90	N/A	N/A
		3000 K	0.973	Matte-diffuse (LD)	0.85	0.73	0.69	0.80	N/A	N/A
		2700 K	0.938	Paint	N/A	N/A	N/A	N/A	0.87	0.73

**PHOTOMETRY NOTES**

- Tested in accordance with IESNA LM-79-08.
- Tested to current IES and NEMA standards under stabilized laboratory conditions.
- CRI: 85 typical.

**Choose Wall Controls.**

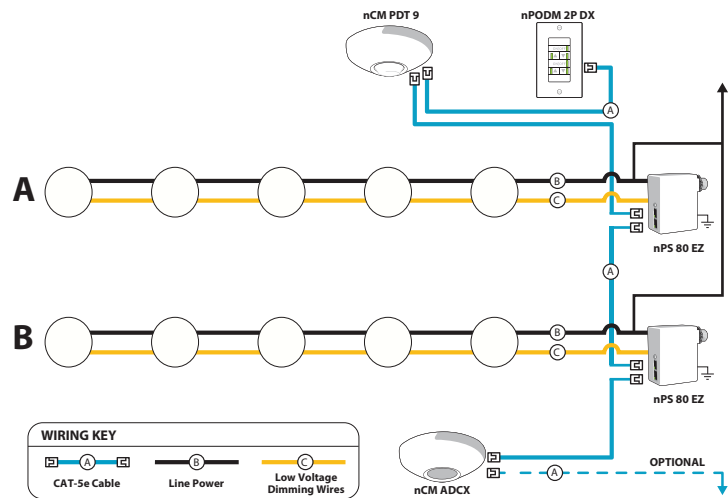
nLIGHT offers multiple styles of wall controls – each with varying features and user experience.



**Push-Button WallPod**  
Traditional tactile buttons and LED user feedback



**Graphic WallPod**  
Full color touch screen provides a sophisticated look and feel



**EXAMPLE**

Group Fixture Control\*

\*Application diagram applies for fixtures with eldoLED drivers only.

- nPS 80 EZ** Dimming/Control Pack (qty 2 required)
- nPODM 2P DX** Dual On/Off/Dim Push-Button WallPod
- nCM ADCX** Daylight Sensor with Automatic Dimming Control
- nCM PDT 9** Dual Technology Occupancy Sensor

**Description:** This design provides a dual on/off/dim wall station that enables manual control of the fixtures in Row A and Row B separately. Additionally, a daylight harvesting sensor is provided so the lights in row B can be configured to dim automatically when daylight is available. An occupancy sensor turns off all lights when the space is vacant.

nLight® Control Accessories:			
Order as separate catalog number. Visit <a href="http://www.sensorswitch.com/nLight">www.sensorswitch.com/nLight</a> for complete listing of nLight controls.			
<b>WallPod stations</b>	<b>Model number</b>	<b>Occupancy sensors</b>	<b>Model number</b>
On/Off	nPODM [color]	Small motion 360°, ceiling (PIR / dual tech)	nCM 9 / nCM PDT 9
On/Off & Raise/Lower	nPODM DX [color]	Large motion 360°, ceiling (PIR / dual tech)	nCM 10 / nCM PDT 10
Graphic Touchscreen	nPOD GFX [color]	Wide view (PIR / dual tech)	nWV 16 / nWV PDT 16
<b>Photocell controls</b>	<b>Model number</b>	Wall Switch w/ Raise/Lower (PIR / dual tech)	nWSX LV DX / nWSX PDT LV DX
Dimming	nCM ADCX	<b>Cat-5 cables (plenum rated)</b>	<b>Model number</b>
		10', CAT5 10FT	CAT5 10FT J1
		15', CAT5 15FT	CAT5 15FT J1

**A+ Capable Luminaire**

This item is an A+ capable luminaire, which has been designed and tested to provide consistent color appearance and out-of-the-box control compatibility with simple commissioning.

- All configurations of this luminaire meet the Acuity Brands' specification for chromatic consistency
- This luminaire is part of an A+ Certified solution for nLight® control networks when ordered with drivers marked by a shaded background\*
- This luminaire is part of an A+ Certified solution for nLight control networks, providing advanced control functionality at the luminaire level, when selection includes driver and control options marked by a shaded background\*

To learn more about A+, visit [www.acuitybrands.com/aplus](http://www.acuitybrands.com/aplus).

\*See ordering tree for details



d<sup>3</sup>series

# D-Series Size 1 LED Flood Luminaire



Catalog  
Number

**TYPE: FP**

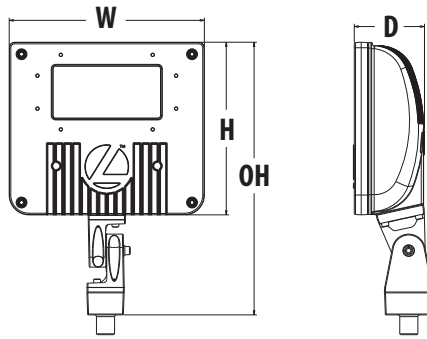
Notes

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Hit the Tab key or mouse over the page to see all interactive elements.

## Specifications

<b>EPA:</b>	0.6 ft <sup>2</sup> (0.05 m <sup>2</sup> )
<b>Depth:</b>	3-1/8" (8.0 cm)
<b>Width:</b>	8-7/8" (22.4 cm)
<b>Height:</b>	7-3/4" (19.8 cm)
<b>Overall Height:</b>	12" (30.5 cm)
<b>Weight:</b>	7.2 lbs (3.3 kg)



## Introduction

The D-Series Size 1 Flood features precision optics to beautifully illuminate a variety of applications while its sleek, compact styling blends seamlessly with the environment.

The D-Series Flood reflector systems and cutting-edge chip-on-board LED technology produce excellent uniformity combined with precision beam patterns for minimal spill light and incredible photometric performance. It's the ideal long-life replacement for 70 - 150W metal halide floods, with typical energy savings of 72% and expected service life of over 100,000 hours.

## Ordering Information

**EXAMPLE:** DSXF1 LED P1 40K MSP MVOLT THK DDBXD

Series	Performance Package	Color Temperature	Distribution	Voltage	Mounting	Options	Finish (required)
DSXF1 LED	P1 P2	30K 3000K	NSP Narrow spot	MVOLT <sup>1</sup>	<b>Shipped included</b> THK Knuckle with 1/2" NPS threaded pipe IS Integral slipfitter (fits 2-3/8" O.D. tenon) YKC62 Yoke with 16-3 SO cord <b>Shipped separately<sup>2</sup></b> DSXF1/2TS Tenon slipfitter (2-3/8" O.D. THK required) FTS CG6 Tenon Slipfitter (fits 2-3/8" to 2-7/8" O.D. tenon. YKC62 required)	<b>Shipped installed</b> PE Photocontrol, button style <sup>3,4</sup> PEX Photocontrol external threaded adjustable <sup>4</sup> SF Single fuse (120, 277, 347V) <sup>4,5</sup> DF Double fuse (208, 240) <sup>6</sup> DMG 0-10V dimming driver (no controls) <sup>5</sup> <b>Shipped separately<sup>2</sup></b> UBV Upper/bottom visor (universal) FV Full visor VG Vandal guard	DDBXD Dark bronze
		40K 4000K	MSP Medium spot	120 <sup>1</sup>			DBLXD Black
		50K 5000K	MFL Medium flood	208 <sup>1</sup>			DNAXD Natural aluminum
			FL Flood	240 <sup>1</sup>			DWHXD White
			WFL Wide flood	277 <sup>1</sup>			
			WFR Wide flood, rectangular	347			
			HMF Horizontal flood				

## Accessories

Ordered and shipped separately.

DSXF1/2TS DDBXD U	Slipfitter for 1-1/4" to 2-3/8" O.D. tenons; mates with 1/2" threaded knuckle (specify finish)
FRWB DDBXD U	Radius wall bracket, 2-3/8" O.D. tenon (specify finish)
FSPB DDBXD U	Steel square pole bracket, 2-3/8" O.D. tenon (specify finish)
DSXF1UBV DDBXD U	Upper/bottom visor accessory (specify finish)
DSXF1FV DDBXD U	Full visor accessory (specify finish)
DSXF1VG U	Vandal guard accessory

For more mounting options, visit our Floodlighting Accessories pages.

Stock configurations are offered for shorter lead times:

Standard Part Number	Stock Part Number
DSXF1 LED P1 50K WFL MVOLT THK DDBXD	DSXF1 LED P1 50K
DSXF1 LED P1 40K WFL MVOLT THK DDBXD	DSXF1 LED P1 40K
DSXF1 LED P2 50K WFL MVOLT THK DDBXD	DSXF1 LED P2 50K
DSXF1 LED P2 40K WFL MVOLT THK DDBXD	DSXF1 LED P2 40K

## NOTES

- MVOLT driver operates on line voltage from 120-277V. Specify voltage when ordering with fusing (SF, DF) or photo control (PE, PEX).
- Also available as accessories; see Accessories information at left.
- Rated 25C maximum ambient for performance package P2. Specify PEX for higher ambient temperatures.
- Photocontrol (PE, PEX) requires 120, 208, 240, 277 or 347 voltage option.
- Must specify 120, 277 or 347 voltage option.
- Must specify 208 or 240 voltage option.



# Performance Data

## Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Actual performance may differ as a result of end-user environment and application. Actual wattage may differ by +/- 8% when operating between 120-480V +/- 10%. Contact factory for performance data on any configurations not shown here.

Performance Package	System Watts	Dist. Type	Field Angle				30K (3000K, 70 CRI)			40K (4000K, 70 CRI)			50K (5000K, 70 CRI)		
			°H		°V		Max Cd	Lumens	LPW	Max Cd	Lumens	LPW	Max Cd	Lumens	LPW
			°H	°V	°H	°V									
P1	21W	NSP	37	38	18	19	16,316	2,601	124	18,039	2,876	137	18,039	2,876	137
		MSP	51	51	27	28	9,908	2,578	123	10,954	2,850	136	10,954	2,850	136
		MFL	60	60	46	45	4,027	2,435	116	4,452	2,692	128	4,452	2,692	128
		FL	84	91	59	72	2,255	2,682	128	2,494	2,965	141	2,494	2,965	141
		WFL	109	101	86	85	1,494	2,766	132	1,652	3,058	146	1,652	3,058	146
		WFR	103	92	80	71	1,809	2,794	133	2,000	3,089	147	2,000	3,089	147
		HMF	124	63	100	48	2,001	2,329	111	2,212	2,575	123	2,212	2,575	123
P2	42W	NSP	37	38	18	19	29,740	4,741	113	32,881	5,242	125	32,881	5,242	125
		MSP	51	51	27	28	18,060	4,699	112	19,967	5,195	124	19,967	5,195	124
		MFL	60	50	46	45	7,340	4,439	106	8,115	4,908	117	8,115	4,908	117
		FL	84	91	59	72	4,111	4,889	116	4,545	5,406	129	4,545	5,406	129
		WFL	109	101	86	85	2,568	4,753	113	3,011	5,573	133	3,011	5,579	133
		WFR	103	92	80	71	3,297	5,094	121	3,645	5,631	134	3,645	5,632	134
		HMF	124	63	100	48	3,647	4,245	101	4,032	4,693	112	4,032	4,693	112

## Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient	
0°C	32°F
10°C	50°F
20°C	68°F
25°C	77°F
30°C	86°F
40°C	104°F

## Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the **DSXF1 LED P2** platform noted in a 25C ambient, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours. For other lumen maintenance values, contact factory.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	0.97	0.96	0.95

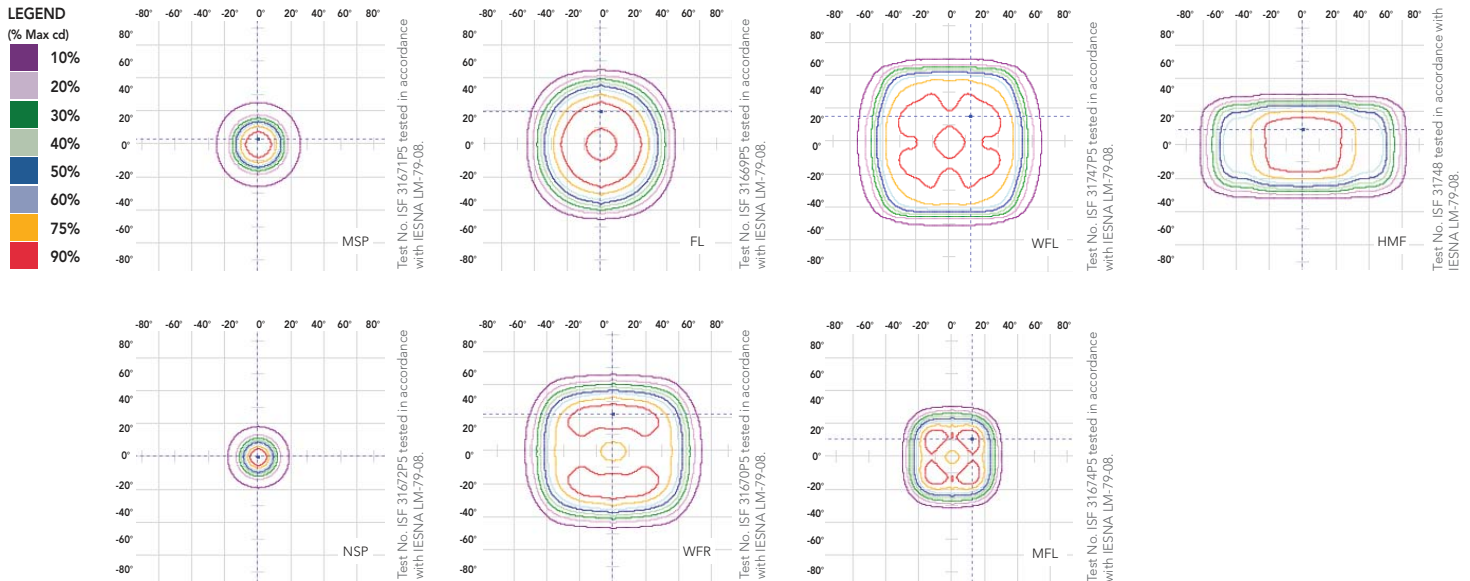
## Electrical Load

Light Engines	System Watts	Current (A)					
		120	208	240	277	347	480
P1	21W	0.18	0.1	0.09	0.08	0.07	-
P2	42W	0.35	0.20	0.18	0.15	0.12	-

## Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's [D-Series Flood Size 1 homepage](#).

Iscandela plots for the DSXF1 LED P2 40K.



## Mounting, Options and Accessories



**THK - Knuckle with 1/2" NPS threaded pipe**



**YKC62 - Yoke with 50 cord**  
H= 4-1/4" (10.7 cm)  
D= 2-1/4" (5.7 cm)



**IS - Integral slipfitter**  
H= 2-1/2" (6.3 cm)  
ID= 2-3/8" (6.0 cm)  
OD= 3-1/2" (8.8 cm)



**UBV - Upper/bottom visor**  
W= 5-1/4" (13.3 cm)  
H= 2-1/2" (6.3 cm)  
D= 3" (7.6 cm)



**FV - Full visor**  
W= 5-1/4" (13.3 cm)  
H= 2-1/2" (6.3 cm)  
D= 3" (7.6 cm)



**VG - Vandal guard**  
W= 6-1/2" (16.5 cm)  
H= 4" (10.1 cm)

## FEATURES & SPECIFICATIONS

### INTENDED USE

The sleek design of the D-Series Size 1 Flood reflects the embedded high performance LED technology. It is ideal for landscape, signage and accent lighting in many commercial and residential applications.

### CONSTRUCTION

Die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. The LED driver is mounted in direct contact with the casting to promote low operating temperature and long life. Housing is completely sealed against moisture and environmental contaminants using a tempered glass lens (IP66). Low EPA (0.6 ft) for optimized wind loading.

### FINISH

Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling.

### OPTICS

A variety of precision-molded vacuum-metallized specular reflectors are engineered for superior target illumination, uniformity and spacing. Light engines are available in 3000K (70 CRI min.), 4000K (70 CRI min.) or 5000K (70 CRI min.) configurations. Optional visors offer additional versatility.

### ELECTRICAL

Light engine(s) consist of chip-on-board (COB) LEDs directly coupled to the housing to maximize heat dissipation and promote long life (100,000 hrs, L80). Single-engine unit uses a Class 2 electronic driver; dual-engine unit uses a Class 1 electronic driver. Both drivers have a power factor >90%, THD <20%, and an expected life of 100,000 hours. Standard 6KV surge protection meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

### INSTALLATION

Integral adjustable knuckle with 1/2-14NPS threaded pipe, tenon slipfitter, or integral slipfitter, facilitates quick and easy installation to a variety of mounting accessories. This secure connection enables the D-Series Size 1 to withstand up to a 1.5 G vibration load rating per ANSI C136.31.

### LISTINGS

CSA certified to U.S. and Canadian standards. Luminaire is IP66 rated. Rated for -40°C minimum ambient.

DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at [www.designlights.org/QPL](http://www.designlights.org/QPL) to confirm which versions are qualified.

### WARRANTY

5-year limited warranty. Complete warranty terms located at: [www.acuitybrands.com/CustomerResources/Terms\\_and\\_conditions.aspx](http://www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx).

**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.



d<sup>s</sup>series

# D-Series Size 2 LED Flood Luminaire



**TYPE: FP2**

Catalog Number

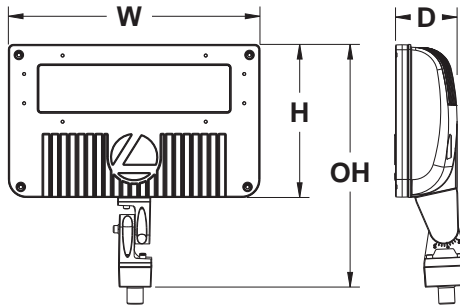
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## Specifications

<b>EPA:</b>	0.8 ft <sup>2</sup> (0.05 m <sup>2</sup> )
<b>Depth:</b>	3-1/8" (8.0 cm)
<b>Width:</b>	12-7/8" (32.6 cm)
<b>Height:</b>	7-3/4" (19.8 cm)
<b>Overall Height:</b>	12" (30.5 cm)
<b>Weight:</b>	10.5 lbs (4.8 kg)



## Introduction

The D-Series Size 2 Flood features precision optics to beautifully illuminate a variety of applications as its sleek, compact styling blends seamlessly with its environment.

The D-Series Flood reflector systems and cutting-edge chip-on-board LED technology produce excellent uniformity combined with precision beam patterns for minimal spill light and incredible photometric performance. It's the ideal long-life replacement for 150 - 250W metal halide floods, with typical energy savings of 70% and expected service life of over 100,000 hours.

## Ordering Information

**EXAMPLE: DSXF2 LED P1 40K MSP MVOLT THK DDBXD**

Series	Performance Package	Color Temperature	Distribution	Voltage	Mounting	Options	Finish (required)
DSXF2 LED	P1	30K 3000K	NSP Narrow spot	MVOLT <sup>4</sup>	<b>Shipped included</b>	<b>Shipped installed</b>	DDBXD Dark bronze
	P2	40K 4000K	MSP Medium spot	120 <sup>4</sup>	THK Knuckle with 1/2" NPS threaded pipe	PE Photocontrol, button style <sup>7,8</sup>	DBLXD Black
	P3 <sup>1,2,3</sup>	50K 5000K	MFL Medium flood	208 <sup>4</sup>	YKC62 Yoke with 16-3 SO cord	PEX Photocontrol external threaded adjustable <sup>8</sup>	DNAXD Natural aluminum
			FL Flood	240 <sup>4</sup>	IS Integral slipfitter (fits 2-3/8" O.D. tenon)	DMG 0-10V dimming driver (no controls)	DWHXD White
			WFL Wide flood	277 <sup>4</sup>		SF Single fuse (120, 277, 347V) <sup>9</sup>	
			WFR Wide flood, rectangular	347	<b>Shipped separately<sup>6</sup></b>	DF Double fuse (208, 240, 480V) <sup>10</sup>	
			HMF Horizontal flood	480 <sup>5</sup>	DSXF1/2TS Tenon slipfitter (2-3/8" O.D. THK required)	SPD10KV Separate surge protection <sup>11</sup>	
				HVOLT	FVS CG6 Tenon slipfitter (2-7/8" O.D. YKC62 required)	<b>Shipped separately<sup>6</sup></b>	

## Accessories

Ordered and shipped separately.

DSXF1/2TS DDBXD U	Slipfitter for 1-1/4" to 2-3/8" OD tenons; mates with 1/2" threaded knuckle (specify finish)
FVS CG6 DDBXD U	Slipfitter for 2-3/8" to 2-7/8" OD tenons; mates with yoke mount (specify finish)
FRWB DDBXD U	Radius wall bracket, 2-3/8" OD tenon (specify finish)
FSPB DDBXD U	Steel square pole bracket, 2-3/8" OD tenon (specify finish)
DSXF2UBV DDBXD U	Upper/bottom visor accessory (specify finish)
DSXF2FV DDBXD U	Full visor accessory (specify finish)
DSXF2VG U	Vandal guard accessory

For more mounting options, visit our [Floodlighting Accessories](#) pages.

Stock configurations are offered for shorter lead times:

Standard Part Number	Stock Part Number
DSXF2 LED P1 50K WFL MVOLT THK DDBXD	DSXF2 LED P1 50K
DSXF2 LED P2 50K WFL MVOLT THK DDBXD	DSXF2 LED P2 50K

## NOTES

- Performance package P3 rated 35C maximum ambient.
- Not available with PE (use PEX).
- Rated 25C maximum ambient with SPD10KV.
- MVOLT driver operates on line voltage from 120-277V. Specify specific voltage when ordering with fusing (SF, DF) or photocontrol (PE, PEX).
- Not available with PE and PEX.
- Also available as accessories; see accessories information at left.
- Rated 25C maximum ambient for performance package P2. Not available in performance package P3. Specify PEX for higher ambient temperatures.
- Photocontrol (PE, PEX) requires 120, 208, 240, 277 or 347 voltage option.
- Must specify 120, 277 or 347 voltage option.
- Must specify 208, 240 or 480 voltage option.
- Cannot exceed 25°C maximum ambient when used with P3 performance package.





# Performance Data

## Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Actual performance may differ as a result of end-user environment and application. Actual wattage may differ by +/- 8% when operating between 120-480V +/- 10%. Contact factory for performance data on any configurations not shown here.

Performance Package	System Watts	Dist. Type	Field Angle		Beam Angle		30K (3000K, 70 CRI)			40K (4000K, 70 CRI)			50K (5000K, 70 CRI)			
			°H	°V	°H	°V	Max Cd	Lumens	LPW	Max Cd	Lumens	LPW	Max Cd	Lumens	LPW	
P1	54W	NSP	39	39	19	18	43,427	7,338	136	45,662	7,715	143	45,662	7,715	143	
			MSP	52	51	28	28	26,563	7,010	130	27,930	7,371	137	27,930	7,371	137
			MFL	59	59	45	46	11,831	7,058	131	12,440	7,421	137	12,440	7,421	137
			FL	87	87	62	68	6,258	7,309	135	6,581	7,686	142	6,581	7,686	142
			WFL	114	101	87	83	3,991	7,413	137	4,197	7,794	144	4,197	7,794	144
			WFR	107	92	81	71	4,827	7,429	138	5,076	7,811	145	5,076	7,811	145
P2	78W	HMF	123	64	89	50	6,580	6,765	125	6,919	7,113	132	6,919	7,113	132	
			NSP	39	39	19	18	59,506	10,054	129	62,568	10,572	136	62,568	10,572	136
			MSP	52	51	28	28	36,397	9,606	123	38,271	10,100	129	38,271	10,100	129
			MFL	59	59	45	46	16,211	9,671	124	17,046	10,169	130	17,046	10,169	130
			FL	87	87	62	68	8,575	10,017	128	9,017	10,532	135	9,017	10,532	135
			WFL	114	101	87	83	5,469	10,157	130	5,751	10,680	137	5,751	10,680	137
P3	102W	WFR	107	92	81	71	6,615	10,179	131	6,955	10,703	137	6,955	10,701	137	
			HMF	123	64	89	50	9,017	9,269	119	9,481	9,746	125	9,481	9,746	125
			NSP	39	39	19	18	70,481	11,909	117	74,109	12,522	123	74,109	12,522	123
			MSP	52	51	28	28	43,111	11,377	112	45,330	11,963	117	45,330	11,963	117
			MFL	59	59	45	46	19,011	11,342	111	20,190	12,045	118	20,190	12,049	118
			FL	87	87	62	68	10,157	11,864	116	10,680	12,474	122	10,680	12,475	122
P3	102W	WFL	114	101	87	83	6,198	11,510	113	6,811	12,650	124	6,811	12,650	124	
			WFR	107	92	81	71	7,835	12,056	118	8,238	12,677	124	8,238	12,677	124
			HMF	123	64	89	50	10,680	10,979	108	11,230	11,544	113	11,230	11,544	113

## Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient	
0°C	32°F
10°C	50°F
20°C	68°F
25°C	77°F
30°C	86°F
40°C	104°F

## Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the DSXF LED P3 platform tested in a 25C ambient, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	0.95	0.95	0.95

## Electrical Load

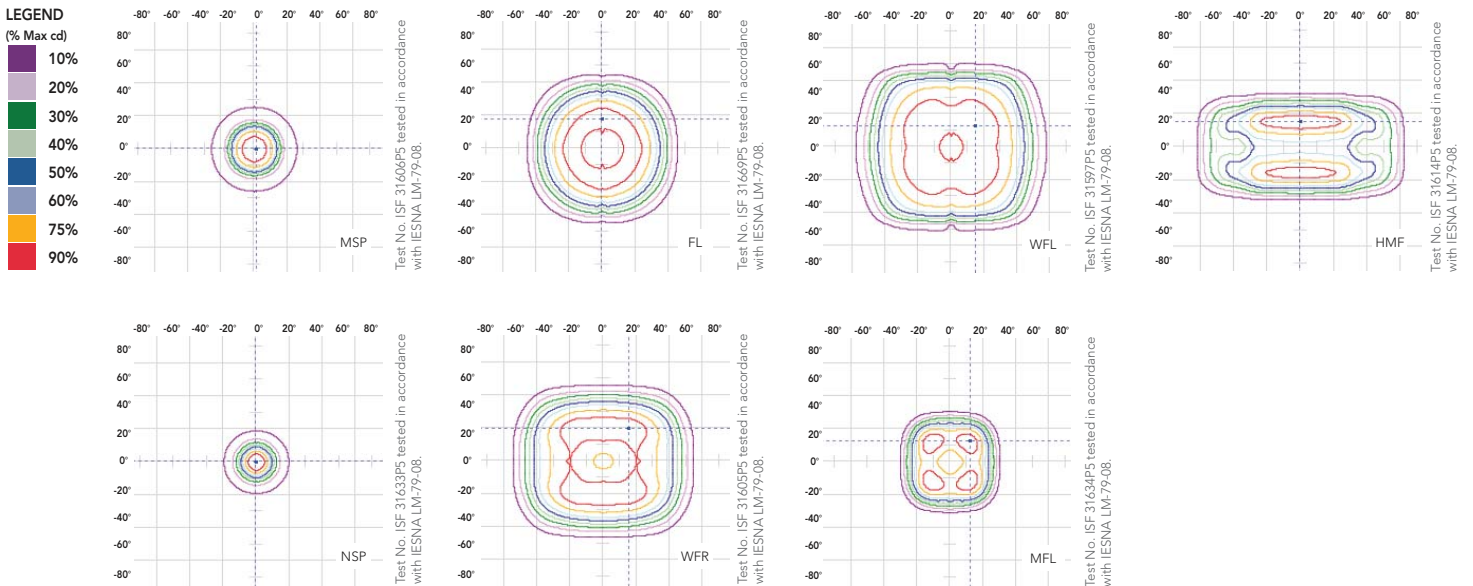
Light Engines	System Watts*	Current (A)					
		120	208	240	277	347	480
P1	54W	0.45	0.26	0.23	0.2	0.16	0.13
P2	78W	0.65	0.37	0.33	0.29	0.23	0.18
P3	102W	0.88	0.49	0.43	0.39	0.31	0.23

\* Systems Watts for 347-480V; P1: 56W, P2: 80W, P3: 103W.

## Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's [D-Series Flood Size 2 homepage](#).

Isocandela plots for the DSXF2 LED P2 40K.



## Mounting, Options and Accessories



**THK - Knuckle with  
1/2" NPS threaded pipe**



**YKC62 - Yoke with 50 cord**  
W= 4-3/4" (12.0 cm)  
H= 4-1/4" (10.7 cm)  
D= 2-1/4" (5.7 cm)



**IS - Integral slipfitter**  
H= 2-1/2" (6.3 cm)  
ID= 2-3/8" (6.0 cm)  
OD= 3-1/2" (8.8 cm)



**UBV - Upper/bottom visor**  
W= 10" (25.4 cm)  
H= 2-1/2" (6.3 cm)  
D= 3" (7.6 cm)



**FV - Full visor**  
W= 10" (25.4 cm)  
H= 2-1/2" (6.3 cm)  
D= 3" (7.6 cm)



**VG - Vandal guard**  
W= 10-1/2" (26.6cm)  
H= 4" (10.1cm)

## FEATURES & SPECIFICATIONS

### INTENDED USE

The sleek design of the D-Series Size 2 Flood reflects the embedded high performance LED technology. It is ideal for larger signage, facade and flagpole lighting in many commercial and residential applications.

### CONSTRUCTION

Die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. The LED driver is mounted in direct contact with the casting to promote low operating temperature and long life. Housing is completely sealed against moisture and environmental contaminants using a tempered glass lens (IP66). Low EPA (0.8 ft<sup>2</sup>) for optimized wind loading.

### FINISH

Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling.

### OPTICS

A variety of precision-molded vacuum-metallized specular reflectors are engineered for superior target illumination, uniformity and spacing. Light engines are available in 3000K (70 CRI min.), 4000K (70 CRI min.) or 5000K (70 CRI min.) configurations. Optional visors offer additional versatility.

### ELECTRICAL

Light engine(s) consist of chip-on-board (COB) LEDs directly coupled to the housing to maximize heat dissipation and promote long life (100,000 hrs, L80). Class 1 electronic driver has a power factor >90%, THD <20%, and has an expected life of 100,000 hours with <1% failure rate. Standard 6KV surge protection meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

### INSTALLATION

Integral adjustable knuckle with 1/2-14 NPS threaded pipe, tenon slipfitter, or yoke mounting, facilitates quick and easy installation to a variety of mounting accessories. This secure connection enables the D-Series Size 2 to withstand up to a 1.5 G vibration load rating per ANSI C136.31.

### LISTINGS

CSA certified to U.S. and Canadian standards. Luminaire is IP66 rated. Rated for -40°C minimum ambient.

DesignLights Consortium® (DLC) Premium qualified product and DLC qualified product. Not all versions of this product may be DLC Premium qualified or DLC qualified. Please check the DLC Qualified Products List at [www.designlights.org/QPL](http://www.designlights.org/QPL) to confirm which versions are qualified.

### WARRANTY

5-year limited warranty. Complete warranty terms located at: [www.acuitybrands.com/CustomerResources/Terms\\_and\\_conditions.aspx](http://www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx).

**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.

# EDGE EV6 WET

EVOLUTION

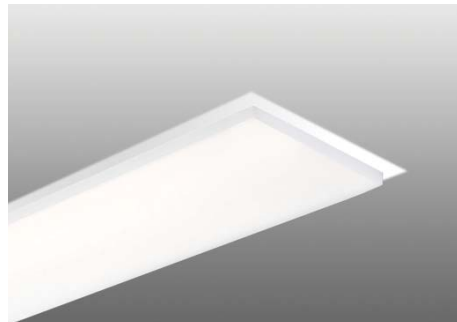
Project Name \_\_\_\_\_

Date \_\_\_\_\_

Catalog Number \_\_\_\_\_

Type \_\_\_\_\_

LED Recessed Linear with Satine Wet Lens



**CONSTRUCTION** 6063-T5 extruded aluminum housing with welded ends. Internal lens gaskets seal housing to prevent moisture and debris from entering the fixture. Pressure equalizing vent allows fixture to "breathe" preventing condensation. Fixtures can be installed individually or connected for a continuous run appearance.

**LENS** Solid acrylic diffuse snap-in lens with matte finish with an EPDM gasketed for complete wet seal.

**ELECTRICAL** Electronic, 120 to 277 volt input and 36V output. 0-10 volt dimming standard. Must specify 1D in circuiting for dimming.

**LED** All luminaire configurations tested in accordance with IES LM-79. Diodes tested in accordance with IES LM-80. R9≥20, 27K is CRI≥90, 30K, 35K, and 40K is CRI≥82.

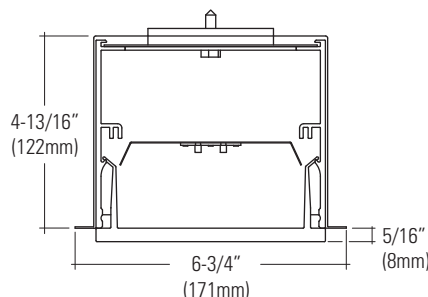
**MOUNTING** 1/2" flange mount available. Refer to installation instructions for appropriate ceiling detail.

**FINISH** Standard powder-coat textured white, metallic silver, textured black, graphite or bronze painted finish, consult factory for chip of standard paint finishes. Contact factory for additional custom color and finish options.

**WARRANTY** Edge LED offered with a 5-year limited warranty. Covers LED, driver and fixture.

**LABELS** UL and cUL Listed, approved for wet location unless otherwise noted. IP65 rated.

**TEMP RATING** Edge Wet is rated for temperatures from -30°C to 40°C



## LUMINAIRE SPECIFICATION

Sample Catalog #: EV6-WET-N-35HO-8-BOR-FL-120-1C-W

EV6-	WET-	---	'-	---	FL-	---	---	---	---
HOUSING	DIRECT	COLOR/LUMENS	LENGTH	POSITION	MOUNTING	VOLTAGE	CIRCUITING	FINISH	OPTIONS
EV6- Edge Evolution 6	WET- Satine Wet Lens			IND- Individual Unit <sup>5</sup> BOR- Beginning of Row <sup>1,4</sup> MOR- Middle of Row <sup>2,4</sup> EOR- End of Row <sup>3,4</sup>	Recessed FL- Flanged Mounting (Not available for in-wall applications - see Surface mount for in-wall)	120- 120 V 277- 277 V 347- 347 V <sup>7</sup> UNV- UNV (120-277)		W- Matte White S- Metallic Silver BL- Textured Black GR- Graphite BR- Bronze CC- Custom Color	
<b>27K Color Temperature Lumen Options</b> 27- 27K, 289 lumens/ft, 4.6 watts/ft 27HO- 27K, 536 lumens/ft, 8.6 watts/ft <b>30K Color Temperature Lumen Options</b> 30- 30K, 366 lumens/ft, 4.6 watts/ft 30HO- 30K, 678 lumens/ft, 8.6 watts/ft <b>35K Color Temperature Lumen Options</b> 35- 35K, 377 lumens/ft, 4.6 watts/ft 35HO- 35K, 698 lumens/ft, 8.6 watts/ft <b>40K Color Temperature Lumen Options</b> 40- 40K, 384 lumens/ft, 4.6 watts/ft 40HO- 40K, 711 lumens/ft, 8.6 watts/ft			<b>Individual Units</b> 2- 27-1/8" actual (689mm) 3- 39" actual (991mm) 4- 50-3/4" actual (1,289mm) 5- 62-5/8" actual (1,591mm) 6- 74-5/8" actual (1,895mm) 7- 86-1/2" actual (2,197mm) 8- 98-3/8" actual (2,499mm)						
<b>Custom Output</b> CL_____ - Specify color temp. and lumens/ft. (i.e. CL35600) CW_____ - Specify color temp. and wattage/ft. (i.e. CW407.5) (Specify lumens/watts between standard offering listed above. Lumens are specified per color temp.)									

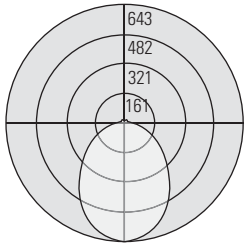
<sup>1</sup>BOR fixtures are used for beginning of row and have joining holes on non-power end of fixture. <sup>2</sup>MOR fixtures are used for middle of row and have joining holes on both ends of fixture. <sup>3</sup>EOR fixtures are used for the end of a row and have joining holes on power end of fixture. <sup>4</sup>Factory submittal drawing approval required. <sup>5</sup>IND fixtures are individual fixtures and have no joining holes. IND fixtures cannot be joined. <sup>6</sup>Integral battery pack with integral test switch provided with 1B option. <sup>7</sup>Some Edge Wet configurations will not accommodate all electrical options. Consult factory.



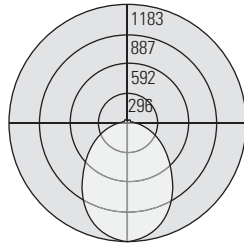
Pinnacle Architectural Lighting 12655 East 42nd Avenue, Suite 50 Denver, CO 80239  
 Phone 303.322.5570 Fax 303.322.5568 www.pinnacle-ltg.com

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March 2016

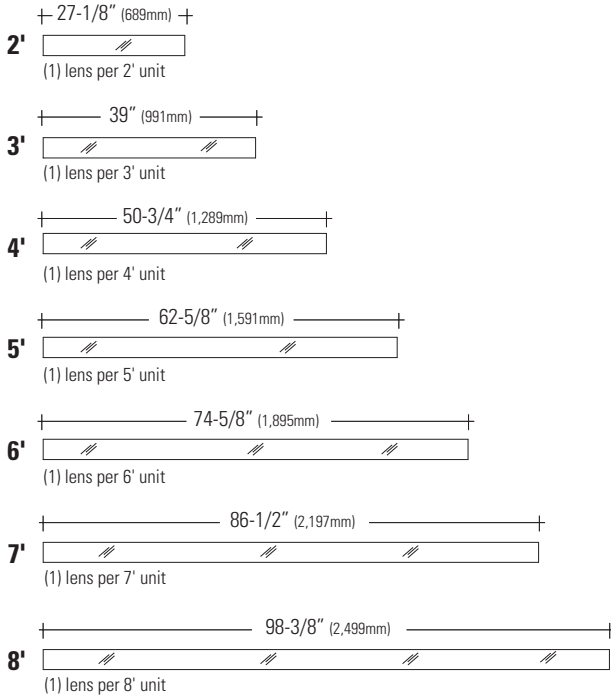


Test #: ILT86503  
Part #: EV6-WET-40-4'  
Lumens per watt: 83  
Total Delivered Lumens: 1536



Test #: ILT86504  
Part #: EV6-WET-40HO-4'  
Lumens per watt: 82  
Total Delivered Lumens: 2843

• INDIVIDUAL MODULES



• GET CONNECTED

When making rows with Edge Wet, the rows must be ordered as individual units with a position specified. Positions can either be "BOR" - Beginning of Row, "MOR" - Middle of Row, or "EOR" - End of Row. This will signify to the factory how to set up the fixture and where it will attach to other fixtures. The connection between fixtures is less than 1/8". For single, non-connected units, specify as "IND" for individual.



• WATER RESISTANT

Gore® Protective Vent allows the fixture to breathe, preventing condensation from building up inside the fixture that could cause damage to the internal components. Vent allows moisture to escape fixture without allowing moisture in.



• COMPACT COMPONENTS

All-inclusive module houses all LED system components in one compact unit. Unit easily releases from the housing for room-side maintenance.



# EDGE EV6 WET

EVOLUTION

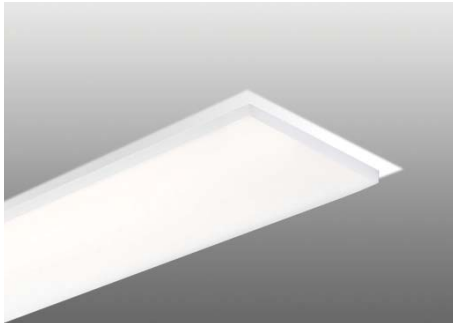
Project Name \_\_\_\_\_

Date \_\_\_\_\_

Catalog Number \_\_\_\_\_

Type \_\_\_\_\_

LED Recessed Linear with Satine Wet Lens



**CONSTRUCTION** 6063-T5 extruded aluminum housing with welded ends. Internal lens gaskets seal housing to prevent moisture and debris from entering the fixture. Pressure equalizing vent allows fixture to "breathe" preventing condensation. Fixtures can be installed individually or connected for a continuous run appearance.

**LENS** Solid acrylic diffuse snap-in lens with matte finish with an EPDM gasketed for complete wet seal.

**ELECTRICAL** Electronic, 120 to 277 volt input and 36V output. 0-10 volt dimming standard. Must specify 1D in circuiting for dimming.

**LED** All luminaire configurations tested in accordance with IES LM-79. Diodes tested in accordance with IES LM-80. R9≥20, 27K is CRI≥90, 30K, 35K, and 40K is CRI≥82.

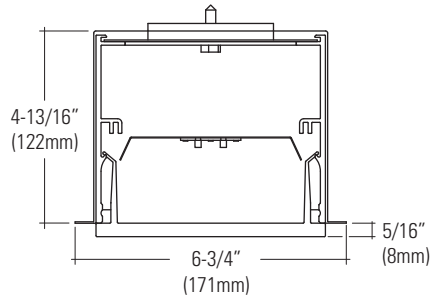
**MOUNTING** 1/2" flange mount available. Refer to installation instructions for appropriate ceiling detail.

**FINISH** Standard powder-coat textured white, metallic silver, textured black, graphite or bronze painted finish, consult factory for chip of standard paint finishes. Contact factory for additional custom color and finish options.

**WARRANTY** Edge LED offered with a 5-year limited warranty. Covers LED, driver and fixture.

**LABELS** UL and cUL Listed, approved for wet location unless otherwise noted. IP65 rated.

**TEMP RATING** Edge Wet is rated for temperatures from -30°C to 40°C



**LUMINAIRE SPECIFICATION**

Sample Catalog #: EV6-WET-N-35HO-8-BOR-FL-120-1C-W

EV6-	WET-	---	'-	---	FL-	---	---	---	---
HOUSING	DIRECT	COLOR/LUMENS	LENGTH	POSITION	MOUNTING	VOLTAGE	CIRCUITING	FINISH	OPTIONS
EV6- Edge Evolution 6	WET- Satine Wet Lens			IND- Individual Unit <sup>5</sup> BOR- Beginning of Row <sup>1,4</sup> MOR- Middle of Row <sup>2,4</sup> EOR- End of Row <sup>3,4</sup>	Recessed FL- Flanged Mounting (Not available for in-wall applications - see Surface mount for in-wall)	120- 120 V 277- 277 V 347- 347 V <sup>7</sup> UNV- UNV (120-277)	1C- Single Circuit 1B- Single Circuit with Battery Pack <sup>6,7</sup> 1D- Single Circuit Dimming <sup>7</sup> 1E- Single Circuit with Emergency Circuit <sup>7</sup>	W- Matte White S- Metallic Silver BL- Textured Black GR- Graphite BR- Bronze CC- Custom Color	GLR- Internal Fast Blow Fuse AM- Antimicrobial Paint EPF- End Power Feed
<b>27K Color Temperature Lumen Options</b> 27- 27K, 289 lumens/ft, 4.6 watts/ft 27HO- 27K, 536 lumens/ft, 8.6 watts/ft <b>30K Color Temperature Lumen Options</b> 30- 30K, 366 lumens/ft, 4.6 watts/ft 30HO- 30K, 678 lumens/ft, 8.6 watts/ft <b>35K Color Temperature Lumen Options</b> 35- 35K, 377 lumens/ft, 4.6 watts/ft 35HO- 35K, 698 lumens/ft, 8.6 watts/ft <b>40K Color Temperature Lumen Options</b> 40- 40K, 384 lumens/ft, 4.6 watts/ft 40HO- 40K, 711 lumens/ft, 8.6 watts/ft		<b>Individual Units</b> 2- 27-1/8" actual (689mm) 3- 39" actual (991mm) 4- 50-3/4" actual (1,289mm) 5- 62-5/8" actual (1,591mm) 6- 74-5/8" actual (1,895mm) 7- 86-1/2" actual (2,197mm) 8- 98-3/8" actual (2,499mm)							
<b>Custom Output</b> CL_____ - Specify color temp. and lumens/ft. (i.e. CL35600) CW_____ - Specify color temp. and wattage/ft. (i.e. CW407.5) (Specify lumens/watts between standard offering listed above. Lumens are specified per color temp.)									

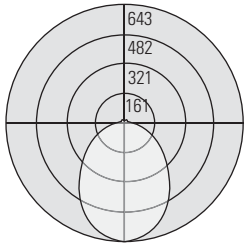
<sup>1</sup>BOR fixtures are used for beginning of row and have joining holes on non-power end of fixture. <sup>2</sup>MOR fixtures are used for middle of row and have joining holes on both ends of fixture. <sup>3</sup>EOR fixtures are used for the end of a row and have joining holes on power end of fixture. <sup>4</sup>Factory submittal drawing approval required. <sup>5</sup>IND fixtures are individual fixtures and have no joining holes. IND fixtures cannot be joined. <sup>6</sup>Integral battery pack with integral test switch provided with 1B option. <sup>7</sup>Some Edge Wet configurations will not accommodate all electrical options. Consult factory.



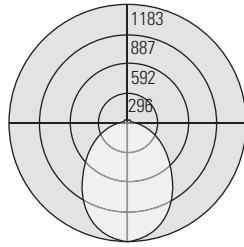
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March 2016

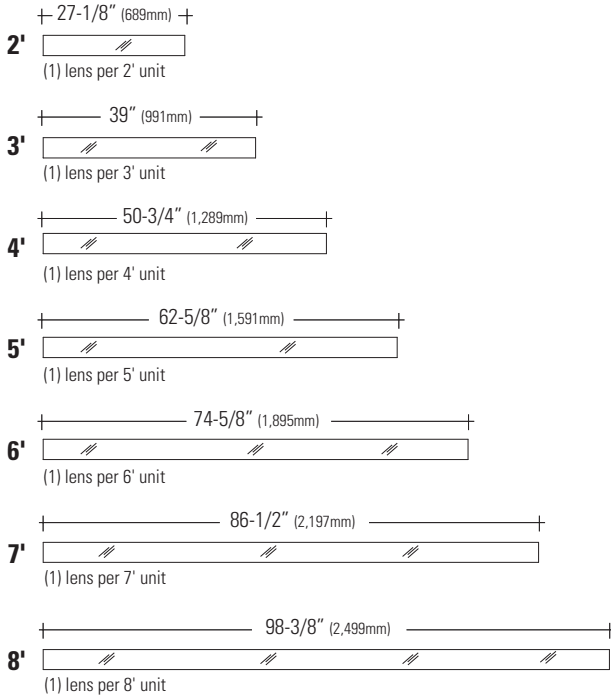


Test #: ILT86503  
Part #: EV6-WET-40-4'  
Lumens per watt: 83  
Total Delivered Lumens: 1536



Test #: ILT86504  
Part #: EV6-WET-40HO-4'  
Lumens per watt: 82  
Total Delivered Lumens: 2843

• INDIVIDUAL MODULES



• GET CONNECTED

When making rows with Edge Wet, the rows must be ordered as individual units with a position specified. Positions can either be "BOR" - Beginning of Row, "MOR" - Middle of Row, or "EOR" - End of Row. This will signify to the factory how to set up the fixture and where it will attach to other fixtures. The connection between fixtures is less than 1/8". For single, non-connected units, specify as "IND" for individual.



• WATER RESISTANT

Gore® Protective Vent allows the fixture to breathe, preventing condensation from building up inside the fixture that could cause damage to the internal components. Vent allows moisture to escape fixture without allowing moisture in.




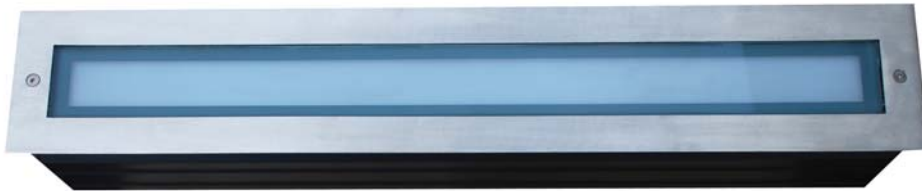
• COMPACT COMPONENTS

All-inclusive module houses all LED system components in one compact unit. Unit easily releases from the housing for room-side maintenance.



# LUMUX

Project :	Type:	Agency :
Distributor :		 Complies with BUY AMERICA



Walk Over

**Description :** IP65, Walk – over(500kg) linear LED in – grade luminaries fabricated from low copper aluminum S6062 alloy with less than 1% copper with grade 316 stainless steel cover. Tempered frosty glass. All fastener are in allen head type stainless steel. Silicon gasketed to qualify the unit for weather tight application. ETL rated for wet location. Unit could be specified for facade or sign illumination, marking or tracing for pedestrian walkways. The compact design of this unit would benefit this unit for tight space application. IP65 rated. ETL listed for wet locations.

## SPECIFICATION:

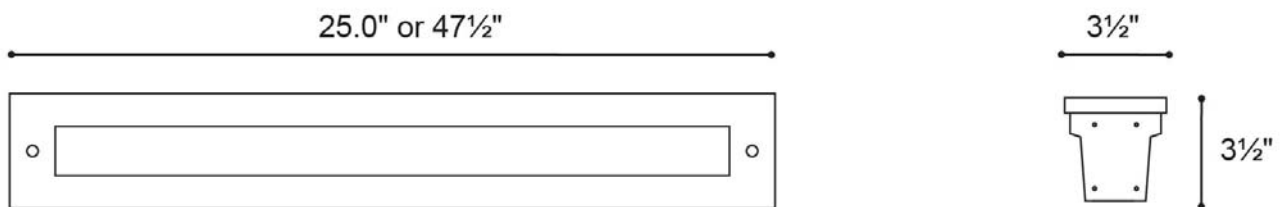
**Housing :** Cover is grade 316 stainless steel. Unit is silicon gasketed for weather tight application.

**Diffuser :** Frosty glass.

**Electrical :** Voltage : 120 / 277  
Lamp: CREE LED.  
Ballast : Class P, Electronic Ballast

**Installation :**  
Unit provides with its own galvanized steel rough-in box. Please refer to it drawing in the back.

## DIMENSIONS:



LF600-1SS	25.0"
LF600-2SS	47 1/2"

Lumux - LF600-1SS, LF600-2SS

Lumux reserves the right to modify the above details to reflect changes in the cost of materials and/or design without prior notice.

<b>Lumux Lighting Inc</b>	<b>877-895-5552</b>	<b>Rev : A</b>	<b>Drawing Number</b> LF600-1SS, LF600-2SS
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# LUMUX

Date :

Project :

Type:

Agency :

Distributor :

**ORDERING GUIDE:**

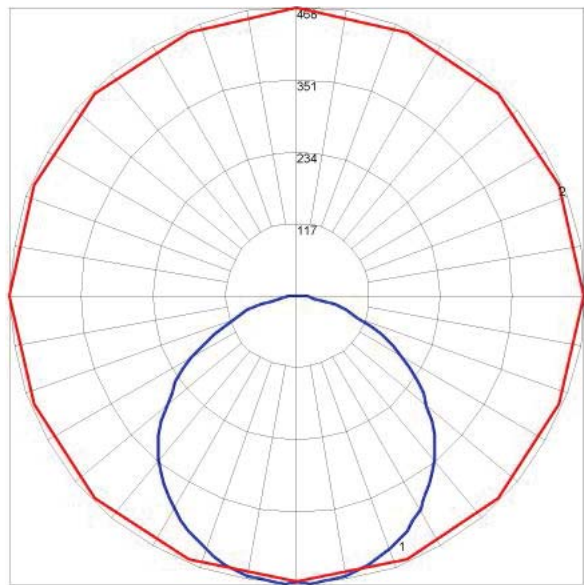
**LF600-1/LED/120-277 / Silver**

	Wattage	Voltage	Lumen	CRI	Temp.	B. Angle
LF600-1	15	120/277	1221	70	4000K	120
LF600-2	25	120/277	2000	70	4000K	120

**Finish**  
Stainless  
Steel

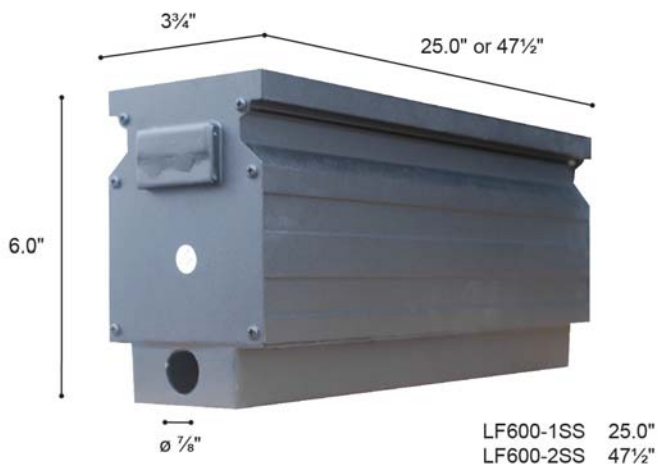
**Option**  
Symmetric  
Asymmetric

**Project Notes :**



Maximum Candela = 468.1 Located At Horizontal Angle = 0, Vertical Angle = 2.5  
 # 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)  
 # 2 - Horizontal Cone Through Vertical Angle (2.5) (Through Max. Cd.)

**Light Distribution Pattern**



**Concrete Pour Box (CPX)**

**Lumux - LF600-1SS, FL600-2SS**

Lumux reserves the right to modify the above details to reflect changes in the cost of materials and/or design without prior notice.

<b>Lumux Lighting Inc</b>	<b>877-895-5552</b>	<b>Rev :A</b>	<b>Drawing Number</b> LF600-1SS,LF600-2SS
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**TYPE: WP**

**MIMIK 30**



MIMIK 30  
**FLAT M**



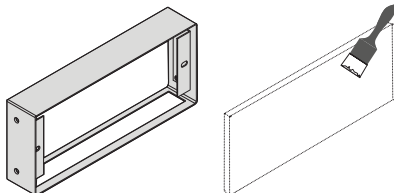
MIMIK 30  
**TYPE II**



MIMIK 30  
**TYPE III**



MIMIK 30  
**TYPE IV**



The frame which is available as an accessory, allows the panel to be installed on the luminaire front. The panel can be plastered to match the finish of the wall on which it is to be installed.

## MIMIK 30 FLAT M

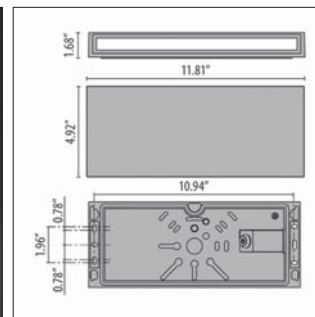
TEXTURED WHITE  
WHITE LED

STEEL GRAY  
WHITE LED

IRON GRAY  
WHITE LED



- Indoor and outdoor wall mounted fixtures, comprising:
- Die-cast painted aluminium housing
  - Flat, tempered glass diffuser, machined and screen-printed on the inner surface for MIMIK FLAT series
  - Silicone gasket
  - LED versions include 120/277V safety transformer → Aluminium heat dissipation system
  - 3000 K and 4000 K, mid-power LEDs board for MIMIK FLAT series
  - Available in single (M) and dual (B) emission versions



SOCKET	POWER (W)	FINISH	IP	KELVIN	OPTIC TYPE	OPTIC BEAM	DELIVERED LUMENS (RLO)	LIFETIME	CULUS	UL	VOLTAGE	CODE
<b>MID POWER LEDS 120/277 V DIMMABLE 0-10V</b>												
LED	20 W	IRON GRAY - WHITE LED	IP 65	3000	Type II	-	1506 lm	60000 h	•	-	-	<b>070001</b>
LED	20 W	IRON GRAY - WHITE LED	IP 65	4000	Type II	-	1597 lm	60000 h	•	-	-	<b>070004</b>
LED	20 W	STEEL GRAY - WHITE LED	IP 65	3000	Type II	-	1506 lm	60000 h	•	-	-	<b>070000</b>
LED	20 W	STEEL GRAY - WHITE LED	IP 65	4000	Type II	-	1597 lm	60000 h	•	-	-	<b>070024</b>
LED	20 W	TEXTURED WHITE - WHITE LED	IP 65	3000	Type II	-	1506 lm	60000 h	•	-	-	<b>070002</b>
LED	20 W	TEXTURED WHITE - WHITE LED	IP 65	4000	Type II	-	1597 lm	60000 h	•	-	-	<b>070005</b>

## MIMIK 30 M TYPE II

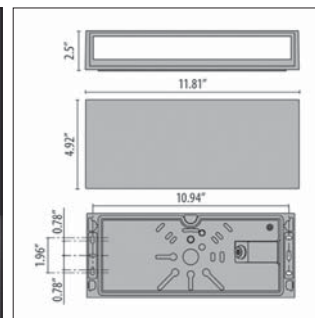
TEXTURED WHITE  
WHITE LED

STEEL GRAY  
WHITE LED

IRON GRAY  
WHITE LED



- Indoor and outdoor wall mounted fixtures, comprising:
- Die-cast painted aluminium housing
  - Flat, transparent, tempered glass diffuser, screen-printed on the inner surface for MIMIK series
  - Silicone gasket
  - LED versions include 120/277 V safety transformer → Aluminium heat dissipation system
  - 3000 K and 4000 K, multichip LEDs board for MIMIK series
  - MIMIK fixtures are equipped with high-transmittance polycarbonate lenses with different light distributions to meet the most diverse lighting
  - Available in single (M) and dual (B) emission versions



SOCKET	POWER (W)	FINISH	IP	KELVIN	OPTIC TYPE	OPTIC BEAM	DELIVERED LUMENS (RLO)	LIFETIME	CULUS	UL	VOLTAGE	CODE
<b>HIGH POWER LEDS 120/277 V DIMMABLE 0-10V</b>												
LED	36 W	IRON GRAY - WHITE LED	IP 65	3000	Type II	-	2549 lm	60000 h	•	-	-	<b>070007</b>
LED	36 W	IRON GRAY - WHITE LED	IP 65	4000	Type II	-	2750 lm	60000 h	•	-	-	<b>070010</b>
LED	36 W	STEEL GRAY - WHITE LED	IP 65	3000	Type II	-	2549 lm	60000 h	•	-	-	<b>070006</b>
LED	36 W	STEEL GRAY - WHITE LED	IP 65	4000	Type II	-	2750 lm	60000 h	•	-	-	<b>070009</b>
LED	36 W	TEXTURED WHITE - WHITE LED	IP 65	3000	Type II	-	2549 lm	60000 h	•	-	-	<b>070008</b>
LED	36 W	TEXTURED WHITE - WHITE LED	IP 65	4000	Type II	-	2750 lm	60000 h	•	-	-	<b>070011</b>

## MIMIK 30 M TYPE III

TEXTURED WHITE  
WHITE LED

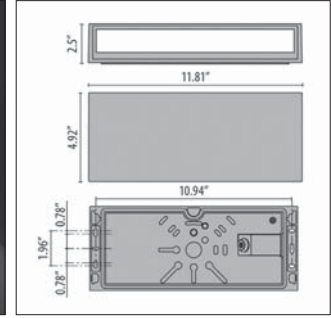
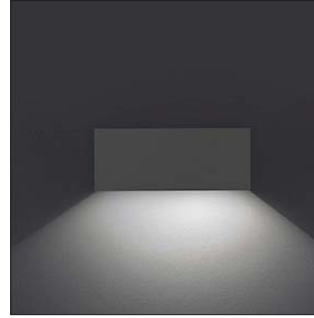
STEEL GRAY  
WHITE LED

IRON GRAY  
WHITE LED



Indoor and outdoor wall mounted fixtures, comprising:

- Die-cast painted aluminium housing
- Flat, transparent, tempered glass diffuser, screen-printed on the inner surface for MIMIK series
- Silicone gasket
- LED versions include 120/277 V safety transformer → Aluminium heat dissipation system
- 3000 K and 4000 K, multichip LEDs board for MIMIK series
- MIMIK fixtures are equipped with high-transmittance polycarbonate lenses with different light distributions to meet the most diverse lighting
- Available in single (M) and dual (B) emission versions



SOCKET	POWER (W)	FINISH	IP	KELVIN	OPTIC TYPE	OPTIC BEAM	DELIVERED LUMENS (RLO)	LIFETIME	CULUS	UL	VOLTAGE	CODE
<b>HIGH POWER LEDS 120/277 V DIMMABLE 0-10V</b>												
LED	36 W	IRON GRAY - WHITE LED	IP 65	3000	Type III	-	2603 lm	60000 h	•	-	-	<b>070013</b>
LED	36 W	IRON GRAY - WHITE LED	IP 65	4000	Type III	-	2803 lm	60000 h	•	-	-	<b>070016</b>
LED	36 W	STEEL GRAY - WHITE LED	IP 65	3000	Type III	-	2603 lm	60000 h	•	-	-	<b>070012</b>
LED	36 W	STEEL GRAY - WHITE LED	IP 65	4000	Type III	-	2803 lm	60000 h	•	-	-	<b>070015</b>
LED	36 W	TEXTURED WHITE - WHITE LED	IP 65	3000	Type III	-	2603 lm	60000 h	•	-	-	<b>070014</b>
LED	36 W	TEXTURED WHITE - WHITE LED	IP 65	4000	Type III	-	2803 lm	60000 h	•	-	-	<b>070017</b>

## MIMIK 30 M TYPE IV

TEXTURED WHITE  
WHITE LED

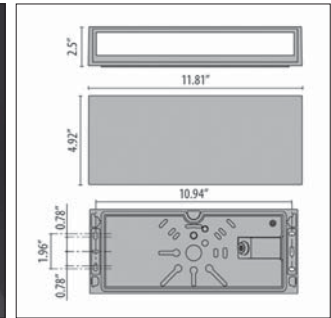
STEEL GRAY  
WHITE LED

IRON GRAY  
WHITE LED



Indoor and outdoor wall mounted fixtures, comprising:

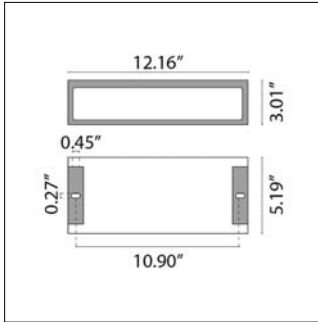
- Die-cast painted aluminium housing
- Flat, transparent, tempered glass diffuser, screen-printed on the inner surface for MIMIK series
- Silicone gasket
- LED versions include 120/277 V safety transformer → Aluminium heat dissipation system
- 3000 K and 4000 K, multichip LEDs board for MIMIK series
- MIMIK fixtures are equipped with high-transmittance polycarbonate lenses with different light distributions to meet the most diverse lighting
- Available in single (M) and dual (B) emission versions



SOCKET	POWER (W)	FINISH	IP	KELVIN	OPTIC TYPE	OPTIC BEAM	DELIVERED LUMENS (RLO)	LIFETIME	CULUS	UL	VOLTAGE	CODE
<b>HIGH POWER LEDS 120/277 V DIMMABLE 0-10V</b>												
LED	36 W	IRON GRAY - WHITE LED	IP 65	3000	Type IV	-	2415 lm	60000 h	•	-	-	<b>070019</b>
LED	36 W	IRON GRAY - WHITE LED	IP 65	4000	Type IV	-	2602 lm	60000 h	•	-	-	<b>070022</b>
LED	36 W	STEEL GRAY - WHITE LED	IP 65	3000	Type IV	-	2415 lm	60000 h	•	-	-	<b>070018</b>
LED	36 W	STEEL GRAY - WHITE LED	IP 65	4000	Type IV	-	2602 lm	60000 h	•	-	-	<b>070021</b>
LED	36 W	TEXTURED WHITE - WHITE LED	IP 65	3000	Type IV	-	2415 lm	60000 h	•	-	-	<b>070020</b>
LED	36 W	TEXTURED WHITE - WHITE LED	IP 65	4000	Type IV	-	2602 lm	60000 h	•	-	-	<b>070023</b>

## OPTIONAL ACCESSORIES

DESCRIPTION	FINISH	CODE
<b>MIMIK 30 FLAT</b>		
FLAT Customising ring	Steel Gray	<b>310446</b>
FLAT Customising ring	Iron Gray	<b>310447</b>
FLAT Customising ring	Textured White	<b>310448</b>



310446 - 310447 - 310448

# D-Series Size 2 LED Wall Luminaire

**TYPE: WP2**



d<sup>series</sup>

## Specifications Luminaire

**Width:** 18-1/2" (47.0 cm) **Weight:** 21 lbs (9.5 kg)

**Depth:** 10" (25.4 cm)

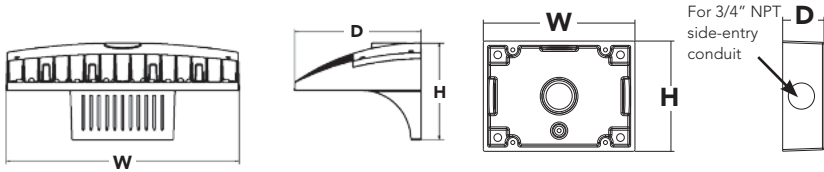
**Height:** 7-5/8" (19.4 cm)

## Back Box (BBW)

**Width:** 5-1/2" (14.0 cm) **BBW Weight:** 1 lbs (0.5 kg)

**Depth:** 1-1/2" (3.8 cm)

**Height:** 4" (10.2 cm)



## Introduction

The D-Series Wall luminaire is a stylish, fully integrated LED solution for building-mount applications. It features a sleek, modern design and is carefully engineered to provide long-lasting, energy-efficient lighting with a variety of optical and control options for customized performance.

With an expected service life of over 20 years of nighttime use and up to 76% in energy savings over comparable 400W metal halide luminaires, the D-Series Wall is a reliable, low-maintenance lighting solution that produces sites that are exceptionally illuminated.

## Ordering Information

**EXAMPLE: DSXW2 LED 30C 700 40K T3M MVOLT DBBXTD**

Series	LEDs	Drive Current	Color temperature	Distribution	Voltage	Mounting	Control Options
DSXW2 LED	20C 20 LEDs (two engines) 30C 30 LEDs (three engines)	350 350 mA 530 530 mA 700 700 mA 1000 1000 mA (1 A)	30K 3000 K 40K 4000 K 50K 5000 K AMBPC Amber phosphor converted	T2S Type II Short T2M Type II Medium T3S Type III Short T3M Type III Medium T4M Type IV Medium TFTM Forward Throw Medium ASYDF Asymmetric diffuse	MVOLT <sup>1</sup> 120 <sup>1</sup> 208 <sup>1</sup> 240 <sup>1</sup> 277 <sup>1</sup> 347 <sup>2</sup> 480 <sup>2</sup>	Shipped included (blank) Surface mounting bracket  Shipped separately <sup>3</sup> BBW Surface-mounted back box (for conduit entry)	Shipped installed PE Photoelectric cell, button type <sup>4</sup> PER NEMA twist-lock receptacle only (no controls) DMG 0-10V dimming driver (no controls) DCR Dimmable and controllable via ROAM <sup>®</sup> (no controls) <sup>5</sup> PIRH 180° motion/ambient light sensor, 15-30' mtg ht <sup>6</sup> PIR1FC3V Motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc <sup>7</sup> PIRH1FC3V Motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc <sup>7</sup>

## Other Options

### Shipped installed

SF Single fuse (120, 277, 347V)<sup>8</sup>  
DF Double fuse (208, 240, 480V)<sup>8</sup>  
HS House-side shield<sup>3</sup>  
SPD Separate surge protection<sup>9</sup>

### Shipped separately<sup>9</sup>

BSW Bird-deterrent spikes  
WG Wire guard  
VG Vandal guard

## Finish (required)

DBBXD Dark bronze  
DBLXD Black  
DNAXD Natural aluminum  
DWHXD White  
DSSXD Sandstone  
DDBTXD Textured dark bronze  
DBLBXD Textured black  
DNATXD Textured natural aluminum  
DWHGXD Textured white  
DSSTXD Textured sandstone

## Accessories

Ordered and shipped separately.

DLL127F 1.5 JU	Photocell - SSL twist-lock (120-277V) <sup>10</sup>
DLL347F 1.5 CUL JU	Photocell - SSL twist-lock (347V) <sup>10</sup>
DLL480F 1.5 CUL JU	Photocell - SSL twist-lock (480V) <sup>10</sup>
DSHORT SBK U	Shorting cap <sup>10</sup>
DSXWHS U	House-side shield (one per light engine)
DSXWBSW U	Bird-deterrent spikes
DSXW2WG U	Wire guard accessory
DSXW2VG U	Vandal guard accessory
DSXW2BBW DDBXD U	Back box accessory (specify finish)

## NOTES

- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz). Specify 120, 208, 240 or 277 options only when ordering with fusing (SF, DF options), or photocontrol (PE option).
- Available with 30 LED/700mA options only (DSXW2 LED 30C 700). DMG option not available.
- Also available as a separate accessory; see Accessories information.
- Photocontrol (PE) requires 120, 208, 240 or 347 voltage option. Not available with motion/ambient light sensors (PIR or PIRH).
- Specifies a ROAM<sup>®</sup> enabled luminaire with 0-10V dimming capability; PER option required. Not available with 347V, 480V or PIRH. Additional hardware and services required for ROAM<sup>®</sup> deployment; must be purchased separately. Call 1-800-442-6745 or email: sales@roomservices.net.
- Specifies the Sensor Switch SBGR-6-ODP control; see Outdoor Control Technical Guide for details. Includes ambient light sensor. Not available with "PE" option (button type photocell) or DCR. Dimming driver standard.
- PIR and PIR1FC3V specify the SensorSwitch SBGR-10-ODP control; PIRH and PIRH1FC3V specify the SensorSwitch SBGR-6-ODP control; see Motion Sensor Guide for details. Dimming driver standard. Not available with PER5 or PER7. Ambient sensor disabled when ordered with DCR. Separate on/off required.
- Single fuse (SF) requires 120, 277 or 347 voltage option. Double fuse (DF) requires 208, 240 or 480 voltage option.
- See the electrical section on page 2 for more details.
- Requires luminaire to be specified with PER option. Ordered and shipped as a separate line item.



# Performance Data

## Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

LEDs	Drive Current (mA)	System Watts	Dist. Type	30K					40K					50K					AMBER				
				Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
20C (20 LEDs)	350 mA	25W	T2S	2,783	1	0	1	111	2,989	1	0	1	120	3,007	1	0	1	120	1,720	1	0	1	69
			T2M	2,708	1	0	1	108	2,908	1	0	1	116	2,926	1	0	1	117	1,673	1	0	1	67
			T3S	2,748	1	0	1	110	2,951	1	0	1	118	2,970	1	0	1	119	1,698	0	0	1	68
			T3M	2,793	1	0	1	112	2,999	1	0	1	120	3,018	1	0	1	121	1,726	1	0	1	69
			T4M	2,756	1	0	1	110	2,959	1	0	1	118	2,978	1	0	1	119	1,703	0	0	1	68
			TFTM	2,754	1	0	1	110	2,957	1	0	1	118	2,975	1	0	1	119	1,701	0	0	1	68
	530 mA	36W	T2S	4,029	1	0	1	112	4,327	1	0	1	120	4,354	1	0	1	121	1,698	0	0	1	68
			T2M	3,920	1	0	1	109	4,210	1	0	1	117	4,236	1	0	1	118	1,726	1	0	1	69
			T3S	3,979	1	0	1	111	4,272	1	0	1	119	4,299	1	0	1	119	1,720	1	0	1	69
			T3M	4,044	1	0	1	112	4,342	1	0	2	121	4,369	1	0	2	121	1,701	0	0	1	68
			T4M	3,990	1	0	1	111	4,284	1	0	1	119	4,311	1	0	1	120	1,703	0	0	1	68
			TFTM	3,986	1	0	1	111	4,281	1	0	1	119	4,307	1	0	1	120	1,673	1	0	1	67
	700 mA	47W	T2S	5,130	1	0	1	109	5,509	1	0	1	117	5,544	1	0	1	118	2,473	1	0	1	69
			T2M	4,991	1	0	1	106	5,360	1	0	1	114	5,393	1	0	2	115	2,406	1	0	1	67
			T3S	5,066	1	0	1	108	5,440	1	0	1	116	5,474	1	0	1	116	2,442	1	0	1	68
			T3M	5,148	1	0	2	110	5,528	1	0	2	118	5,563	1	0	2	118	2,482	1	0	1	69
			T4M	5,080	1	0	1	108	5,455	1	0	1	116	5,489	1	0	2	117	2,449	1	0	1	68
			TFTM	5,076	1	0	1	108	5,450	1	0	1	116	5,484	1	0	2	117	2,447	1	0	1	68
	1000 mA	74W	T2S	7,148	1	0	1	97	7,675	1	0	1	104	7,723	1	0	1	104	3,060	1	0	1	65
			T2M	6,954	1	0	2	94	7,467	1	0	2	101	7,514	2	0	2	102	2,977	1	0	1	63
			T3S	7,058	1	0	1	95	7,579	1	0	1	102	7,626	1	0	2	103	3,021	1	0	1	64
			T3M	7,173	1	0	2	97	7,702	1	0	2	104	7,750	1	0	2	105	3,070	1	0	1	65
			T4M	7,077	1	0	2	96	7,599	1	0	2	103	7,647	1	0	2	103	3,029	1	0	1	64
			TFTM	7,071	1	0	2	96	7,593	1	0	2	103	7,641	1	0	2	103	3,027	1	0	1	64
30C (30 LEDs)	350 mA	36W	T2S	4,160	1	0	1	116	4,467	1	0	1	124	4,495	1	0	1	125	2,573	1	0	1	103
			T2M	4,047	1	0	1	112	4,346	1	0	1	121	4,373	1	0	1	121	2,503	1	0	1	100
			T3S	4,107	1	0	1	114	4,411	1	0	1	123	4,438	1	0	1	123	2,541	1	0	1	102
			T3M	4,174	1	0	1	116	4,482	1	0	2	125	4,511	1	0	2	125	2,582	1	0	1	103
			T4M	4,119	1	0	1	114	4,423	1	0	1	123	4,450	1	0	1	124	2,547	1	0	1	102
			TFTM	4,115	1	0	1	114	4,419	1	0	1	123	4,447	1	0	1	124	2,545	1	0	1	102
	530 mA	54W	T2S	6,001	1	0	1	111	6,444	1	0	1	119	6,485	1	0	1	120	2,573	1	0	1	71
			T2M	5,839	1	0	1	108	6,270	1	0	2	116	6,309	1	0	2	117	2,503	1	0	1	70
			T3S	5,926	1	0	1	110	6,363	1	0	1	118	6,403	1	0	1	119	2,541	1	0	1	71
			T3M	6,022	1	0	2	112	6,467	1	0	2	120	6,507	1	0	2	121	2,582	1	0	1	72
			T4M	5,942	1	0	1	110	6,381	1	0	2	118	6,420	1	0	2	119	2,547	1	0	1	71
			TFTM	5,937	1	0	1	110	6,375	1	0	2	118	6,415	1	0	2	119	2,545	1	0	1	71
	700 mA	71W	T2S	7,609	1	0	1	107	8,170	1	0	1	115	8,221	2	0	2	116	3,696	1	0	1	68
			T2M	7,402	1	0	2	104	7,949	2	0	2	112	7,999	2	0	2	113	3,596	1	0	1	67
			T3S	7,513	1	0	1	106	8,068	1	0	2	114	8,118	1	0	2	114	3,649	1	0	1	68
			T3M	7,635	1	0	2	108	8,199	1	0	2	115	8,250	2	0	3	116	3,709	1	0	2	69
			T4M	7,533	1	0	2	106	8,089	1	0	2	114	8,140	1	0	2	115	3,659	1	0	1	68
			TFTM	7,527	1	0	2	106	8,083	1	0	2	114	8,133	1	0	2	115	3,656	1	0	1	68
	1000 mA	109W	T2S	10,468	2	0	2	96	11,241	2	0	2	103	11,311	2	0	2	104	4,559	1	0	1	64
			T2M	10,184	2	0	2	93	10,936	2	0	2	100	11,004	2	0	2	101	4,436	1	0	2	62
			T3S	10,336	1	0	2	95	11,099	1	0	2	102	11,169	2	0	2	102	4,502	1	0	1	63
			T3M	10,505	2	0	3	96	11,280	2	0	3	103	11,351	2	0	3	104	4,575	1	0	2	64
			T4M	10,364	1	0	2	95	11,129	1	0	2	102	11,199	2	0	2	103	4,514	1	0	2	64
			TFTM	10,356	1	0	2	95	11,120	2	0	2	102	11,190	2	0	2	103	4,510	1	0	1	64

**Note:** Available with phosphor-converted amber LED's (nomenclature AMBPC). These LED's produce light with 97+% >530 nm. Output can be calculated by applying a 0.7 factor to 4000 K lumen values and photometric files.

## Performance Data

### Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient		Lumen Multiplier
0°C	32°F	1.02
10°C	50°F	1.01
20°C	68°F	1.00
<b>25°C</b>	<b>77°F</b>	<b>1.00</b>
30°C	86°F	1.00
40°C	104°F	0.98

### Electrical Load

LEDs	Drive Current (mA)	System Watts	Current (A)					
			120V	208V	240V	277V	347V	480V
20C	350	25 W	0.23	0.13	0.12	0.10	-	-
	530	36 W	0.33	0.19	0.17	0.14	-	-
	700	47 W	0.44	0.25	0.22	0.19	-	-
	1000	74 W	0.68	0.39	0.34	0.29	-	-
30C	350	36 W	0.33	0.19	0.17	0.14	-	-
	530	54 W	0.50	0.29	0.25	0.22	-	-
	700	71 W	0.66	0.38	0.33	0.28	0.23	0.16
	1000	109 W	1.01	0.58	0.50	0.44	-	-

### Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the **DSXW2 LED 30C 1000** platform in a **25°C ambient**, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

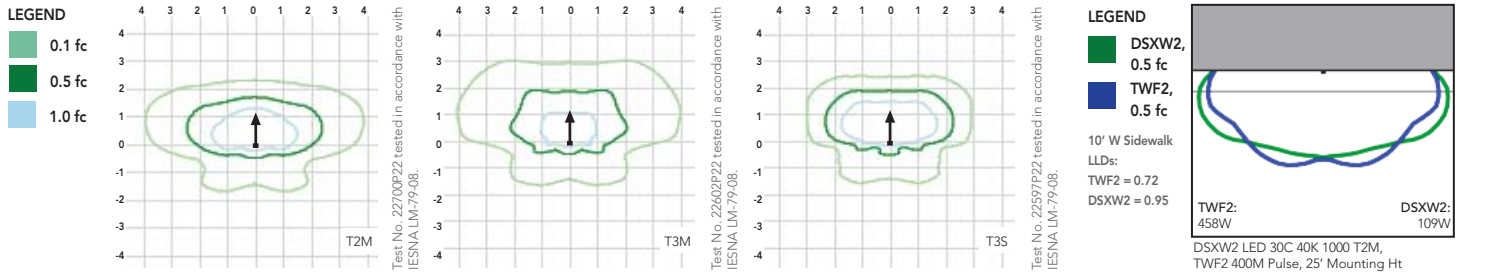
To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	1.0	0.95	0.92	0.87

## Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's [D-Series Wall Size 2 homepage](#).

Isofootcandle plots for the DSXW2 LED 30C 1000 40K. Distances are in units of mounting height (25').



## FEATURES & SPECIFICATIONS

### INTENDED USE

The energy savings, long life and easy-to-install design of the D-Series Wall Size 2 make it the smart choice for building-mounted doorway and pathway illumination for nearly any facility.

### CONSTRUCTION

Two-piece die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. Modular design allows for ease of maintenance. The LED driver is mounted to the door to thermally isolate it from the light engines for low operating temperature and long life. Housing is completely sealed against moisture and environmental contaminants (IP65).

### FINISH

Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Available in textured and non-textured finishes.

### OPTICS

Precision-molded proprietary acrylic lenses provide multiple photometric distributions tailored specifically to building mounted applications. Light engines are available in 3000 K (70 min. CRI), 4000 K (70 min. CRI) or 5000 K (70 min. CRI) configurations.

### ELECTRICAL

Light engine(s) consist of 10 high-efficacy LEDs mounted to a metal-core circuit board to maximize heat dissipation and promote long life (L87/100,000 hrs at 25°C). Class 1 electronic drivers have a power factor >90%, THD <20%, and a minimum 2.5KV surge rating. When ordering the SPD option, a separate surge protection device is installed within the luminaire which meets a minimum Category C Low (per ANSI/IEEE C62.41.2).

### INSTALLATION

Included universal mounting bracket attaches securely to any 4" round or square outlet box for quick and easy installation. Luminaire has a slotted gasket wireway and attaches to the mounting bracket via corrosion-resistant screws.

### LISTINGS

CSA certified to U.S. and Canadian standards. Rated for -40°C minimum ambient.

DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at [www.designlights.org](http://www.designlights.org) to confirm which versions are qualified.

### WARRANTY

Five-year limited warranty. Complete warranty terms located at [www.acuitybrands.com/CustomerResources/Terms\\_and\\_conditions.aspx](http://www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx).

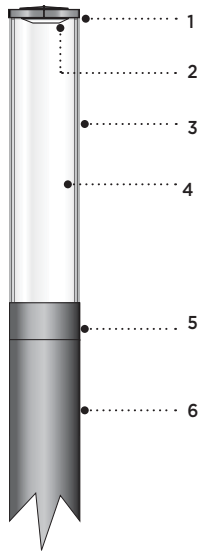
**Note:** Actual performance may differ as a result of end-user environment and application. All values are design or typical values, measured under laboratory conditions at 25 °C. Specifications subject to change without notice.



TYPE: \_\_\_\_\_ QUANTITY: \_\_\_\_\_ PROJECT: \_\_\_\_\_

CATALOG NUMBER:

FIXTURE    WATTAGE    COLUMN    VOLTAGE    FINISH    OPTION    OPTION    OPTION



- 1- Heavy cast aluminum top cover with embedded heat sink.
- 2- Optical system assembly.
- 3- Ø 6" (152) high impact UV stabilized clear acrylic cylinder. Available in 24" (610) clear acrylic length.
- 4- Ø 1/2" (13) aluminum struts.
- 5- Cast aluminum driver housing.
- 6- Ø 6" (152) extruded aluminum column.

CL621



**MATERIALS**

LumiSTIK column is made of 6061-T6 extruded aluminum alloy. All other cast parts are corrosion resistant 356 aluminum alloy with a copper (CU) content of less than 0.1%. COB LED is assembled on a thick pad housing chamber designed with a heat sink pattern to optimize heat dissipation and luminaire efficacy. The power supply is enclosed in an isolated chamber allowing quick access for electrical maintenance without disturbing the optical chamber. COB LED is removable and replaceable for ease of maintenance or lighting upgrade.

**CERTIFICATION**

Tested to UL1598 and CSA 22.2 #250. ETL listed wet location. Photometric testing performed by an independent laboratory in accordance with IES LM-79-08 standards at 25°C. Lumen depreciation in accordance with IESNA LM80 standards. CE certification on request. Rated IP65

**ELECTRICAL**

**LED**

**DRIVER** Standard driver is 0-10V dimming-ready (dims to 10%) with: 120-277 multi-volt compatibility (50-60HZ), operating temperature range of -30°C/-22°F to 60°C/140°F, output over voltage protection, output over current protection and output short circuit protection with auto-recovery.

**LED** Type III or V light distribution. Standard 4000K CCT/80 CRI. Optional 2700K, 3000K and 3500K. Removable modular LED platform.

**LIFE**

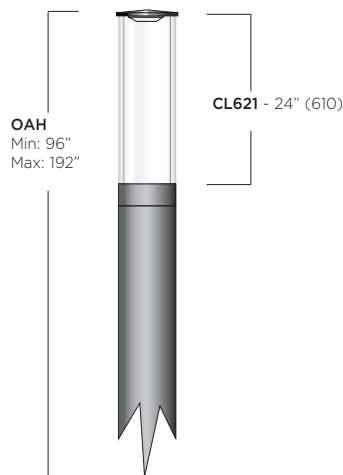
50,000hrs L<sub>85</sub>B<sub>50</sub> (based on IESNA TM-21 Test Method and LM-80 data).

**FINISH**

Five-stage preparation process including preheating of cast aluminum parts for air extraction, and an environmentally friendly alloy sealant. Polyester powder coating is applied through an electrostatic process and oven cured for long term finish.

**MOUNTING**

LumiSTIK column is designed for ease of access and installation. The cast aluminum base plate is secured with a set of (4) 3/4"-10 x 18"LG galvanized anchor bolts. Accessibility is done through a flush mount 2"X4" (100X178) hand hole cover plate.






### TYPICAL PHOTOMETRY SUMMARY

Please visit our web site [www.luminis.com](http://www.luminis.com) for complete I.E.S. formatted download data.

### LUMINAIRE SELECTION

<b>1 MODEL SELECTION</b> 	<b>2 LED LIGHT SELECTION (4000K/80CRI)</b> <table border="1"> <thead> <tr> <th></th> <th>SUFFIX</th> <th>INPUT WATTS</th> <th>DELIVERED LUMENS</th> </tr> </thead> <tbody> <tr> <td rowspan="2">Type III</td> <td><input type="checkbox"/> L1W18-R3</td> <td>18W</td> <td>1602</td> </tr> <tr> <td><input type="checkbox"/> L1W30-R3</td> <td>30W</td> <td>2580</td> </tr> <tr> <td rowspan="2">Type V</td> <td><input type="checkbox"/> L1W18-R5</td> <td>18W</td> <td>1602</td> </tr> <tr> <td><input type="checkbox"/> L1W30-R5</td> <td>30W</td> <td>2580</td> </tr> </tbody> </table>		SUFFIX	INPUT WATTS	DELIVERED LUMENS	Type III	<input type="checkbox"/> L1W18-R3	18W	1602	<input type="checkbox"/> L1W30-R3	30W	2580	Type V	<input type="checkbox"/> L1W18-R5	18W	1602	<input type="checkbox"/> L1W30-R5	30W	2580	<b>3 OAH COLUMN SELECTION</b> <table border="1"> <thead> <tr> <th>POLE FOR:</th> <th>OAH Assembly</th> </tr> <tr> <th></th> <th>CL621</th> </tr> </thead> <tbody> <tr> <td><input type="checkbox"/> CLP669</td> <td>96"</td> </tr> <tr> <td><input type="checkbox"/> CLP693</td> <td>120"</td> </tr> <tr> <td><input type="checkbox"/> CLP6117</td> <td>144"</td> </tr> <tr> <td><input type="checkbox"/> CLP6141</td> <td>168"</td> </tr> <tr> <td><input type="checkbox"/> CLP6165</td> <td>192"</td> </tr> </tbody> </table> <p>(OAH Column consists of acrylic + pole)</p>	POLE FOR:	OAH Assembly		CL621	<input type="checkbox"/> CLP669	96"	<input type="checkbox"/> CLP693	120"	<input type="checkbox"/> CLP6117	144"	<input type="checkbox"/> CLP6141	168"	<input type="checkbox"/> CLP6165	192"	<b>4 VOLTAGE<sup>1</sup></b> <input type="checkbox"/> 120V <input type="checkbox"/> 277V Optional <input type="checkbox"/> 347V	<b>5 FINISH</b> <b>STANDARD COLORS</b> <input type="checkbox"/> WHT Snow white <input type="checkbox"/> BKT Jet black <input type="checkbox"/> BZT Bronze <input type="checkbox"/> MST Matte silver <input type="checkbox"/> GRT Titanium gray <input type="checkbox"/> DGT Gun metal <input type="checkbox"/> CHT Champagne <input type="checkbox"/> SGT Steel Gray <input type="checkbox"/> BGT English Cream <b>OPTIONAL COLORS</b> Wood grain finishes <input type="checkbox"/> NMR Mahogany red <sup>2</sup> <input type="checkbox"/> NMO Maple oak <sup>2</sup> <input type="checkbox"/> NTW Teak wood <sup>2</sup> Base column only <input type="checkbox"/> CS Custom color <input type="checkbox"/> RAL RAL# color (Refer to color chart)
	SUFFIX	INPUT WATTS	DELIVERED LUMENS																																	
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**NOTE:** LumiSTIK column is composed of five parts. Please specify: Model #, LED light source, OAH column, voltage and finish. Ex: CL621-L1W30-R3-CLP8115-120-BKT

### OPTIONS

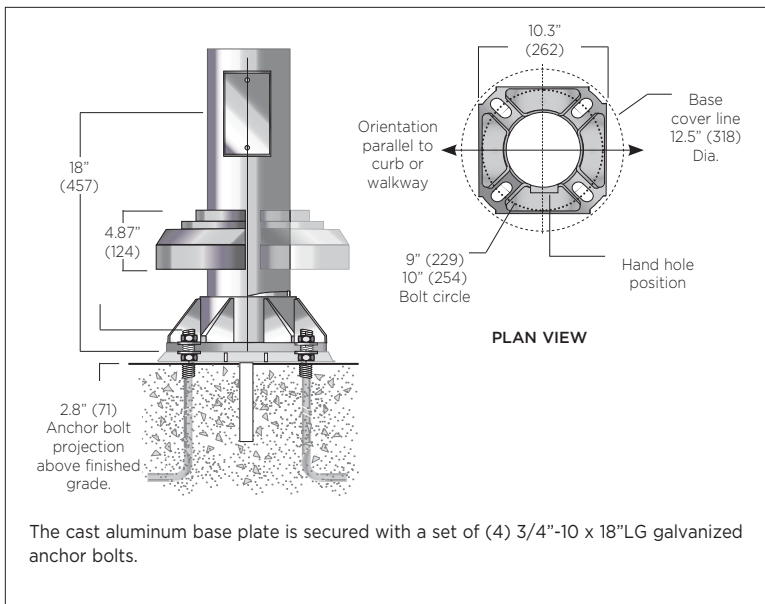
<b>ELECTRICAL</b> <input type="checkbox"/> <b>FS</b> Fuse <sup>3</sup> <input type="checkbox"/> <b>PH</b> Photocell <sup>5</sup> <input type="checkbox"/> <b>347L</b> 347V input power driver <input type="checkbox"/> <b>SP</b> Surge protector 10KV <b>ACCESSORIES</b> <input type="checkbox"/> <b>GFI</b> Ground fault interruption receptacle <sup>4</sup> <input type="checkbox"/> <b>CGF</b> Ground fault interruption with clear in-use cover <sup>4</sup> <input type="checkbox"/> <b>BNF</b> Fixed banner support (single arm at top) <sup>5</sup> <input type="checkbox"/> <b>2BNF</b> Fixed 24" banner supports (arm at top & bottom) <sup>5</sup> <input type="checkbox"/> <b>BNF180</b> Fixed 24" banner supports at 180° (arms at top only) <sup>5</sup> <input type="checkbox"/> <b>2BNF180</b> Two fixed 24" banner supports at 180° (arms at top & bottom) <sup>5</sup>	<b>LIGHT</b> Alternate CCT °K LED (LCF: Lumen conversion factor) <input type="checkbox"/> <b>K27</b> 2700K CCT 80 CRI (LCF: 0.91) <input type="checkbox"/> <b>K3</b> 3000K CCT 80 CRI (LCF: 0.94) <input type="checkbox"/> <b>K35</b> 3500K CCT 80 CRI (LCF: 0.98) NOTE: Other CCT & higher CRI available, please consult factory.
---	---

**NOTES**

- Luminaires are factory prewired for 120V (if no voltage is specified.) For other voltages, please specify with catalog number, or consult factory.
- Cast aluminum top & base covers are as follows for selected wood grain finishes: BZT paired with NMR; SGT paired with NMO; BGT paired with NTW (Other colors available. Please contact factory).
- Fuse and photocell options are normally installed with poles when specified with Luminis luminaires (except for other types of mounting).
- GFI and CGF options are installed 24" above grade unless otherwise specified.
- BNF, 2BNF, BNF180 & 2BNF180 are factory set in position as required. Location along pole to be specified.



**MOUNTING INFORMATION**





# D-Series Size 1 LED Area Luminaire

d#series



**TYPE: Z2H**

Catalog Number

Notes

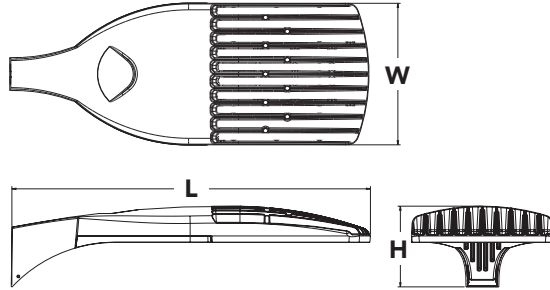
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Hit the Tab key or mouse over the page to see all interactive elements.

## Introduction

The modern styling of the D-Series is striking yet unobtrusive - making a bold, progressive statement even as it blends seamlessly with its environment.

The D-Series distills the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire. The outstanding photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. It is ideal for replacing up to 750W metal halide in pedestrian and area lighting applications with typical energy savings of 65% and expected service life of over 100,000 hours.



## Specifications

<b>EPA:</b>	1.01 ft <sup>2</sup> (0.09 m <sup>2</sup> )
<b>Length:</b>	33" (83.8 cm)
<b>Width:</b>	13" (33.0 cm)
<b>Height:</b>	7-1/2" (19.0 cm)
<b>Weight (max):</b>	27 lbs (12.2 kg)

## Ordering Information

**EXAMPLE: DSX1 LED 60C 1000 40K T3M MVOLT SPA DDBXD**

DSX1LED	Series	LEDs	Drive current	Color temperature	Distribution	Voltage	Mounting	
	<b>DSX1 LED</b>	<b>Forward optics</b> 30C 30 LEDs (one engine) 40C 40 LEDs (two engines) <b>60C 60 LEDs (two engines)</b> <b>Rotated optics<sup>1</sup></b> 60C 60 LEDs (two engines)	530 530 mA <b>700 700 mA</b> 1000 1000 mA (1 A) <sup>2</sup>	30K 3000 K <b>40K 4000 K</b> 50K 5000 K AMBPC Amber phosphor converted <sup>3</sup>	T1S Type I short T2S Type II short <b>T2M Type II medium</b> T3S Type III short T3M Type III medium T4M Type IV medium TFTM Forward throw medium T5VS Type V very short	T5S Type V short T5M Type V medium T5W Type V wide BLC Backlight control <sup>2,4</sup> LCCO Left corner cutoff <sup>2,4</sup> RCCO Right corner cutoff <sup>2,4</sup>	MVOLT <sup>5</sup> 120 <sup>5</sup> 208 <sup>5</sup> 240 <sup>5</sup> 277 <sup>5</sup> 347 <sup>6</sup> <b>480<sup>6</sup></b>	<b>Shipped included</b> SPA Square pole mounting RPA Round pole mounting WBA Wall bracket SPUMBA Square pole universal mounting adaptor <sup>7</sup> RPUMBA Round pole universal mounting adaptor <sup>7</sup> <b>Shipped separately</b> KMA8 DDBXD U Mast arm mounting bracket adaptor (specify finish) <sup>8</sup>

Control options	Other options	Finish (required)
<b>Shipped installed</b> PER NEMA twist-lock receptacle only (no controls) <sup>9</sup> PER5 Five-wire receptacle only (no controls) <sup>9,10</sup> PER7 Seven-wire receptacle only (no controls) <sup>9,10</sup> DMG 0-10V dimming driver (no controls) <sup>11</sup> DCR Dimmable and controllable via ROAM <sup>®</sup> (no controls) <sup>12</sup> DS Dual switching <sup>13,14</sup> PIR Bi-level, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 5fc <sup>15</sup> <b>PIRH Bi-level, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 5fc<sup>15</sup></b> PIR1FC3V Bi-level, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc <sup>15</sup>	PIRH1FC3V Bi-level, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc <sup>15</sup> BL30 Bi-level switched dimming, 30% <sup>14,16</sup> BL50 Bi-level switched dimming, 50% <sup>14,16</sup> PNMTDD3 Part night, dim till dawn <sup>17</sup> PNMT5D3 Part night, dim 5 hrs <sup>17</sup> PNMT6D3 Part night, dim 6 hrs <sup>17</sup> PNMT7D3 Part night, dim 7 hrs <sup>17</sup> FAO Field adjustable output <sup>18</sup>	<b>Shipped installed</b> HS House-side shield <sup>19</sup> WTB Utility terminal block <sup>20</sup> SF Single fuse (120, 277, 347V) <sup>21</sup> <b>DF Double fuse (208, 240, 480V)<sup>21</sup></b> L90 Left rotated optics <sup>22</sup> R90 Right rotated optics <sup>22</sup> BS Bird spikes
		DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White DDBTXD Textured dark bronze DDBLXD Textured black <b>DNATXD Textured natural aluminum</b> DWHGXD Textured white

Accessories	Controls & Shields
Ordered and shipped separately.	DLL127F 1.5 JU Photocell - SSL twist-lock (120-277V) <sup>23</sup>
	DLL347F 1.5 CUL JU Photocell - SSL twist-lock (347V) <sup>23</sup>
	DLL480F 1.5 CUL JU Photocell - SSL twist-lock (480V) <sup>23</sup>
	DSHORT SBK U Shorting cap <sup>23</sup>
	DSX1HS 30C U House-side shield for 30 LED unit <sup>19</sup>
	DSX1HS 40C U House-side shield for 40 LED unit <sup>19</sup>
	DSX1HS 60C U House-side shield for 60 LED unit <sup>19</sup>
	PUMBA DDBXD U* Square and round pole universal mounting bracket (specify finish) <sup>24</sup>
	KMA8 DDBXD U Mast arm mounting bracket adaptor (specify finish) <sup>8</sup>

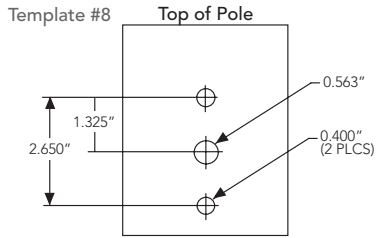
**NOTES**

- Rotated optics available with 60C only.
- Not available AMBPC.
- Only available with 530mA or 700mA.
- Not available with HS.
- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz). Specify 120V, 208V, 240V or 277V options only when ordering with fusing (SF, DF options).
- Not available with single board, 530mA product (30C 530 or 60C 530 DS). Not available with BL30, BL50 or PNMT options.
- Existing drilled pole only. Available as a separate combination accessory; for retrofit use only: PUMBA (finish) U; 1.5 G vibration load rating per ANCI C136.31.
- Must order fixture with SPA option. Must be ordered as a separate accessory; see Accessories information. For use with 2-3/8" mast arm (not included).
- Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Not available with DS option.
- If ROAM<sup>®</sup> node required, it must be ordered and shipped as a separate line item from Acuity Brands Controls. Not available with DCR. Node with integral dimming.
- DMG option for 347V or 480V requires 1000mA.
- Specifies a ROAM<sup>®</sup> enabled luminaire with 0-10V dimming capability; PER option required. Additional hardware and services required for ROAM<sup>®</sup> deployment; must be purchased separately. Call 1-800-442-6745 or email: sales@roamservices.net. N/A with PIR options, DS, PER5, BL30, BL50 or PNMT options. Node without integral dimming.

- Requires 40C or 60C. Provides 50/50 luminaire operation via two independent drivers on two separate circuits. N/A with PER, DCR, WTB, PIR or PIRH.
- Requires an additional switched circuit.
- PIR and PIR1FC3V specify the SensorSwitch SBGR-10-ODP control; PIRH and PIRH1FC3V specify the SensorSwitch SBGR-6-ODP control; see Outdoor Control Technical Guide for details. Dimming driver standard. Not available with PER5 or PER7. Ambient sensor disabled when ordered with DCR. Separate on/off required.
- Dimming driver standard. MVOLT only. Not available with 347V, 480V, DCR, DS, PER5, PER7 or PNMT options. Not available with PIR1FC3V or PIRH1FC3V.
- Dimming driver standard. MVOLT only. Not available with 347V, 480V, DCR, DS, PER5, PER7, BL30 or BL50. Not available with PIR1FC3V or PIRH1FC3V. Separate on/off required.
- Dimming driver standard. Not available with PER5, PER7, DMG, DCR, DS, BL30, BL50 or PNMT, PIR, PIRH, PIR1FC3V or PIRH1FC3V.
- Not available with BLC, LCCO and RCCO distribution. Also available as a separate accessory; see Accessories information.
- WTB not available with DS.
- Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
- Available with 60 LEDs (60C option) only.
- Requires luminaire to be specified with PER option. Ordered and shipped as a separate line item from Acuity Brands Controls.
- For retrofit use only.



## Drilling



DSX1 shares a unique drilling pattern with the AERIS™ family. Specify this drilling pattern when specifying poles, per the table below.

<b>DM19AS</b>	Single unit	<b>DM29AS</b>	2 at 90°**
<b>DM28AS</b>	2 at 180°	<b>DM39AS</b>	3 at 90°**
<b>DM49AS</b>	4 at 90°**	<b>DM32AS</b>	3 at 120°**

**Example:** SSA 20 4C DM19AS DDBXD

Visit Lithonia Lighting's [POLES CENTRAL](#) to see our wide selection of poles, accessories and educational tools.

\*Round pole top must be 3.25" O.D. minimum.

\*\*Far round pole mounting (RPA) only.

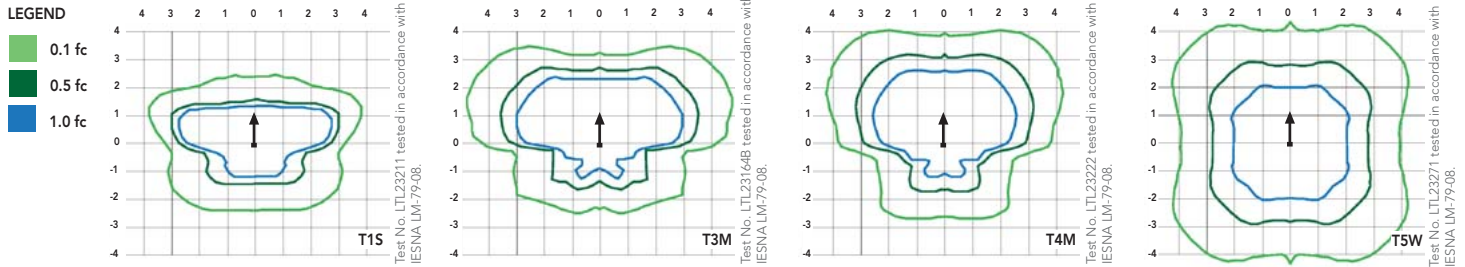
## Tenon Mounting Slipfitter\*\*

Tenon O.D.	Single Unit	2 at 180°	2 at 90°	3 at 120°	3 at 90°	4 at 90°
2-3/8"	AST20-190	AST20-280	AST20-290	AST20-320	AST20-390	AST20-490
2-7/8"	AST25-190	AST25-280	AST25-290	AST25-320	AST25-390	AST25-490
4"	AST35-190	AST35-280	AST35-290	AST35-320	AST35-390	AST35-490

## Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's [D-Series Area Size 1 homepage](#).

Isofootcandle plots for the DSX1 LED 60C 1000 40K. Distances are in units of mounting height (20').



## Performance Data

### Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient		Lumen Multiplier
0°C	32°F	1.02
10°C	50°F	1.01
20°C	68°F	1.00
<b>25°C</b>	<b>77°F</b>	<b>1.00</b>
30°C	86°F	1.00
40°C	104°F	0.99

### Electrical Load

Number of LEDs	Drive Current (mA)	System Watts	Current (A)					
			120	208	240	277	347	480
30	530	52	0.52	0.30	0.26	0.23	--	--
	700	68	0.68	0.39	0.34	0.30	0.24	0.17
	1000	105	1.03	0.59	0.51	0.45	0.36	0.26
40	530	68	0.67	0.39	0.34	0.29	0.23	0.17
	700	89	0.89	0.51	0.44	0.38	0.31	0.22
	1000	138	1.35	0.78	0.67	0.58	0.47	0.34
60	530	99	0.97	0.56	0.48	0.42	0.34	0.24
	700	131	1.29	0.74	0.65	0.56	0.45	0.32
	1000	209	1.98	1.14	0.99	0.86	0.69	0.50

### Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a 25°C ambient, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	DSX1 LED 60C 1000			
	1.0	0.98	0.96	0.91
	DSX1 LED 60C 700			
	1.0	0.99	0.99	0.99

# Performance Data

## Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Forward Optics																							
LEDs	Drive Current (mA)	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)					AMBPC (Amber Phosphor Converted)				
				Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
30C (30 LEDs)	530 mA	52 W	T1S	5,948	1	0	1	114	6,387	1	0	1	123	6,427	1	0	1	124	3,640	1	0	1	70
			T2S	6,132	1	0	1	118	6,585	2	0	2	127	6,626	2	0	2	127	3,813	1	0	1	73
			T2M	5,992	1	0	2	115	6,434	1	0	2	124	6,475	1	0	2	125	3,689	1	0	1	71
			T3S	5,985	1	0	1	115	6,427	1	0	2	124	6,467	1	0	2	124	3,770	1	0	1	73
			T3M	6,039	1	0	2	116	6,485	1	0	2	125	6,525	1	0	2	125	3,752	1	0	1	72
			T4M	6,121	1	0	2	118	6,573	1	0	2	126	6,614	1	0	2	127	3,758	1	0	1	72
			TFTM	6,030	1	0	2	116	6,475	1	0	2	125	6,515	1	0	2	125	3,701	1	0	1	71
			TSVS	6,370	2	0	0	123	6,840	2	0	0	132	6,883	2	0	0	132	3,928	2	0	0	76
			T5S	6,417	2	0	0	123	6,890	2	0	0	133	6,933	2	0	0	133	3,881	2	0	0	75
			T5M	6,428	3	0	1	124	6,902	3	0	1	133	6,945	3	0	1	134	3,930	2	0	1	76
			T5W	6,334	3	0	1	122	6,801	3	0	1	131	6,844	3	0	1	132	3,820	3	0	1	73
			BLC	4,735	1	0	1	91	5,085	1	0	2	98	5,116	1	0	1	98					
			LCCO	4,600	1	0	2	88	4,940	1	0	2	95	4,971	1	0	2	96					
			RCCO	4,600	1	0	2	88	4,940	1	0	2	95	4,971	1	0	2	96					
			T1S	7,554	1	0	1	111	8,112	2	0	2	119	8,163	2	0	2	120	4,561	1	0	1	67
	T2S	7,789	2	0	2	115	8,364	2	0	2	123	8,416	2	0	2	124	4,777	1	0	1	70		
	T2M	7,610	1	0	2	112	8,172	2	0	2	120	8,223	2	0	2	121	4,622	1	0	2	68		
	T3S	7,601	1	0	2	112	8,162	2	0	2	120	8,213	2	0	2	121	4,724	1	0	1	69		
	T3M	7,670	1	0	2	113	8,236	2	0	2	121	8,288	2	0	2	122	4,701	1	0	2	69		
	T4M	7,774	1	0	2	114	8,348	2	0	2	123	8,400	2	0	2	124	4,709	1	0	2	69		
	TFTM	7,658	1	0	2	113	8,223	1	0	2	121	8,275	1	0	2	122	4,638	1	0	2	68		
	TSVS	8,090	2	0	0	119	8,687	3	0	1	128	8,742	3	0	1	129	4,922	2	0	0	72		
	T5S	8,150	2	0	0	120	8,751	3	0	0	129	8,806	3	0	0	130	4,863	2	0	0	72		
	T5M	8,164	3	0	1	120	8,767	3	0	2	129	8,821	3	0	2	130	4,924	3	0	1	72		
	T5W	8,044	3	0	1	118	8,638	3	0	2	127	8,692	3	0	2	128	4,787	3	0	1	70		
	BLC	6,028	1	0	2	89	6,473	1	0	2	95	6,514	1	0	2	96							
	LCCO	5,856	1	0	2	86	6,289	1	0	2	92	6,328	1	0	2	93							
	RCCO	5,856	1	0	2	86	6,289	1	0	2	92	6,328	1	0	2	93							
	T1S	10,331	2	0	2	98	11,094	2	0	2	106	11,163	2	0	2	106							
	T2S	10,652	2	0	2	101	11,438	2	0	2	109	11,510	2	0	2	110							
	T2M	10,408	2	0	2	99	11,176	2	0	3	106	11,246	2	0	3	107							
	T3S	10,395	2	0	2	99	11,163	2	0	2	106	11,233	2	0	2	107							
	T3M	10,490	2	0	2	100	11,264	2	0	2	107	11,335	2	0	2	108							
	T4M	10,632	2	0	2	101	11,417	2	0	2	109	11,488	2	0	2	109							
	TFTM	10,473	2	0	2	100	11,247	2	0	3	107	11,317	2	0	3	108							
	TSVS	11,064	3	0	1	105	11,881	3	0	1	113	11,955	3	0	1	114							
	T5S	11,145	3	0	1	106	11,968	3	0	1	114	12,043	3	0	1	115							
	T5M	11,165	3	0	2	106	11,989	4	0	2	114	12,064	4	0	2	115							
	T5W	11,001	3	0	2	105	11,813	4	0	2	113	11,887	4	0	2	113							
	BLC	7,960	1	0	2	76	8,548	1	0	2	81	8,601	1	0	2	82							
	LCCO	7,734	1	0	2	74	8,305	1	0	2	79	8,357	1	0	2	80							
	RCCO	7,734	1	0	2	74	8,305	1	0	2	79	8,357	1	0	2	80							

# Performance Data

## Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Forward Optics																										
LEDs	Drive Current (mA)	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)					AMBPC (Amber Phosphor Converted)							
				Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW			
40C (40 LEDs)	530 mA	68 W	T1S	7,861	1	0	1	116	8,441	2	0	2	124	8,494	2	0	2	125	4,794	1	0	1	71			
			T2S	8,105	2	0	2	119	8,704	2	0	2	128	8,758	2	0	2	129	5,021	1	0	1	74			
			T2M	7,920	2	0	2	116	8,504	2	0	2	125	8,557	2	0	2	126	4,858	1	0	2	71			
			T3S	7,910	1	0	2	116	8,494	2	0	2	125	8,547	2	0	2	126	4,966	1	0	1	73			
			T3M	7,982	2	0	2	117	8,571	2	0	2	126	8,625	2	0	2	127	4,941	1	0	2	73			
			T4M	8,090	1	0	2	119	8,687	2	0	2	128	8,741	2	0	2	129	4,950	1	0	2	73			
			TFTM	7,969	1	0	2	117	8,558	2	0	2	126	8,611	2	0	2	127	4,875	1	0	2	72			
			TSVS	8,419	2	0	0	124	9,040	3	0	1	133	9,097	3	0	1	134	5,174	2	0	0	76			
			T5S	8,481	2	0	0	125	9,107	3	0	1	134	9,164	3	0	1	135	5,111	2	0	0	75			
			T5M	8,496	3	0	1	125	9,123	3	0	2	134	9,180	3	0	2	135	5,175	3	0	1	76			
			TSW	8,371	3	0	2	123	8,989	3	0	2	132	9,045	3	0	2	133	5,031	3	0	1	74			
			BLC	6,255	1	0	2	92	6,717	1	0	2	99	6,759	1	0	2	99								
			LCCO	6,077	1	0	2	89	6,526	1	0	2	96	6,566	1	0	2	97								
			RCCO	6,077	1	0	2	89	6,526	1	0	2	96	6,566	1	0	2	97								
						T1S	9,984	2	0	2	112	10,721	2	0	2	120	10,788	2	0	2	121	6,014	1	0	1	68
						T2S	10,294	2	0	2	116	11,054	2	0	2	124	11,123	2	0	2	125	6,299	2	0	2	71
						T2M	10,059	2	0	2	113	10,801	2	0	3	121	10,869	2	0	3	122	6,094	2	0	2	68
						T3S	10,046	2	0	2	113	10,788	2	0	2	121	10,855	2	0	2	122	6,229	1	0	2	70
						T3M	10,137	2	0	2	114	10,886	2	0	2	122	10,954	2	0	2	123	6,198	2	0	2	70
						T4M	10,275	2	0	2	115	11,033	2	0	2	124	11,102	2	0	2	125	6,209	1	0	2	70
				TFTM	10,122	2	0	2	114	10,869	2	0	2	122	10,937	2	0	2	123	6,115	1	0	2	69		
				TSVS	10,693	3	0	1	120	11,482	3	0	1	129	11,554	3	0	1	130	6,490	2	0	0	73		
				T5S	10,771	3	0	1	121	11,566	3	0	1	130	11,639	3	0	1	131	6,411	2	0	0	72		
				T5M	10,790	3	0	2	121	11,587	4	0	2	130	11,659	4	0	2	131	6,492	3	0	1	73		
				TSW	10,632	3	0	2	119	11,417	4	0	2	128	11,488	4	0	2	129	6,311	3	0	2	71		
				BLC	7,963	1	0	2	89	8,551	1	0	2	96	8,605	1	0	2	97							
				LCCO	7,736	1	0	2	87	8,308	1	0	2	93	8,359	1	0	2	94							
				RCCO	7,736	1	0	2	87	8,308	1	0	2	93	8,359	1	0	2	94							
		700 mA	91 W	T1S	13,655	2	0	2	99	14,663	3	0	3	106	14,754	3	0	3	107							
						T2S	14,079	2	0	2	102	15,118	3	0	3	110	15,212	3	0	3	110					
						T2M	13,756	2	0	3	100	14,772	3	0	3	107	14,864	3	0	3	108					
						T3S	13,739	2	0	2	100	14,754	2	0	2	107	14,846	3	0	3	108					
						T3M	13,864	2	0	2	100	14,888	3	0	3	108	14,981	3	0	3	109					
						T4M	14,052	2	0	2	102	15,090	3	0	3	109	15,184	3	0	3	110					
						TFTM	13,842	2	0	3	100	14,864	2	0	3	108	14,957	2	0	3	108					
						TSVS	14,623	3	0	1	106	15,703	4	0	1	114	15,801	4	0	1	115					
						T5S	14,731	3	0	1	107	15,818	3	0	1	115	15,917	3	0	1	115					
						T5M	14,757	4	0	2	107	15,846	4	0	2	115	15,945	4	0	2	116					
						TSW	14,540	4	0	2	105	15,614	4	0	2	113	15,711	4	0	2	114					
						BLC	10,516	1	0	2	76	11,292	1	0	2	82	11,363	1	0	2	82					
	1000 mA	138 W	LCCO	10,216	2	0	3	74	10,971	2	0	3	80	11,039	2	0	3	80								
					RCCO	10,216	2	0	3	74	10,971	2	0	3	80	11,039	2	0	3	80						

# Performance Data

## Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Forward Optics																							
LEDs	Drive Current (mA)	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)					AMBPC (Amber Phosphor Converted)				
				Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
60C (60 LEDs)	530 mA	99 W	T1S	11,569	2	0	2	117	12,423	2	0	2	125	12,501	2	0	2	126	7,167	2	0	2	72
			T2S	11,928	2	0	2	120	12,809	3	0	3	129	12,889	3	0	3	130	7,507	2	0	2	76
			T2M	11,655	2	0	2	118	12,516	2	0	3	126	12,594	2	0	3	127	7,263	2	0	2	73
			T3S	11,641	2	0	2	118	12,500	2	0	2	126	12,579	2	0	2	127	7,424	2	0	2	75
			T3M	11,747	2	0	2	119	12,614	2	0	2	127	12,693	2	0	2	128	7,387	2	0	2	75
			T4M	11,906	2	0	2	120	12,785	2	0	2	129	12,865	2	0	2	130	7,400	2	0	2	75
			TFTM	11,728	2	0	2	118	12,594	2	0	3	127	12,673	2	0	3	128	7,288	1	0	2	74
			TSVS	12,390	3	0	1	125	13,305	3	0	1	134	13,388	3	0	1	135	7,734	3	0	1	78
			T5S	12,481	3	0	1	126	13,402	3	0	1	135	13,486	3	0	1	136	7,641	3	0	0	77
			T5M	12,503	3	0	2	126	13,426	4	0	2	136	13,510	4	0	2	136	7,737	3	0	2	78
			TSW	12,320	4	0	2	124	13,229	4	0	2	134	13,312	4	0	2	134	7,522	3	0	2	76
			BLC	9,212	1	0	2	93	9,892	1	0	2	100	9,954	1	0	2	101					
			LCCO	8,950	1	0	2	90	9,611	2	0	2	97	9,671	2	0	2	98					
			RCCO	8,950	1	0	2	90	9,611	2	0	2	97	9,671	2	0	2	98					
			T1S	14,694	2	0	2	112	15,779	3	0	3	120	15,877	3	0	3	121	8,952	2	0	2	68
	T2S	15,150	3	0	3	116	16,269	3	0	3	124	16,370	3	0	3	125	9,377	2	0	2	72		
	T2M	14,803	2	0	3	113	15,896	3	0	3	121	15,995	3	0	3	122	9,072	2	0	2	69		
	T3S	14,785	2	0	2	113	15,877	3	0	3	121	15,976	3	0	3	122	9,273	2	0	2	71		
	T3M	14,919	2	0	2	114	16,021	3	0	3	122	16,121	3	0	3	123	9,227	2	0	2	70		
	T4M	15,122	2	0	2	115	16,238	3	0	3	124	16,340	3	0	3	125	9,243	2	0	2	71		
	TFTM	14,896	2	0	3	114	15,996	2	0	3	122	16,096	2	0	3	123	9,103	2	0	2	69		
	TSVS	15,736	3	0	1	120	16,898	4	0	1	129	17,004	4	0	1	130	9,661	3	0	1	74		
	T5S	15,852	3	0	1	121	17,022	4	0	1	130	17,129	4	0	1	131	9,544	3	0	1	73		
	T5M	15,880	4	0	2	121	17,052	4	0	2	130	17,159	4	0	2	131	9,665	3	0	2	74		
	TSW	15,647	4	0	2	119	16,802	4	0	2	128	16,907	4	0	2	129	9,395	4	0	2	72		
	BLC	11,728	1	0	2	90	12,594	1	0	2	96	12,672	3	0	3	97							
	LCCO	11,394	2	0	3	87	12,235	2	0	3	93	12,311	2	0	3	94							
	RCCO	11,394	2	0	3	87	12,235	2	0	3	93	12,311	2	0	3	94							
	T1S	20,095	3	0	3	96	21,579	3	0	3	103	21,714	3	0	3	104							
	T2S	20,720	3	0	3	99	22,249	3	0	3	106	22,388	3	0	3	107							
	T2M	20,245	3	0	3	97	21,740	3	0	3	104	21,876	3	0	3	105							
	T3S	20,220	3	0	3	97	21,713	3	0	3	104	21,849	3	0	3	105							
	T3M	20,404	3	0	3	98	21,910	3	0	4	105	22,047	3	0	4	105							
	T4M	20,681	3	0	3	99	22,207	3	0	4	106	22,346	3	0	4	107							
	TFTM	20,372	3	0	3	97	21,876	3	0	4	105	22,013	3	0	4	105							
	TSVS	21,521	4	0	1	103	23,110	4	0	1	111	23,254	4	0	1	111							
	T5S	21,679	4	0	1	104	23,280	4	0	1	111	23,425	4	0	1	112							
	T5M	21,717	4	0	2	104	23,321	5	0	3	112	23,466	5	0	3	112							
	TSW	21,399	4	0	3	102	22,979	5	0	3	110	23,122	5	0	3	111							
	BLC	15,487	2	0	2	74	16,630	2	0	2	80	16,734	2	0	3	80							
	LCCO	15,046	2	0	3	72	16,157	2	0	3	77	16,258	2	0	3	78							
	RCCO	15,046	2	0	3	72	16,157	2	0	3	77	16,258	2	0	3	78							

## Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

L90 and R90 Rotated Optics																							
LEDs	Drive Current (mA)	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)					AMBPC (Amber Phosphor Converted)				
				Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
60C (60 LEDs)	530 mA	99 W	T1S	11,569	2	0	2	117	12,423	2	0	2	125	12,501	2	0	2	126	7,167	2	0	2	72
			T2S	11,928	2	0	2	120	12,809	3	0	3	129	12,889	3	0	3	130	7,507	2	0	2	76
			T2M	11,655	2	0	2	118	12,516	2	0	3	126	12,594	2	0	3	127	7,263	2	0	2	73
			T3S	11,641	2	0	2	118	12,500	2	0	2	126	12,579	2	0	2	127	7,424	2	0	2	75
			T3M	11,747	2	0	2	119	12,614	2	0	2	127	12,693	2	0	2	128	7,387	2	0	2	75
			T4M	11,906	2	0	2	120	12,785	2	0	2	129	12,865	2	0	2	130	7,400	2	0	2	75
			TFTM	11,728	2	0	2	118	12,594	2	0	3	127	12,673	2	0	3	128	7,288	1	0	2	74
			TSVS	12,390	3	0	1	125	13,305	3	0	1	134	13,388	3	0	1	135	7,734	3	0	1	78
			T5S	12,481	3	0	1	126	13,402	3	0	1	135	13,486	3	0	1	136	7,641	3	0	0	77
			T5M	12,503	3	0	2	126	13,426	4	0	2	136	13,510	4	0	2	136	7,737	3	0	2	78
			TSW	12,320	4	0	2	124	13,229	4	0	2	134	13,312	4	0	2	134	7,522	3	0	2	76
			BLC	9,212	1	0	2	93	9,892	1	0	2	100	9,954	1	0	2	101					
			LCCO	8,950	1	0	2	90	9,611	2	0	2	97	9,671	2	0	2	98					
			RCCO	8,950	1	0	2	90	9,611	2	0	2	97	9,671	2	0	2	98					
			T1S	14,694	2	0	2	112	15,779	3	0	3	120	15,877	3	0	3	121	8,952	2	0	2	68
			T2S	15,150	3	0	3	116	16,269	3	0	3	124	16,370	3	0	3	125	9,377	2	0	2	72
			T2M	14,803	2	0	3	113	15,896	3	0	3	121	15,995	3	0	3	122	9,072	2	0	2	69
			T3S	14,785	2	0	2	113	15,877	3	0	3	121	15,976	3	0	3	122	9,273	2	0	2	71
	T3M	14,919	2	0	2	114	16,021	3	0	3	122	16,121	3	0	3	123	9,227	2	0	2	70		
	T4M	15,122	2	0	2	115	16,238	3	0	3	124	16,340	3	0	3	125	9,243	2	0	2	71		
	TFTM	14,896	2	0	3	114	15,996	2	0	3	122	16,096	2	0	3	123	9,103	2	0	2	69		
	TSVS	15,736	3	0	1	120	16,898	4	0	1	129	17,004	4	0	1	130	9,661	3	0	1	74		
	T5S	15,852	3	0	1	121	17,022	4	0	1	130	17,129	4	0	1	131	9,544	3	0	1	73		
	T5M	15,880	4	0	2	121	17,052	4	0	2	130	17,159	4	0	2	131	9,665	3	0	2	74		
	TSW	15,647	4	0	2	119	16,802	4	0	2	128	16,907	4	0	2	129	9,395	4	0	2	72		
	BLC	11,728	1	0	2	90	12,594	1	0	2	96	12,672	3	0	3	97							
	LCCO	11,394	2	0	3	87	12,235	2	0	3	93	12,311	2	0	3	94							
	RCCO	11,394	2	0	3	87	12,235	2	0	3	93	12,311	2	0	3	94							
	T1S	20,095	3	0	3	96	21,579	3	0	3	103	21,714	3	0	3	104							
	T2S	20,720	3	0	3	99	22,249	3	0	3	106	22,388	3	0	3	107							
	T2M	20,245	3	0	3	97	21,740	3	0	3	104	21,876	3	0	3	105							
	T3S	20,220	3	0	3	97	21,713	3	0	3	104	21,849	3	0	3	105							
	T3M	20,404	3	0	3	98	21,910	3	0	4	105	22,047	3	0	4	105							
	T4M	20,681	3	0	3	99	22,207	3	0	4	106	22,346	3	0	4	107							
	TFTM	20,372	3	0	3	97	21,876	3	0	4	105	22,013	3	0	4	105							
	TSVS	21,521	4	0	1	103	23,110	4	0	1	111	23,254	4	0	1	111							
	T5S	21,679	4	0	1	104	23,280	4	0	1	111	23,425	4	0	1	112							
	T5M	21,717	4	0	2	104	23,321	5	0	3	112	23,466	5	0	3	112							
	TSW	21,399	4	0	3	102	22,979	5	0	3	110	23,122	5	0	3	111							
	BLC	15,487	2	0	2	74	16,630	2	0	2	80	16,734	2	0	3	80							
	LCCO	15,046	2	0	3	72	16,157	2	0	3	77	16,258	2	0	3	78							
	RCCO	15,046	2	0	3	72	16,157	2	0	3	77	16,258	2	0	3	78							

## FEATURES & SPECIFICATIONS

### INTENDED USE

The sleek design of the D-Series Size 1 reflects the embedded high performance LED technology. It is ideal for many commercial and municipal applications, such as parking lots, plazas, campuses, and streetscapes.

### CONSTRUCTION

Single-piece die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. Modular design allows for ease of maintenance and future light engine upgrades. The LED drivers are mounted in direct contact with the casting to promote low operating temperature and long life. Housing is completely sealed against moisture and environmental contaminants (IP65). Low EPA (1.01 ft²) for optimized pole wind loading.

### FINISH

Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Available in both textured and non-textured finishes.

### OPTICS

Precision-molded proprietary acrylic lenses are engineered for superior area lighting distribution, uniformity, and pole spacing. Light engines are available in standard 3000 K, 4000 K and 5000 K (70 CRI) or optional 3000 K (70 minimum CRI) or 5000 K (70 CRI) configurations. The D-Series Size 1 has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

### ELECTRICAL

Light engine configurations consist of 30, 40 or 60 high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L99/100,000 hours at

25°C). Class 1 electronic drivers are designed to have a power factor >90%, THD <20%, and an expected life of 100,000 hours with <1% failure rate. Easily serviceable 10kV or 6kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

### INSTALLATION

Included mounting block and integral arm facilitate quick and easy installation. Stainless steel bolts fasten the mounting block securely to poles and walls, enabling the D-Series Size 1 to withstand up to a 3.0 G vibration load rating per ANSI C136.31. The D-Series Size 1 utilizes the AERIS™ series pole drilling pattern (template #8). Optional terminal block, tool-less entry, and NEMA photocontrol receptacle are also available.

### LISTINGS

UL Listed for wet locations. Light engines are IP66 rated; luminaire is IP65 rated. Rated for -40°C minimum ambient. U.S. Patent No. D672,492 S. International patent pending.

DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at [www.designlights.org](http://www.designlights.org) to confirm which versions are qualified.

### WARRANTY

5-year limited warranty. Complete warranty terms located at [www.acuitybrands.com/CustomerResources/Terms\\_and\\_conditions.aspx](http://www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx)

**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.





## FEATURES & SPECIFICATIONS

**INTENDED USE** — Square straight steel pole for up to 39-foot mounting height.

**CONSTRUCTION** — Weldable-grade, hot-rolled, commercial-quality carbon steel tubing with a minimum yield of 55,000 psi (11-gauge), or 50,000 psi (7-gauge). Uniform wall thickness of .1196" or .1793". Shaft is one-piece with a full-length longitudinal high-frequency electric resistance weld. Uniformly square in cross-section with flat sides, small corner radii and excellent torsional qualities. Available shaft widths are 4, 5 and 6 inches.

Anchor base is fabricated from hot-rolled carbon steel plate conforming to ASTM A36, that meets or exceeds a minimum-yield strength of 36,000 psi. Base plate and shaft are circumferentially welded top and bottom. Base cover is finished to match pole.

A handhole having nominal dimensions of 3" x 5" for all shafts. Included is a cover with attachment screws.

Top cap provided with all drill-mount and open top "PT" poles.

Fasteners are high-strength galvanized, zinc-plated or stainless steel.

Finish: Must specify finish.

Grounding: Provision located immediately inside handhole rim. Grounding hardware is not included (provided by others).

Anchor bolts: Top portion of anchor bolt is galvanized per ASTM A-153. Made of steel rod having a minimum yield strength of 55,000 psi.

Note: Specifications subject to change without notice.

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

Catalog Number
Notes
Type



Anchor Base Poles

# SSS

SQUARE STRAIGHT STEEL

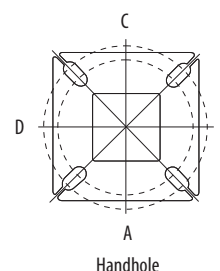
**ORDERING INFORMATION** Lead times will vary depending on options selected. Consult with your sales representative. **Example: SSS 20 5C DM19 DDB**

SSS Series	Nominal fixture mounting height	Nominal shaft base size/wall thickness	Mounting <sup>1</sup>	Options	Finish <sup>10</sup>	
SSS	10 – 39 feet (See back page.)	(See back page.)	<p><b>Tenon mounting</b></p> <p>PT Open top (includes top cap)</p> <p>T20 2-3/8" O.D. (2" NPS)</p> <p>T25 2-7/8" O.D. (2-1/2" NPS)</p> <p>T30 3-1/2" O.D. (3" NPS)</p> <p>T35 4" O.D. (3-1/2" NPS)</p> <p><b>Drill mounting<sup>2</sup></b></p> <p>DM19 1 at 90°</p> <p>DM28 2 at 180°</p> <p>DM28 PL 2 at 180° with one side plugged</p> <p>DM29 2 at 90°</p> <p>DM39 3 at 90°</p> <p>DM49 4 at 90°</p> <p><b>CSX/DSX/AERIS™/OMERO™ Drill mounting<sup>2</sup></b></p> <p>DM19AS 1 at 90°</p> <p>DM28AS 2 at 180°</p> <p>DM29AS 2 at 90°</p> <p>DM39AS 3 at 90°</p> <p>DM49AS 4 at 90°</p>	<p><b>AERIS™ Suspend drill mounting<sup>2,3</sup></b></p> <p>DM19AST_ 1 at 90°</p> <p>DM28AST_ 2 at 180°</p> <p>DM29AST_ 2 at 90°</p> <p>DM39AST_ 3 at 90°</p> <p>DM49AST_ 4 at 90°</p> <p><b>OMERO™ Suspend drill mounting<sup>2,3</sup></b></p> <p>DM19MRT_ 1 at 90°</p> <p>DM28MRT_ 2 at 180°</p> <p>DM29MRT_ 2 at 90°</p> <p>DM39MRT_ 3 at 90°</p> <p>DM49MRT_ 4 at 90°</p>	<p><b>Shipped installed</b></p> <p>L/AB Less anchor bolts</p> <p>VD Vibration damper</p> <p>TP Tamper proof</p> <p>H1-18Sxx Horizontal arm bracket (1 fixture)<sup>4,5</sup></p> <p>FDLxx Festoon outlet less electrical<sup>4</sup></p> <p>CPL12xx 1/2" coupling<sup>4</sup></p> <p>CPL34xx 3/4" coupling<sup>4</sup></p> <p>CPL1xx 1" coupling<sup>4</sup></p> <p>NPL12xx 1/2" threaded nipple<sup>4</sup></p> <p>NPL34xx 3/4" threaded nipple<sup>4</sup></p> <p>NPL1xx 1" threaded nipple<sup>4</sup></p> <p>EHHxx Extra handhole<sup>4,6</sup></p> <p>MAEX Match existing<sup>7</sup></p> <p>USPOM United States point of manufacture<sup>8</sup></p> <p>IC Interior coating<sup>9</sup></p>	<p><b>Standard colors</b></p> <p>DDB Dark bronze</p> <p>DWH White</p> <p>DBL Black</p> <p>DMB Medium bronze</p> <p>DNA Natural aluminum</p> <p><b>Classic colors</b></p> <p>DSS Sandstone</p> <p>DGC Charcoal gray</p> <p>DTG Tennis green</p> <p>DBR Bright red</p> <p>DSB Steel blue</p> <p><b>Architectural colors (powder finish)<sup>10</sup></b></p>

**NOTES:**

- PT open top poles include top cap. When ordering tenon mounting and drill mounting for the same pole, follow this example: DM28/T20. The combination includes a required extra handhole.
- The drilling template to be used for a particular luminaire depends on the luminaire that is used. Refer to the Technical Data Section of the Outdoor Binder for Drilling Templates.
- Insert "1" or "2" to designate fixture size; e.g. DM19AST2.
- Specify location and orientation when ordering option.  
For 1st "x": Specify the height in feet above base of pole.  
Example: 5ft = 5 and 20ft = 20  
For 2nd "x": Specify orientation from handhole (A,B,C,D)  
Refer to the Handhole Orientation diagram above.
- Horizontal arm is 18" x 2-3/8" O.D. tenon standard.
- Combination of tenon-top and drill mount includes extra handhole.
- Must add original order number
- Use when mill certifications are required.
- Provides enhanced corrosion resistance.
- Additional colors available; see [www.lithonia.com/archcolors](http://www.lithonia.com/archcolors) or Architectural Colors brochure (Form No. 794.3). Powder finish standard.

**HANDHOLE ORIENTATION**



**IMPORTANT INSTALLATION NOTES:**

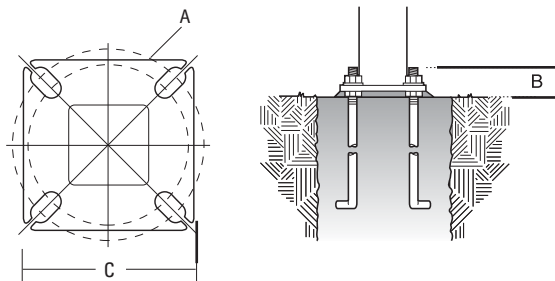
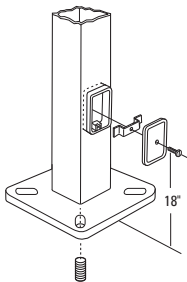
- Do not erect poles without having fixtures installed.
- Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates.
- If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage.
- Lithonia Lighting is not responsible for the foundation design.

# SSS Square Straight Steel Poles

## TECHNICAL INFORMATION

Catalog Number	Nominal mount ht. (ft)	Pole Shaft Size (in x ft)	Wall Thickness (in)	Gauge	EPA (ft <sup>2</sup> ) with 1.3 gust						Bolt Circle (in)	Bolt Size (in x in x in)	Approximate ship (lbs)
					80 mph	Max. weight	90 mph	Max. weight	100 mph	Max. weight			
SSS 10 4C	10	4.0 x 10.0	0.1196	11	30.6	765	23.8	595	18.9	473	8--9	3/4 x 18 x 3	75
SSS 12 4C	12	4.0 x 12.0	0.1196	11	24.4	610	18.8	470	14.8	370	8--9	3/4 x 18 x 3	90
SSS 14 4C	14	4.0 x 14.0	0.1196	11	19.9	498	15.1	378	11.7	293	8--9	3/4 x 18 x 3	100
SSS 16 4C	16	4.0 x 16.0	0.1196	11	15.9	398	11.8	295	8.9	223	8--9	3/4 x 18 x 3	115
SSS 18 4C	18	4.0 x 18.0	0.1196	11	12.6	315	9.2	230	6.7	168	8--9	3/4 x 18 x 3	125
SSS 20 4C	20	4.0 x 20.0	0.1196	11	9.6	240	6.7	167	4.5	150	8--9	3/4 x 18 x 3	140
SSS 20 4G	20	4.0 x 20.0	0.1793	7	14	350	11	275	8	200	8--9	3/4 x 30 x 3	198
SSS 20 5C	20	5.0 x 20.0	0.1196	11	17.7	443	12.7	343	9.4	235	10--12	1 x 36 x 4	185
SSS 20 5G	20	5.0 x 20.0	0.1793	7	28.1	703	21.4	535	16.2	405	10--12	1 x 36 x 4	265
SSS 25 4C	25	4.0 x 25.0	0.1196	11	4.8	150	2.6	100	1	50	8--9	3/4 x 18 x 3	170
SSS 25 4G	25	4.0 x 25.0	0.1793	7	10.8	270	7.7	188	5.4	135	8--9	3/4 x 30 x 3	245
SSS 25 5C	25	5.0 x 25.0	0.1196	11	9.8	245	6.3	157	3.7	150	10--12	1 x 36 x 4	225
SSS 25 5G	25	5.0 x 25.0	0.1793	7	18.5	463	13.3	333	9.5	238	10--12	1 x 36 x 4	360
SSS 30 4G	30	4.0 x 30.0	0.1793	7	6.7	168	4.4	110	2.6	65	8--9	3/4 x 30 x 3	295
SSS 30 5C	30	5.0 x 30.0	0.1196	11	4.7	150	2	50	--	--	10--12	1 x 36 x 4	265
SSS 30 5G	30	5.0 x 30.0	0.1793	7	10.7	267	6.7	167	3.9	100	10--12	1 x 36 x 4	380
SSS 30 6G	30	6.0 x 30.0	0.1793	7	19	475	13.2	330	9	225	11--13	1 x 36 x 4	520
SSS 35 5G	35	5.0 x 35.0	0.1793	7	5.9	150	2.5	100	--	--	10--12	1 x 36 x 4	440
SSS 35 6G	35	6.0 x 35.0	0.1793	7	12.4	310	7.6	190	4.2	105	11--13	1 x 36 x 4	540
SSS 39 6G	39	6.0 x 39.0	0.1793	7	7.2	180	3	75	--	--	11--13	1 x 36 x 4	605

## BASE DETAIL



## POLE DATA

Shaft base size	Bolt circle A	Bolt projection B	Base square C	Template description	Anchor bolt description	Anchor bolt and template number
4"C	8-1/2"	2-3/4"-4"	8"	ABTEMPLATE PJ50004	AB18-0	ABSSS-4C
4"G	8-1/2"	2-3/4"-4"	8"	ABTEMPLATE PJ50004	AB30-0	ABSSS-4G
5"	10"-12"	3-3/8"-4"	11"	ABTEMPLATE PJ50010	AB36-0	ABSSS-5
6"	11"-13"	3-3/8"-4"	12-1/2"	ABTEMPLATE PJ50011	AB36-0	N/A

### IMPORTANT:

• These specifications are intended for general purposes only. Lithonia reserves the right to change material or design, without prior notice, in a continuing effort to upgrade its products.



# D-Series Size 1 LED Area Luminaire

**TYPE: Z4**

Catalog Number

Notes

Type

Hit the Tab key or mouse over the page to see all interactive elements.

d#series



## Specifications

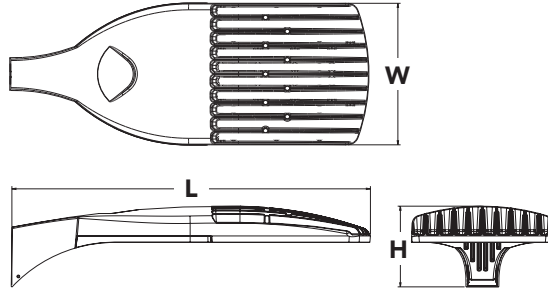
**EPA:** 1.01 ft<sup>2</sup>  
(0.09 m<sup>2</sup>)

**Length:** 33"  
(83.8 cm)

**Width:** 13"  
(33.0 cm)

**Height:** 7-1/2"  
(19.0 cm)

**Weight (max):** 27 lbs  
(12.2 kg)



## Introduction

The modern styling of the D-Series is striking yet unobtrusive - making a bold, progressive statement even as it blends seamlessly with its environment.

The D-Series distills the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire. The outstanding photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. It is ideal for replacing up to 750W metal halide in pedestrian and area lighting applications with typical energy savings of 65% and expected service life of over 100,000 hours.

## Ordering Information

**EXAMPLE: DSX1 LED 60C 1000 40K T3M MVOLT SPA DDBXD**

DSX1LED	Series	LEDs	Drive current	Color temperature	Distribution	Voltage	Mounting
	<b>DSX1 LED</b>	<b>Forward optics</b>	530 530 mA	30K 3000 K	T1S Type I short	MVOLT <sup>5</sup>	<b>Shipped included</b>
		30C 30 LEDs (one engine)	700 700 mA	40K 4000 K	T2S Type II short	120 <sup>5</sup>	<b>SPA</b> Square pole mounting
		40C 40 LEDs (two engines)	1000 1000 mA (1 A) <sup>2</sup>	50K 5000 K	T2M Type II medium	208 <sup>5</sup>	<b>RPA</b> Round pole mounting
		<b>Rotated optics<sup>1</sup></b>		AMBPC Amber phosphor converted <sup>3</sup>	T3S Type III short	240 <sup>5</sup>	<b>WBA</b> Wall bracket
		60C 60 LEDs (two engines)			T3M Type III medium	277 <sup>5</sup>	<b>SPUMBA</b> Square pole universal mounting adaptor <sup>7</sup>
					<b>T4M</b> Type IV medium	347 <sup>6</sup>	<b>RPUMBA</b> Round pole universal mounting adaptor <sup>7</sup>
					TFTM Forward throw medium	<b>480<sup>6</sup></b>	<b>Shipped separately</b>
					T5VS Type V very short		<b>KMA8 DDBXD U</b> Mast arm mounting bracket adaptor (specify finish) <sup>8</sup>

Control options	Other options	Finish (required)
<b>Shipped installed</b>	<b>Shipped installed</b>	<b>DDBXD</b> Dark bronze
PER NEMA twist-lock receptacle only (no controls) <sup>9</sup>	HS House-side shield <sup>19</sup>	<b>DBLXD</b> Black
PER5 Five-wire receptacle only (no controls) <sup>9,10</sup>	WTB Utility terminal block <sup>20</sup>	<b>DNAXD</b> Natural aluminum
PER7 Seven-wire receptacle only (no controls) <sup>9,10</sup>	SF Single fuse (120, 277, 347V) <sup>21</sup>	<b>DWHXD</b> White
DMG 0-10V dimming driver (no controls) <sup>11</sup>	<b>DF</b> Double fuse (208, 240, 480V) <sup>21</sup>	<b>DDBTXD</b> Textured dark bronze
DCR Dimmable and controllable via ROAM <sup>®</sup> (no controls) <sup>12</sup>	L90 Left rotated optics <sup>22</sup>	<b>DBLBXD</b> Textured black
DS Dual switching <sup>13,14</sup>	R90 Right rotated optics <sup>22</sup>	<b>DNATXD</b> Textured natural aluminum
PIR Bi-level, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 5fc <sup>15</sup>	BS Bird spikes	<b>DWHGXD</b> Textured white
<b>PIRH</b> Bi-level, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 5fc <sup>15</sup>		
PIR1FC3V Bi-level, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc <sup>15</sup>		

Accessories	Controls & Shields
Ordered and shipped separately.	DLL127F 1.5 JU Photocell - SSL twist-lock (120-277V) <sup>23</sup>
	DLL347F 1.5 CUL JU Photocell - SSL twist-lock (347V) <sup>23</sup>
	DLL480F 1.5 CUL JU Photocell - SSL twist-lock (480V) <sup>23</sup>
	DSHORT SBK U Shorting cap <sup>23</sup>
	DSX1HS 30C U House-side shield for 30 LED unit <sup>19</sup>
	DSX1HS 40C U House-side shield for 40 LED unit <sup>19</sup>
	DSX1HS 60C U House-side shield for 60 LED unit <sup>19</sup>
	PUMBA DDBXD U* Square and round pole universal mounting bracket (specify finish) <sup>24</sup>
	KMA8 DDBXD U Mast arm mounting bracket adaptor (specify finish) <sup>8</sup>

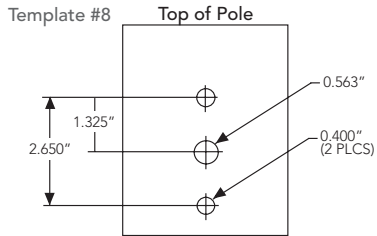
**NOTES**

- Rotated optics available with 60C only.
- Not available AMBPC.
- Only available with 530mA or 700mA.
- Not available with HS.
- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz). Specify 120V, 208V, 240V or 277V options only when ordering with fusing (SF, DF options).
- Not available with single board, 530mA product (30C 530 or 60C 530 DS). Not available with BL30, BL50 or PNMT options.
- Existing drilled pole only. Available as a separate combination accessory; for retrofit use only: PUMBA (finish) U; 1.5 G vibration load rating per ANCI C136.31.
- Must order fixture with SPA option. Must be ordered as a separate accessory; see Accessories information. For use with 2-3/8" mast arm (not included).
- Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Not available with DS option.
- If ROAM<sup>®</sup> node required, it must be ordered and shipped as a separate line item from Acuity Brands Controls. Not available with DCR. Node with integral dimming.
- DMG option for 347V or 480V requires 1000mA.
- Specifies a ROAM<sup>®</sup> enabled luminaire with 0-10V dimming capability; PER option required. Additional hardware and services required for ROAM<sup>®</sup> deployment; must be purchased separately. Call 1-800-442-6745 or email: sales@roamservices.net. N/A with PIR options, DS, PER5, BL30, BL50 or PNMT options. Node without integral dimming.

- Requires 40C or 60C. Provides 50/50 luminaire operation via two independent drivers on two separate circuits. N/A with PER, DCR, WTB, PIR or PIRH.
- Requires an additional switched circuit.
- PIR and PIR1FC3V specify the SensorSwitch SBGR-10-ODP control; PIRH and PIRH1FC3V specify the SensorSwitch SBGR-6-ODP control; see Outdoor Control Technical Guide for details. Dimming driver standard. Not available with PER5 or PER7. Ambient sensor disabled when ordered with DCR. Separate on/off required.
- Dimming driver standard. MVOLT only. Not available with 347V, 480V, DCR, DS, PER5, PER7 or PNMT options. Not available with PIR1FC3V or PIRH1FC3V.
- Dimming driver standard. MVOLT only. Not available with 347V, 480V, DCR, DS, PER5, PER7, BL30 or BL50. Not available with PIR1FC3V or PIRH1FC3V. Separate on/off required.
- Dimming driver standard. Not available with PER5, PER7, DMG, DCR, DS, BL30, BL50 or PNMT, PIR, PIRH, PIR1FC3V or PIRH1FC3V.
- Not available with BLC, LCCO and RCCO distribution. Also available as a separate accessory; see Accessories information.
- WTB not available with DS.
- Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
- Available with 60 LEDs (60C option) only.
- Requires luminaire to be specified with PER option. Ordered and shipped as a separate line item from Acuity Brands Controls.
- For retrofit use only.



## Drilling



DSX1 shares a unique drilling pattern with the AERIS™ family. Specify this drilling pattern when specifying poles, per the table below.

<b>DM19AS</b>	Single unit	<b>DM29AS</b>	2 at 90°**
<b>DM28AS</b>	2 at 180°	<b>DM39AS</b>	3 at 90°**
<b>DM49AS</b>	4 at 90°**	<b>DM32AS</b>	3 at 120°**

**Example:** SSA 20 4C DM19AS DDBXD

Visit Lithonia Lighting's **POLES CENTRAL** to see our wide selection of poles, accessories and educational tools.

\*Round pole top must be 3.25" O.D. minimum.

\*\*Far round pole mounting (RPA) only.

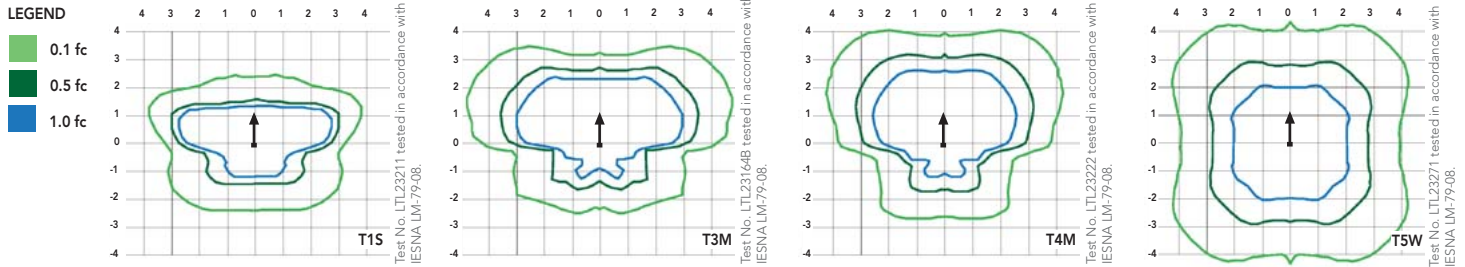
## Tenon Mounting Slipfitter\*\*

Tenon O.D.	Single Unit	2 at 180°	2 at 90°	3 at 120°	3 at 90°	4 at 90°
2-3/8"	AST20-190	AST20-280	AST20-290	AST20-320	AST20-390	AST20-490
2-7/8"	AST25-190	AST25-280	AST25-290	AST25-320	AST25-390	AST25-490
4"	AST35-190	AST35-280	AST35-290	AST35-320	AST35-390	AST35-490

## Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's [D-Series Area Size 1 homepage](#).

Isofootcandle plots for the DSX1 LED 60C 1000 40K. Distances are in units of mounting height (20').



## Performance Data

### Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient		Lumen Multiplier
0°C	32°F	1.02
10°C	50°F	1.01
20°C	68°F	1.00
<b>25°C</b>	<b>77°F</b>	<b>1.00</b>
30°C	86°F	1.00
40°C	104°F	0.99

### Electrical Load

Number of LEDs	Drive Current (mA)	System Watts	Current (A)					
			120	208	240	277	347	480
30	530	52	0.52	0.30	0.26	0.23	--	--
	700	68	0.68	0.39	0.34	0.30	0.24	0.17
	1000	105	1.03	0.59	0.51	0.45	0.36	0.26
40	530	68	0.67	0.39	0.34	0.29	0.23	0.17
	700	89	0.89	0.51	0.44	0.38	0.31	0.22
	1000	138	1.35	0.78	0.67	0.58	0.47	0.34
60	530	99	0.97	0.56	0.48	0.42	0.34	0.24
	700	131	1.29	0.74	0.65	0.56	0.45	0.32
	1000	209	1.98	1.14	0.99	0.86	0.69	0.50

### Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a 25°C ambient, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	DSX1 LED 60C 1000			
	1.0	0.98	0.96	0.91
	DSX1 LED 60C 700			
	1.0	0.99	0.99	0.99

# Performance Data

## Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Forward Optics																							
LEDs	Drive Current (mA)	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)					AMBPC (Amber Phosphor Converted)				
				Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
30C (30 LEDs)	530 mA	52 W	T1S	5,948	1	0	1	114	6,387	1	0	1	123	6,427	1	0	1	124	3,640	1	0	1	70
			T2S	6,132	1	0	1	118	6,585	2	0	2	127	6,626	2	0	2	127	3,813	1	0	1	73
			T2M	5,992	1	0	2	115	6,434	1	0	2	124	6,475	1	0	2	125	3,689	1	0	1	71
			T3S	5,985	1	0	1	115	6,427	1	0	2	124	6,467	1	0	2	124	3,770	1	0	1	73
			T3M	6,039	1	0	2	116	6,485	1	0	2	125	6,525	1	0	2	125	3,752	1	0	1	72
			T4M	6,121	1	0	2	118	6,573	1	0	2	126	6,614	1	0	2	127	3,758	1	0	1	72
			TFTM	6,030	1	0	2	116	6,475	1	0	2	125	6,515	1	0	2	125	3,701	1	0	1	71
			TSVS	6,370	2	0	0	123	6,840	2	0	0	132	6,883	2	0	0	132	3,928	2	0	0	76
			T5S	6,417	2	0	0	123	6,890	2	0	0	133	6,933	2	0	0	133	3,881	2	0	0	75
			T5M	6,428	3	0	1	124	6,902	3	0	1	133	6,945	3	0	1	134	3,930	2	0	1	76
			T5W	6,334	3	0	1	122	6,801	3	0	1	131	6,844	3	0	1	132	3,820	3	0	1	73
			BLC	4,735	1	0	1	91	5,085	1	0	2	98	5,116	1	0	1	98					
			LCCO	4,600	1	0	2	88	4,940	1	0	2	95	4,971	1	0	2	96					
			RCCO	4,600	1	0	2	88	4,940	1	0	2	95	4,971	1	0	2	96					
			T1S	7,554	1	0	1	111	8,112	2	0	2	119	8,163	2	0	2	120	4,561	1	0	1	67
			T2S	7,789	2	0	2	115	8,364	2	0	2	123	8,416	2	0	2	124	4,777	1	0	1	70
			T2M	7,610	1	0	2	112	8,172	2	0	2	120	8,223	2	0	2	121	4,622	1	0	2	68
			T3S	7,601	1	0	2	112	8,162	2	0	2	120	8,213	2	0	2	121	4,724	1	0	1	69
	T3M	7,670	1	0	2	113	8,236	2	0	2	121	8,288	2	0	2	122	4,701	1	0	2	69		
	T4M	7,774	1	0	2	114	8,348	2	0	2	123	8,400	2	0	2	124	4,709	1	0	2	69		
	TFTM	7,658	1	0	2	113	8,223	1	0	2	121	8,275	1	0	2	122	4,638	1	0	2	68		
	TSVS	8,090	2	0	0	119	8,687	3	0	1	128	8,742	3	0	1	129	4,922	2	0	0	72		
	T5S	8,150	2	0	0	120	8,751	3	0	0	129	8,806	3	0	0	130	4,863	2	0	0	72		
	T5M	8,164	3	0	1	120	8,767	3	0	2	129	8,821	3	0	2	130	4,924	3	0	1	72		
	T5W	8,044	3	0	1	118	8,638	3	0	2	127	8,692	3	0	2	128	4,787	3	0	1	70		
	BLC	6,028	1	0	2	89	6,473	1	0	2	95	6,514	1	0	2	96							
	LCCO	5,856	1	0	2	86	6,289	1	0	2	92	6,328	1	0	2	93							
	RCCO	5,856	1	0	2	86	6,289	1	0	2	92	6,328	1	0	2	93							
	T1S	10,331	2	0	2	98	11,094	2	0	2	106	11,163	2	0	2	106							
	T2S	10,652	2	0	2	101	11,438	2	0	2	109	11,510	2	0	2	110							
	T2M	10,408	2	0	2	99	11,176	2	0	3	106	11,246	2	0	3	107							
	T3S	10,395	2	0	2	99	11,163	2	0	2	106	11,233	2	0	2	107							
	T3M	10,490	2	0	2	100	11,264	2	0	2	107	11,335	2	0	2	108							
	T4M	10,632	2	0	2	101	11,417	2	0	2	109	11,488	2	0	2	109							
	TFTM	10,473	2	0	2	100	11,247	2	0	3	107	11,317	2	0	3	108							
	TSVS	11,064	3	0	1	105	11,881	3	0	1	113	11,955	3	0	1	114							
T5S	11,145	3	0	1	106	11,968	3	0	1	114	12,043	3	0	1	115								
T5M	11,165	3	0	2	106	11,989	4	0	2	114	12,064	4	0	2	115								
T5W	11,001	3	0	2	105	11,813	4	0	2	113	11,887	4	0	2	113								
BLC	7,960	1	0	2	76	8,548	1	0	2	81	8,601	1	0	2	82								
LCCO	7,734	1	0	2	74	8,305	1	0	2	79	8,357	1	0	2	80								
RCCO	7,734	1	0	2	74	8,305	1	0	2	79	8,357	1	0	2	80								

# Performance Data

## Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Forward Optics																										
LEDs	Drive Current (mA)	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)					AMBPC (Amber Phosphor Converted)							
				Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW			
40C (40 LEDs)	530 mA	68 W	T1S	7,861	1	0	1	116	8,441	2	0	2	124	8,494	2	0	2	125	4,794	1	0	1	71			
			T2S	8,105	2	0	2	119	8,704	2	0	2	128	8,758	2	0	2	129	5,021	1	0	1	74			
			T2M	7,920	2	0	2	116	8,504	2	0	2	125	8,557	2	0	2	126	4,858	1	0	2	71			
			T3S	7,910	1	0	2	116	8,494	2	0	2	125	8,547	2	0	2	126	4,966	1	0	1	73			
			T3M	7,982	2	0	2	117	8,571	2	0	2	126	8,625	2	0	2	127	4,941	1	0	2	73			
			T4M	8,090	1	0	2	119	8,687	2	0	2	128	8,741	2	0	2	129	4,950	1	0	2	73			
			TFTM	7,969	1	0	2	117	8,558	2	0	2	126	8,611	2	0	2	127	4,875	1	0	2	72			
			TSVS	8,419	2	0	0	124	9,040	3	0	1	133	9,097	3	0	1	134	5,174	2	0	0	76			
			T5S	8,481	2	0	0	125	9,107	3	0	1	134	9,164	3	0	1	135	5,111	2	0	0	75			
			T5M	8,496	3	0	1	125	9,123	3	0	2	134	9,180	3	0	2	135	5,175	3	0	1	76			
			TSW	8,371	3	0	2	123	8,989	3	0	2	132	9,045	3	0	2	133	5,031	3	0	1	74			
			BLC	6,255	1	0	2	92	6,717	1	0	2	99	6,759	1	0	2	99								
			LCCO	6,077	1	0	2	89	6,526	1	0	2	96	6,566	1	0	2	97								
			RCCO	6,077	1	0	2	89	6,526	1	0	2	96	6,566	1	0	2	97								
						T1S	9,984	2	0	2	112	10,721	2	0	2	120	10,788	2	0	2	121	6,014	1	0	1	68
						T2S	10,294	2	0	2	116	11,054	2	0	2	124	11,123	2	0	2	125	6,299	2	0	2	71
						T2M	10,059	2	0	2	113	10,801	2	0	3	121	10,869	2	0	3	122	6,094	2	0	2	68
						T3S	10,046	2	0	2	113	10,788	2	0	2	121	10,855	2	0	2	122	6,229	1	0	2	70
				T3M	10,137	2	0	2	114	10,886	2	0	2	122	10,954	2	0	2	123	6,198	2	0	2	70		
				T4M	10,275	2	0	2	115	11,033	2	0	2	124	11,102	2	0	2	125	6,209	1	0	2	70		
				TFTM	10,122	2	0	2	114	10,869	2	0	2	122	10,937	2	0	2	123	6,115	1	0	2	69		
				TSVS	10,693	3	0	1	120	11,482	3	0	1	129	11,554	3	0	1	130	6,490	2	0	0	73		
				T5S	10,771	3	0	1	121	11,566	3	0	1	130	11,639	3	0	1	131	6,411	2	0	0	72		
				T5M	10,790	3	0	2	121	11,587	4	0	2	130	11,659	4	0	2	131	6,492	3	0	1	73		
				TSW	10,632	3	0	2	119	11,417	4	0	2	128	11,488	4	0	2	129	6,311	3	0	2	71		
				BLC	7,963	1	0	2	89	8,551	1	0	2	96	8,605	1	0	2	97							
				LCCO	7,736	1	0	2	87	8,308	1	0	2	93	8,359	1	0	2	94							
				RCCO	7,736	1	0	2	87	8,308	1	0	2	93	8,359	1	0	2	94							
		700 mA	91 W	T1S	13,655	2	0	2	99	14,663	3	0	3	106	14,754	3	0	3	107							
	T2S			14,079	2	0	2	102	15,118	3	0	3	110	15,212	3	0	3	110								
	T2M			13,756	2	0	3	100	14,772	3	0	3	107	14,864	3	0	3	108								
	T3S			13,739	2	0	2	100	14,754	2	0	2	107	14,846	3	0	3	108								
	T3M			13,864	2	0	2	100	14,888	3	0	3	108	14,981	3	0	3	109								
	T4M			14,052	2	0	2	102	15,090	3	0	3	109	15,184	3	0	3	110								
	TFTM			13,842	2	0	3	100	14,864	2	0	3	108	14,957	2	0	3	108								
	TSVS			14,623	3	0	1	106	15,703	4	0	1	114	15,801	4	0	1	115								
	T5S			14,731	3	0	1	107	15,818	3	0	1	115	15,917	3	0	1	115								
	T5M			14,757	4	0	2	107	15,846	4	0	2	115	15,945	4	0	2	116								
	TSW			14,540	4	0	2	105	15,614	4	0	2	113	15,711	4	0	2	114								
	BLC			10,516	1	0	2	76	11,292	1	0	2	82	11,363	1	0	2	82								
	LCCO			10,216	2	0	3	74	10,971	2	0	3	80	11,039	2	0	3	80								
	RCCO			10,216	2	0	3	74	10,971	2	0	3	80	11,039	2	0	3	80								
				1000 mA	138 W	T1S	13,655	2	0	2	99	14,663	3	0	3	106	14,754	3	0	3	107					
	T2S					14,079	2	0	2	102	15,118	3	0	3	110	15,212	3	0	3	110						
	T2M					13,756	2	0	3	100	14,772	3	0	3	107	14,864	3	0	3	108						
	T3S					13,739	2	0	2	100	14,754	2	0	2	107	14,846	3	0	3	108						
	T3M	13,864	2			0	2	100	14,888	3	0	3	108	14,981	3	0	3	109								
	T4M	14,052	2			0	2	102	15,090	3	0	3	109	15,184	3	0	3	110								
TFTM	13,842	2	0			3	100	14,864	2	0	3	108	14,957	2	0	3	108									
TSVS	14,623	3	0			1	106	15,703	4	0	1	114	15,801	4	0	1	115									
T5S	14,731	3	0			1	107	15,818	3	0	1	115	15,917	3	0	1	115									
T5M	14,757	4	0			2	107	15,846	4	0	2	115	15,945	4	0	2	116									
TSW	14,540	4	0			2	105	15,614	4	0	2	113	15,711	4	0	2	114									
BLC	10,516	1	0			2	76	11,292	1	0	2	82	11,363	1	0	2	82									
LCCO	10,216	2	0			3	74	10,971	2	0	3	80	11,039	2	0	3	80									
RCCO	10,216	2	0			3	74	10,971	2	0	3	80	11,039	2	0	3	80									

# Performance Data

## Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

### Forward Optics

LEDs	Drive Current (mA)	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)					AMBPC (Amber Phosphor Converted)																				
				Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW																
																								Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens
60C (60 LEDs)	530 mA	99 W	T1S	11,569	2	0	2	117	12,423	2	0	2	125	12,501	2	0	2	126	7,167	2	0	2	72																
			T2S	11,928	2	0	2	120	12,809	3	0	3	129	12,889	3	0	3	130	7,507	2	0	2	76																
			T2M	11,655	2	0	2	118	12,516	2	0	3	126	12,594	2	0	3	127	7,263	2	0	2	73																
			T3S	11,641	2	0	2	118	12,500	2	0	2	126	12,579	2	0	2	127	7,424	2	0	2	75																
			T3M	11,747	2	0	2	119	12,614	2	0	2	127	12,693	2	0	2	128	7,387	2	0	2	75																
			T4M	11,906	2	0	2	120	12,785	2	0	2	129	12,865	2	0	2	130	7,400	2	0	2	75																
			TFTM	11,728	2	0	2	118	12,594	2	0	3	127	12,673	2	0	3	128	7,288	1	0	2	74																
			TSVS	12,390	3	0	1	125	13,305	3	0	1	134	13,388	3	0	1	135	7,734	3	0	1	78																
			T5S	12,481	3	0	1	126	13,402	3	0	1	135	13,486	3	0	1	136	7,641	3	0	0	77																
			T5M	12,503	3	0	2	126	13,426	4	0	2	136	13,510	4	0	2	136	7,737	3	0	2	78																
			TSW	12,320	4	0	2	124	13,229	4	0	2	134	13,312	4	0	2	134	7,522	3	0	2	76																
			BLC	9,212	1	0	2	93	9,892	1	0	2	100	9,954	1	0	2	101																					
			LCCO	8,950	1	0	2	90	9,611	2	0	2	97	9,671	2	0	2	98																					
			RCCO	8,950	1	0	2	90	9,611	2	0	2	97	9,671	2	0	2	98																					
			700 mA	131 W	T1S	14,694	2	0	2	112	15,779	3	0	3	120	15,877	3	0	3	121	8,952	2	0	2	68														
	T2S	15,150			3	0	3	116	16,269	3	0	3	124	16,370	3	0	3	125	9,377	2	0	2	72																
	T2M	14,803			2	0	3	113	15,896	3	0	3	121	15,995	3	0	3	122	9,072	2	0	2	69																
	T3S	14,785			2	0	2	113	15,877	3	0	3	121	15,976	3	0	3	122	9,273	2	0	2	71																
	T3M	14,919			2	0	2	114	16,021	3	0	3	122	16,121	3	0	3	123	9,227	2	0	2	70																
	T4M	15,122			2	0	2	115	16,238	3	0	3	124	16,340	3	0	3	125	9,243	2	0	2	71																
	TFTM	14,896			2	0	3	114	15,996	2	0	3	122	16,096	2	0	3	123	9,103	2	0	2	69																
	TSVS	15,736			3	0	1	120	16,898	4	0	1	129	17,004	4	0	1	130	9,661	3	0	1	74																
	T5S	15,852			3	0	1	121	17,022	4	0	1	130	17,129	4	0	1	131	9,544	3	0	1	73																
	T5M	15,880			4	0	2	121	17,052	4	0	2	130	17,159	4	0	2	131	9,665	3	0	2	74																
	TSW	15,647			4	0	2	119	16,802	4	0	2	128	16,907	4	0	2	129	9,395	4	0	2	72																
	BLC	11,728			1	0	2	90	12,594	1	0	2	96	12,672	3	0	3	97																					
	LCCO	11,394			2	0	3	87	12,235	2	0	3	93	12,311	2	0	3	94																					
	RCCO	11,394			2	0	3	87	12,235	2	0	3	93	12,311	2	0	3	94																					
	1000 mA	209 W			T1S	20,095	3	0	3	96	21,579	3	0	3	103	21,714	3	0	3	104																			
			T2S	20,720	3	0	3	99	22,249	3	0	3	106	22,388	3	0	3	107																					
			T2M	20,245	3	0	3	97	21,740	3	0	3	104	21,876	3	0	3	105																					
			T3S	20,220	3	0	3	97	21,713	3	0	3	104	21,849	3	0	3	105																					
			T3M	20,404	3	0	3	98	21,910	3	0	4	105	22,047	3	0	4	105																					
			T4M	20,681	3	0	3	99	22,207	3	0	4	106	22,346	3	0	4	107																					
			TFTM	20,372	3	0	3	97	21,876	3	0	4	105	22,013	3	0	4	105																					
			TSVS	21,521	4	0	1	103	23,110	4	0	1	111	23,254	4	0	1	111																					
			T5S	21,679	4	0	1	104	23,280	4	0	1	111	23,425	4	0	1	112																					
			T5M	21,717	4	0	2	104	23,321	5	0	3	112	23,466	5	0	3	112																					
			TSW	21,399	4	0	3	102	22,979	5	0	3	110	23,122	5	0	3	111																					
			BLC	15,487	2	0	2	74	16,630	2	0	2	80	16,734	2	0	3	80																					
			LCCO	15,046	2	0	3	72	16,157	2	0	3	77	16,258	2	0	3	78																					
			RCCO	15,046	2	0	3	72	16,157	2	0	3	77	16,258	2	0	3	78																					

# Performance Data

## Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

L90 and R90 Rotated Optics																							
LEDs	Drive Current (mA)	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)					AMBPC (Amber Phosphor Converted)				
				Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
60C (60 LEDs)	530 mA	99 W	T1S	11,569	2	0	2	117	12,423	2	0	2	125	12,501	2	0	2	126	7,167	2	0	2	72
			T2S	11,928	2	0	2	120	12,809	3	0	3	129	12,889	3	0	3	130	7,507	2	0	2	76
			T2M	11,655	2	0	2	118	12,516	2	0	3	126	12,594	2	0	3	127	7,263	2	0	2	73
			T3S	11,641	2	0	2	118	12,500	2	0	2	126	12,579	2	0	2	127	7,424	2	0	2	75
			T3M	11,747	2	0	2	119	12,614	2	0	2	127	12,693	2	0	2	128	7,387	2	0	2	75
			T4M	11,906	2	0	2	120	12,785	2	0	2	129	12,865	2	0	2	130	7,400	2	0	2	75
			TFTM	11,728	2	0	2	118	12,594	2	0	3	127	12,673	2	0	3	128	7,288	1	0	2	74
			TSVS	12,390	3	0	1	125	13,305	3	0	1	134	13,388	3	0	1	135	7,734	3	0	1	78
			T5S	12,481	3	0	1	126	13,402	3	0	1	135	13,486	3	0	1	136	7,641	3	0	0	77
			T5M	12,503	3	0	2	126	13,426	4	0	2	136	13,510	4	0	2	136	7,737	3	0	2	78
			TSW	12,320	4	0	2	124	13,229	4	0	2	134	13,312	4	0	2	134	7,522	3	0	2	76
			BLC	9,212	1	0	2	93	9,892	1	0	2	100	9,954	1	0	2	101					
			LCCO	8,950	1	0	2	90	9,611	2	0	2	97	9,671	2	0	2	98					
			RCCO	8,950	1	0	2	90	9,611	2	0	2	97	9,671	2	0	2	98					
			T1S	14,694	2	0	2	112	15,779	3	0	3	120	15,877	3	0	3	121	8,952	2	0	2	68
			T2S	15,150	3	0	3	116	16,269	3	0	3	124	16,370	3	0	3	125	9,377	2	0	2	72
			T2M	14,803	2	0	3	113	15,896	3	0	3	121	15,995	3	0	3	122	9,072	2	0	2	69
			T3S	14,785	2	0	2	113	15,877	3	0	3	121	15,976	3	0	3	122	9,273	2	0	2	71
	T3M	14,919	2	0	2	114	16,021	3	0	3	122	16,121	3	0	3	123	9,227	2	0	2	70		
	T4M	15,122	2	0	2	115	16,238	3	0	3	124	16,340	3	0	3	125	9,243	2	0	2	71		
	TFTM	14,896	2	0	3	114	15,996	2	0	3	122	16,096	2	0	3	123	9,103	2	0	2	69		
	TSVS	15,736	3	0	1	120	16,898	4	0	1	129	17,004	4	0	1	130	9,661	3	0	1	74		
	T5S	15,852	3	0	1	121	17,022	4	0	1	130	17,129	4	0	1	131	9,544	3	0	1	73		
	T5M	15,880	4	0	2	121	17,052	4	0	2	130	17,159	4	0	2	131	9,665	3	0	2	74		
	TSW	15,647	4	0	2	119	16,802	4	0	2	128	16,907	4	0	2	129	9,395	4	0	2	72		
	BLC	11,728	1	0	2	90	12,594	1	0	2	96	12,672	3	0	3	97							
	LCCO	11,394	2	0	3	87	12,235	2	0	3	93	12,311	2	0	3	94							
	RCCO	11,394	2	0	3	87	12,235	2	0	3	93	12,311	2	0	3	94							
	T1S	20,095	3	0	3	96	21,579	3	0	3	103	21,714	3	0	3	104							
	T2S	20,720	3	0	3	99	22,249	3	0	3	106	22,388	3	0	3	107							
	T2M	20,245	3	0	3	97	21,740	3	0	3	104	21,876	3	0	3	105							
	T3S	20,220	3	0	3	97	21,713	3	0	3	104	21,849	3	0	3	105							
	T3M	20,404	3	0	3	98	21,910	3	0	4	105	22,047	3	0	4	105							
	T4M	20,681	3	0	3	99	22,207	3	0	4	106	22,346	3	0	4	107							
	TFTM	20,372	3	0	3	97	21,876	3	0	4	105	22,013	3	0	4	105							
	TSVS	21,521	4	0	1	103	23,110	4	0	1	111	23,254	4	0	1	111							
T5S	21,679	4	0	1	104	23,280	4	0	1	111	23,425	4	0	1	112								
T5M	21,717	4	0	2	104	23,321	5	0	3	112	23,466	5	0	3	112								
TSW	21,399	4	0	3	102	22,979	5	0	3	110	23,122	5	0	3	111								
BLC	15,487	2	0	2	74	16,630	2	0	2	80	16,734	2	0	3	80								
LCCO	15,046	2	0	3	72	16,157	2	0	3	77	16,258	2	0	3	78								
RCCO	15,046	2	0	3	72	16,157	2	0	3	77	16,258	2	0	3	78								

## FEATURES & SPECIFICATIONS

### INTENDED USE

The sleek design of the D-Series Size 1 reflects the embedded high performance LED technology. It is ideal for many commercial and municipal applications, such as parking lots, plazas, campuses, and streetscapes.

### CONSTRUCTION

Single-piece die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. Modular design allows for ease of maintenance and future light engine upgrades. The LED drivers are mounted in direct contact with the casting to promote low operating temperature and long life. Housing is completely sealed against moisture and environmental contaminants (IP65). Low EPA (1.01 ft²) for optimized pole wind loading.

### FINISH

Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Available in both textured and non-textured finishes.

### OPTICS

Precision-molded proprietary acrylic lenses are engineered for superior area lighting distribution, uniformity, and pole spacing. Light engines are available in standard 3000 K, 4000 K and 5000 K (70 CRI) or optional 3000 K (70 minimum CRI) or 5000 K (70 CRI) configurations. The D-Series Size 1 has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

### ELECTRICAL

Light engine configurations consist of 30, 40 or 60 high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L99/100,000 hours at

25°C). Class 1 electronic drivers are designed to have a power factor >90%, THD <20%, and an expected life of 100,000 hours with <1% failure rate. Easily serviceable 10kV or 6kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

### INSTALLATION

Included mounting block and integral arm facilitate quick and easy installation. Stainless steel bolts fasten the mounting block securely to poles and walls, enabling the D-Series Size 1 to withstand up to a 3.0 G vibration load rating per ANSI C136.31. The D-Series Size 1 utilizes the AERIS™ series pole drilling pattern (template #8). Optional terminal block, tool-less entry, and NEMA photocontrol receptacle are also available.

### LISTINGS

UL Listed for wet locations. Light engines are IP66 rated; luminaire is IP65 rated. Rated for -40°C minimum ambient. U.S. Patent No. D672,492 S. International patent pending.

DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at [www.designlights.org](http://www.designlights.org) to confirm which versions are qualified.

### WARRANTY

5-year limited warranty. Complete warranty terms located at [www.acuitybrands.com/CustomerResources/Terms\\_and\\_conditions.aspx](http://www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx)

**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.





## FEATURES & SPECIFICATIONS

**INTENDED USE** — Square straight steel pole for up to 39-foot mounting height.

**CONSTRUCTION** — Weldable-grade, hot-rolled, commercial-quality carbon steel tubing with a minimum yield of 55,000 psi (11-gauge), or 50,000 psi (7-gauge). Uniform wall thickness of .1196" or .1793". Shaft is one-piece with a full-length longitudinal high-frequency electric resistance weld. Uniformly square in cross-section with flat sides, small corner radii and excellent torsional qualities. Available shaft widths are 4, 5 and 6 inches.

Anchor base is fabricated from hot-rolled carbon steel plate conforming to ASTM A36, that meets or exceeds a minimum-yield strength of 36,000 psi. Base plate and shaft are circumferentially welded top and bottom. Base cover is finished to match pole.

A handhole having nominal dimensions of 3" x 5" for all shafts. Included is a cover with attachment screws.

Top cap provided with all drill-mount and open top "PT" poles.

Fasteners are high-strength galvanized, zinc-plated or stainless steel.

Finish: Must specify finish.

Grounding: Provision located immediately inside handhole rim. Grounding hardware is not included (provided by others).

Anchor bolts: Top portion of anchor bolt is galvanized per ASTM A-153. Made of steel rod having a minimum yield strength of 55,000 psi.

Note: Specifications subject to change without notice.

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

Catalog Number
Notes
Type



Anchor Base Poles

# SSS

SQUARE STRAIGHT STEEL

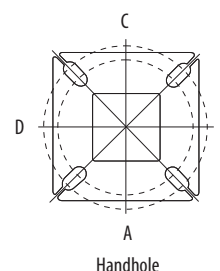
**ORDERING INFORMATION** Lead times will vary depending on options selected. Consult with your sales representative. **Example: SSS 20 5C DM19 DDB**

SSS Series	Nominal fixture mounting height	Nominal shaft base size/wall thickness	Mounting <sup>1</sup>	Options	Finish <sup>10</sup>	
SSS	10 – 39 feet (See back page.)	(See back page.)	<p><b>Tenon mounting</b></p> <p>PT Open top (includes top cap)</p> <p>T20 2-3/8" O.D. (2" NPS)</p> <p>T25 2-7/8" O.D. (2-1/2" NPS)</p> <p>T30 3-1/2" O.D. (3" NPS)</p> <p>T35 4" O.D. (3-1/2" NPS)</p> <p><b>Drill mounting<sup>2</sup></b></p> <p>DM19 1 at 90°</p> <p>DM28 2 at 180°</p> <p>DM28 PL 2 at 180° with one side plugged</p> <p>DM29 2 at 90°</p> <p>DM39 3 at 90°</p> <p>DM49 4 at 90°</p> <p><b>CSX/DSX/AERIS™/OMERO™ Drill mounting<sup>2</sup></b></p> <p>DM19AS 1 at 90°</p> <p>DM28AS 2 at 180°</p> <p>DM29AS 2 at 90°</p> <p>DM39AS 3 at 90°</p> <p>DM49AS 4 at 90°</p>	<p><b>AERIS™ Suspend drill mounting<sup>2,3</sup></b></p> <p>DM19AST_ 1 at 90°</p> <p>DM28AST_ 2 at 180°</p> <p>DM29AST_ 2 at 90°</p> <p>DM39AST_ 3 at 90°</p> <p>DM49AST_ 4 at 90°</p> <p><b>OMERO™ Suspend drill mounting<sup>2,3</sup></b></p> <p>DM19MRT_ 1 at 90°</p> <p>DM28MRT_ 2 at 180°</p> <p>DM29MRT_ 2 at 90°</p> <p>DM39MRT_ 3 at 90°</p> <p>DM49MRT_ 4 at 90°</p>	<p><b>Shipped installed</b></p> <p>L/AB Less anchor bolts</p> <p>VD Vibration damper</p> <p>TP Tamper proof</p> <p>H1-18Sxx Horizontal arm bracket (1 fixture)<sup>4,5</sup></p> <p>FDLxx Festoon outlet less electrical<sup>4</sup></p> <p>CPL12xx 1/2" coupling<sup>4</sup></p> <p>CPL34xx 3/4" coupling<sup>4</sup></p> <p>CPL1xx 1" coupling<sup>4</sup></p> <p>NPL12xx 1/2" threaded nipple<sup>4</sup></p> <p>NPL34xx 3/4" threaded nipple<sup>4</sup></p> <p>NPL1xx 1" threaded nipple<sup>4</sup></p> <p>EHHxx Extra handhole<sup>4,6</sup></p> <p>MAEX Match existing<sup>7</sup></p> <p>USPOM United States point of manufacture<sup>8</sup></p> <p>IC Interior coating<sup>9</sup></p>	<p><b>Standard colors</b></p> <p>DDB Dark bronze</p> <p>DWH White</p> <p>DBL Black</p> <p>DMB Medium bronze</p> <p>DNA Natural aluminum</p> <p><b>Classic colors</b></p> <p>DSS Sandstone</p> <p>DGC Charcoal gray</p> <p>DTG Tennis green</p> <p>DBR Bright red</p> <p>DSB Steel blue</p> <p><b>Architectural colors (powder finish)<sup>10</sup></b></p>

**NOTES:**

- PT open top poles include top cap. When ordering tenon mounting and drill mounting for the same pole, follow this example: DM28/T20. The combination includes a required extra handhole.
- The drilling template to be used for a particular luminaire depends on the luminaire that is used. Refer to the Technical Data Section of the Outdoor Binder for Drilling Templates.
- Insert "1" or "2" to designate fixture size; e.g. DM19AST2.
- Specify location and orientation when ordering option.  
For 1st "x": Specify the height in feet above base of pole.  
Example: 5ft = 5 and 20ft = 20  
For 2nd "x": Specify orientation from handhole (A,B,C,D)  
Refer to the Handhole Orientation diagram above.
- Horizontal arm is 18" x 2-3/8" O.D. tenon standard.
- Combination of tenon-top and drill mount includes extra handhole.
- Must add original order number
- Use when mill certifications are required.
- Provides enhanced corrosion resistance.
- Additional colors available; see [www.lithonia.com/archcolors](http://www.lithonia.com/archcolors) or Architectural Colors brochure (Form No. 794.3). Powder finish standard.

**HANDHOLE ORIENTATION**



**IMPORTANT INSTALLATION NOTES:**

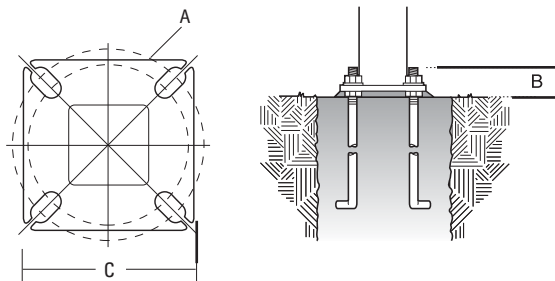
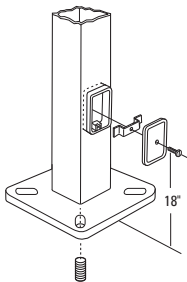
- Do not erect poles without having fixtures installed.
- Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates.
- If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage.
- Lithonia Lighting is not responsible for the foundation design.

# SSS Square Straight Steel Poles

## TECHNICAL INFORMATION

Catalog Number	Nominal mount ht. (ft)	Pole Shaft Size (in x ft)	Wall Thickness (in)	Gauge	EPA (ft <sup>2</sup> ) with 1.3 gust						Bolt Circle (in)	Bolt Size (in x in x in)	Approximate ship (lbs)
					80 mph	Max. weight	90 mph	Max. weight	100 mph	Max. weight			
SSS 10 4C	10	4.0 x 10.0	0.1196	11	30.6	765	23.8	595	18.9	473	8--9	3/4 x 18 x 3	75
SSS 12 4C	12	4.0 x 12.0	0.1196	11	24.4	610	18.8	470	14.8	370	8--9	3/4 x 18 x 3	90
SSS 14 4C	14	4.0 x 14.0	0.1196	11	19.9	498	15.1	378	11.7	293	8--9	3/4 x 18 x 3	100
SSS 16 4C	16	4.0 x 16.0	0.1196	11	15.9	398	11.8	295	8.9	223	8--9	3/4 x 18 x 3	115
SSS 18 4C	18	4.0 x 18.0	0.1196	11	12.6	315	9.2	230	6.7	168	8--9	3/4 x 18 x 3	125
SSS 20 4C	20	4.0 x 20.0	0.1196	11	9.6	240	6.7	167	4.5	150	8--9	3/4 x 18 x 3	140
SSS 20 4G	20	4.0 x 20.0	0.1793	7	14	350	11	275	8	200	8--9	3/4 x 30 x 3	198
SSS 20 5C	20	5.0 x 20.0	0.1196	11	17.7	443	12.7	343	9.4	235	10--12	1 x 36 x 4	185
SSS 20 5G	20	5.0 x 20.0	0.1793	7	28.1	703	21.4	535	16.2	405	10--12	1 x 36 x 4	265
SSS 25 4C	25	4.0 x 25.0	0.1196	11	4.8	150	2.6	100	1	50	8--9	3/4 x 18 x 3	170
SSS 25 4G	25	4.0 x 25.0	0.1793	7	10.8	270	7.7	188	5.4	135	8--9	3/4 x 30 x 3	245
SSS 25 5C	25	5.0 x 25.0	0.1196	11	9.8	245	6.3	157	3.7	150	10--12	1 x 36 x 4	225
SSS 25 5G	25	5.0 x 25.0	0.1793	7	18.5	463	13.3	333	9.5	238	10--12	1 x 36 x 4	360
SSS 30 4G	30	4.0 x 30.0	0.1793	7	6.7	168	4.4	110	2.6	65	8--9	3/4 x 30 x 3	295
SSS 30 5C	30	5.0 x 30.0	0.1196	11	4.7	150	2	50	--	--	10--12	1 x 36 x 4	265
SSS 30 5G	30	5.0 x 30.0	0.1793	7	10.7	267	6.7	167	3.9	100	10--12	1 x 36 x 4	380
SSS 30 6G	30	6.0 x 30.0	0.1793	7	19	475	13.2	330	9	225	11--13	1 x 36 x 4	520
SSS 35 5G	35	5.0 x 35.0	0.1793	7	5.9	150	2.5	100	--	--	10--12	1 x 36 x 4	440
SSS 35 6G	35	6.0 x 35.0	0.1793	7	12.4	310	7.6	190	4.2	105	11--13	1 x 36 x 4	540
SSS 39 6G	39	6.0 x 39.0	0.1793	7	7.2	180	3	75	--	--	11--13	1 x 36 x 4	605

## BASE DETAIL



## POLE DATA

Shaft base size	Bolt circle A	Bolt projection B	Base square C	Template description	Anchor bolt description	Anchor bolt and template number
4"C	8-1/2"	2-3/4"-4"	8"	ABTEMPLATE PJ50004	AB18-0	ABSSS-4C
4"G	8-1/2"	2-3/4"-4"	8"	ABTEMPLATE PJ50004	AB30-0	ABSSS-4G
5"	10"-12"	3-3/8"-4"	11"	ABTEMPLATE PJ50010	AB36-0	ABSSS-5
6"	11"-13"	3-3/8"-4"	12-1/2"	ABTEMPLATE PJ50011	AB36-0	N/A

### IMPORTANT:

• These specifications are intended for general purposes only. Lithonia reserves the right to change material or design, without prior notice, in a continuing effort to upgrade its products.



# D-Series Size 1 LED Area Luminaire

**TYPE: Z5D**

Catalog Number

Notes

Type

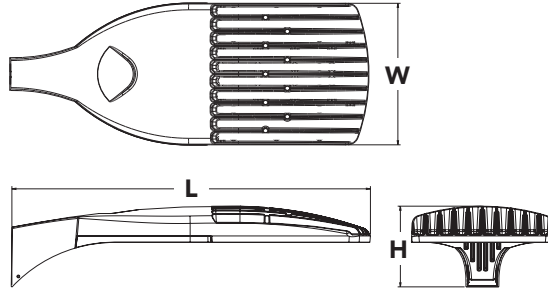
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d#series



## Specifications

- EPA:** 1.01 ft<sup>2</sup> (0.09 m<sup>2</sup>)
- Length:** 33" (83.8 cm)
- Width:** 13" (33.0 cm)
- Height:** 7-1/2" (19.0 cm)
- Weight (max):** 27 lbs (12.2 kg)



## Introduction

The modern styling of the D-Series is striking yet unobtrusive - making a bold, progressive statement even as it blends seamlessly with its environment.

The D-Series distills the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire. The outstanding photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. It is ideal for replacing up to 750W metal halide in pedestrian and area lighting applications with typical energy savings of 65% and expected service life of over 100,000 hours.

## Ordering Information

**EXAMPLE: DSX1 LED 60C 1000 40K T3M MVOLT SPA DDBXD**

DSX1LED	Series	LEDs	Drive current	Color temperature	Distribution	Voltage	Mounting
	<b>DSX1 LED</b>	<b>Forward optics</b> 30C 30 LEDs (one engine) 40C 40 LEDs (two engines) <b>60C 60 LEDs (two engines)</b> <b>Rotated optics<sup>1</sup></b> 60C 60 LEDs (two engines)	530 530 mA <b>700 700 mA</b> 1000 1000 mA (1 A) <sup>2</sup>	30K 3000 K <b>40K 4000 K</b> 50K 5000 K AMBPC Amber phosphor converted <sup>3</sup>	T1S Type I short T2S Type II short T2M Type II medium T3S Type III short T3M Type III medium T4M Type IV medium TFTM Forward throw medium T5VS Type V very short T5S Type V short <b>T5M Type V medium</b> T5W Type V wide BLC Backlight control <sup>2,4</sup> LCCO Left corner cutoff <sup>2,4</sup> RCCO Right corner cutoff <sup>2,4</sup>	MVOLT <sup>5</sup> 120 <sup>5</sup> 208 <sup>5</sup> 240 <sup>5</sup> 277 <sup>5</sup> 347 <sup>6</sup> <b>480<sup>6</sup></b>	<b>Shipped included</b> SPA Square pole mounting RPA Round pole mounting WBA Wall bracket SPUMBA Square pole universal mounting adaptor <sup>7</sup> RPUMBA Round pole universal mounting adaptor <sup>7</sup> <b>Shipped separately</b> KMA8 DDBXD U Mast arm mounting bracket adaptor (specify finish) <sup>8</sup>

Control options	Other options	Finish (required)
<b>Shipped installed</b> PER NEMA twist-lock receptacle only (no controls) <sup>9</sup> PER5 Five-wire receptacle only (no controls) <sup>9,10</sup> PER7 Seven-wire receptacle only (no controls) <sup>9,10</sup> DMG 0-10V dimming driver (no controls) <sup>11</sup> DCR Dimmable and controllable via ROAM <sup>®</sup> (no controls) <sup>12</sup> DS Dual switching <sup>13,14</sup> PIR Bi-level, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 5fc <sup>15</sup> <b>PIRH Bi-level, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 5fc<sup>15</sup></b> PIR1FC3V Bi-level, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc <sup>15</sup>	<b>Shipped installed</b> HS House-side shield <sup>19</sup> WTB Utility terminal block <sup>20</sup> SF Single fuse (120, 277, 347V) <sup>21</sup> <b>DF Double fuse (208, 240, 480V)<sup>21</sup></b> L90 Left rotated optics <sup>22</sup> R90 Right rotated optics <sup>22</sup> BS Bird spikes	DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White DDBTXD Textured dark bronze <b>DBLBXD Textured black</b> <b>DNATXD Textured natural aluminum</b> DWHGXD Textured white

Accessories	Controls & Shields
Ordered and shipped separately.	DLL127F 1.5 JU Photocell - SSL twist-lock (120-277V) <sup>23</sup>
	DLL347F 1.5 CUL JU Photocell - SSL twist-lock (347V) <sup>23</sup>
	DLL480F 1.5 CUL JU Photocell - SSL twist-lock (480V) <sup>23</sup>
	DSHORT SBK U Shorting cap <sup>23</sup>
	DSX1HS 30C U House-side shield for 30 LED unit <sup>19</sup>
	DSX1HS 40C U House-side shield for 40 LED unit <sup>19</sup>
	DSX1HS 60C U House-side shield for 60 LED unit <sup>19</sup>
	PUMBA DDBXD U* Square and round pole universal mounting bracket (specify finish) <sup>24</sup>
	KMA8 DDBXD U Mast arm mounting bracket adaptor (specify finish) <sup>8</sup>

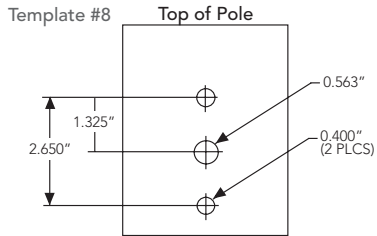
**NOTES**

- Rotated optics available with 60C only.
- Not available AMBPC.
- Only available with 530mA or 700mA.
- Not available with HS.
- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz). Specify 120V, 208V, 240V or 277V options only when ordering with fusing (SF, DF options).
- Not available with single board, 530mA product (30C 530 or 60C 530 DS). Not available with BL30, BL50 or PNMT options.
- Existing drilled pole only. Available as a separate combination accessory; for retrofit use only: PUMBA (finish) U; 1.5 G vibration load rating per ANCI C136.31.
- Must order fixture with SPA option. Must be ordered as a separate accessory; see Accessories information. For use with 2-3/8" mast arm (not included).
- Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Not available with DS option.
- If ROAM<sup>®</sup> node required, it must be ordered and shipped as a separate line item from Acuity Brands Controls. Not available with DCR. Node with integral dimming.
- DMG option for 347V or 480V requires 1000mA.
- Specifies a ROAM<sup>®</sup> enabled luminaire with 0-10V dimming capability; PER option required. Additional hardware and services required for ROAM<sup>®</sup> deployment; must be purchased separately. Call 1-800-442-6745 or email: sales@roamservices.net. N/A with PIR options, DS, PER5, PER7, BL30, BL50 or PNMT options. Node without integral dimming.

- Requires 40C or 60C. Provides 50/50 luminaire operation via two independent drivers on two separate circuits. N/A with PER, DCR, WTB, PIR or PIRH.
- Requires an additional switched circuit.
- PIR and PIR1FC3V specify the SensorSwitch SBGR-10-ODP control; PIRH and PIRH1FC3V specify the SensorSwitch SBGR-6-ODP control; see Outdoor Control Technical Guide for details. Dimming driver standard. Not available with PER5 or PER7. Ambient sensor disabled when ordered with DCR. Separate on/off required.
- Dimming driver standard. MVOLT only. Not available with 347V, 480V, DCR, DS, PER5, PER7 or PNMT options. Not available with PIR1FC3V or PIRH1FC3V.
- Dimming driver standard. MVOLT only. Not available with 347V, 480V, DCR, DS, PER5, PER7, BL30 or BL50. Not available with PIR1FC3V or PIRH1FC3V. Separate on/off required.
- Dimming driver standard. Not available with PER5, PER7, DMG, DCR, DS, BL30, BL50 or PNMT, PIR, PIRH, PIR1FC3V or PIRH1FC3V.
- Not available with BLC, LCCO and RCCO distribution. Also available as a separate accessory; see Accessories information.
- WTB not available with DS.
- Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
- Available with 60 LEDs (60C option) only.
- Requires luminaire to be specified with PER option. Ordered and shipped as a separate line item from Acuity Brands Controls.
- For retrofit use only.



## Drilling



DSX1 shares a unique drilling pattern with the AERIS™ family. Specify this drilling pattern when specifying poles, per the table below.

<b>DM19AS</b>	Single unit	<b>DM29AS</b>	2 at 90°**
<b>DM28AS</b>	2 at 180°	<b>DM39AS</b>	3 at 90°**
<b>DM49AS</b>	4 at 90°**	<b>DM32AS</b>	3 at 120°**

**Example:** SSA 20 4C DM19AS DDBXD

Visit Lithonia Lighting's [POLES CENTRAL](#) to see our wide selection of poles, accessories and educational tools.

\*Round pole top must be 3.25" O.D. minimum.

\*\*Far round pole mounting (RPA) only.

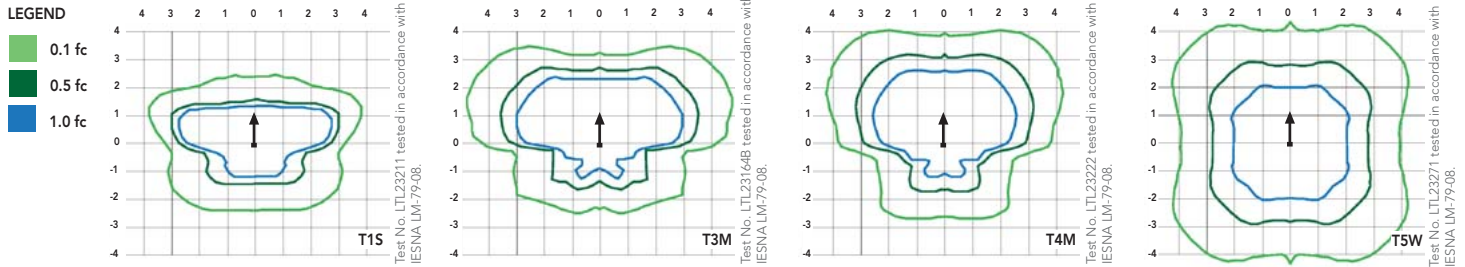
## Tenon Mounting Slipfitter\*\*

Tenon O.D.	Single Unit	2 at 180°	2 at 90°	3 at 120°	3 at 90°	4 at 90°
2-3/8"	AST20-190	AST20-280	AST20-290	AST20-320	AST20-390	AST20-490
2-7/8"	AST25-190	AST25-280	AST25-290	AST25-320	AST25-390	AST25-490
4"	AST35-190	AST35-280	AST35-290	AST35-320	AST35-390	AST35-490

## Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's [D-Series Area Size 1 homepage](#).

Isofootcandle plots for the DSX1 LED 60C 1000 40K. Distances are in units of mounting height (20').



## Performance Data

### Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient		Lumen Multiplier
0°C	32°F	1.02
10°C	50°F	1.01
20°C	68°F	1.00
<b>25°C</b>	<b>77°F</b>	<b>1.00</b>
30°C	86°F	1.00
40°C	104°F	0.99

### Electrical Load

Number of LEDs	Drive Current (mA)	System Watts	Current (A)					
			120	208	240	277	347	480
30	530	52	0.52	0.30	0.26	0.23	--	--
	700	68	0.68	0.39	0.34	0.30	0.24	0.17
	1000	105	1.03	0.59	0.51	0.45	0.36	0.26
40	530	68	0.67	0.39	0.34	0.29	0.23	0.17
	700	89	0.89	0.51	0.44	0.38	0.31	0.22
	1000	138	1.35	0.78	0.67	0.58	0.47	0.34
60	530	99	0.97	0.56	0.48	0.42	0.34	0.24
	700	131	1.29	0.74	0.65	0.56	0.45	0.32
	1000	209	1.98	1.14	0.99	0.86	0.69	0.50

### Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a 25°C ambient, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	DSX1 LED 60C 1000			
	1.0	0.98	0.96	0.91
	DSX1 LED 60C 700			
	1.0	0.99	0.99	0.99

# Performance Data

## Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Forward Optics																							
LEDs	Drive Current (mA)	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)					AMBPC (Amber Phosphor Converted)				
				Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
30C (30 LEDs)	530 mA	52 W	T1S	5,948	1	0	1	114	6,387	1	0	1	123	6,427	1	0	1	124	3,640	1	0	1	70
			T2S	6,132	1	0	1	118	6,585	2	0	2	127	6,626	2	0	2	127	3,813	1	0	1	73
			T2M	5,992	1	0	2	115	6,434	1	0	2	124	6,475	1	0	2	125	3,689	1	0	1	71
			T3S	5,985	1	0	1	115	6,427	1	0	2	124	6,467	1	0	2	124	3,770	1	0	1	73
			T3M	6,039	1	0	2	116	6,485	1	0	2	125	6,525	1	0	2	125	3,752	1	0	1	72
			T4M	6,121	1	0	2	118	6,573	1	0	2	126	6,614	1	0	2	127	3,758	1	0	1	72
			TFTM	6,030	1	0	2	116	6,475	1	0	2	125	6,515	1	0	2	125	3,701	1	0	1	71
			TSVS	6,370	2	0	0	123	6,840	2	0	0	132	6,883	2	0	0	132	3,928	2	0	0	76
			T5S	6,417	2	0	0	123	6,890	2	0	0	133	6,933	2	0	0	133	3,881	2	0	0	75
			T5M	6,428	3	0	1	124	6,902	3	0	1	133	6,945	3	0	1	134	3,930	2	0	1	76
			T5W	6,334	3	0	1	122	6,801	3	0	1	131	6,844	3	0	1	132	3,820	3	0	1	73
			BLC	4,735	1	0	1	91	5,085	1	0	2	98	5,116	1	0	1	98					
			LCCO	4,600	1	0	2	88	4,940	1	0	2	95	4,971	1	0	2	96					
			RCCO	4,600	1	0	2	88	4,940	1	0	2	95	4,971	1	0	2	96					
			T1S	7,554	1	0	1	111	8,112	2	0	2	119	8,163	2	0	2	120	4,561	1	0	1	67
			T2S	7,789	2	0	2	115	8,364	2	0	2	123	8,416	2	0	2	124	4,777	1	0	1	70
			T2M	7,610	1	0	2	112	8,172	2	0	2	120	8,223	2	0	2	121	4,622	1	0	2	68
			T3S	7,601	1	0	2	112	8,162	2	0	2	120	8,213	2	0	2	121	4,724	1	0	1	69
	T3M	7,670	1	0	2	113	8,236	2	0	2	121	8,288	2	0	2	122	4,701	1	0	2	69		
	T4M	7,774	1	0	2	114	8,348	2	0	2	123	8,400	2	0	2	124	4,709	1	0	2	69		
	TFTM	7,658	1	0	2	113	8,223	1	0	2	121	8,275	1	0	2	122	4,638	1	0	2	68		
	TSVS	8,090	2	0	0	119	8,687	3	0	1	128	8,742	3	0	1	129	4,922	2	0	0	72		
	T5S	8,150	2	0	0	120	8,751	3	0	0	129	8,806	3	0	0	130	4,863	2	0	0	72		
	T5M	8,164	3	0	1	120	8,767	3	0	2	129	8,821	3	0	2	130	4,924	3	0	1	72		
	T5W	8,044	3	0	1	118	8,638	3	0	2	127	8,692	3	0	2	128	4,787	3	0	1	70		
	BLC	6,028	1	0	2	89	6,473	1	0	2	95	6,514	1	0	2	96							
	LCCO	5,856	1	0	2	86	6,289	1	0	2	92	6,328	1	0	2	93							
	RCCO	5,856	1	0	2	86	6,289	1	0	2	92	6,328	1	0	2	93							
	T1S	10,331	2	0	2	98	11,094	2	0	2	106	11,163	2	0	2	106							
	T2S	10,652	2	0	2	101	11,438	2	0	2	109	11,510	2	0	2	110							
	T2M	10,408	2	0	2	99	11,176	2	0	3	106	11,246	2	0	3	107							
	T3S	10,395	2	0	2	99	11,163	2	0	2	106	11,233	2	0	2	107							
	T3M	10,490	2	0	2	100	11,264	2	0	2	107	11,335	2	0	2	108							
	T4M	10,632	2	0	2	101	11,417	2	0	2	109	11,488	2	0	2	109							
	TFTM	10,473	2	0	2	100	11,247	2	0	3	107	11,317	2	0	3	108							
	TSVS	11,064	3	0	1	105	11,881	3	0	1	113	11,955	3	0	1	114							
T5S	11,145	3	0	1	106	11,968	3	0	1	114	12,043	3	0	1	115								
T5M	11,165	3	0	2	106	11,989	4	0	2	114	12,064	4	0	2	115								
T5W	11,001	3	0	2	105	11,813	4	0	2	113	11,887	4	0	2	113								
BLC	7,960	1	0	2	76	8,548	1	0	2	81	8,601	1	0	2	82								
LCCO	7,734	1	0	2	74	8,305	1	0	2	79	8,357	1	0	2	80								
RCCO	7,734	1	0	2	74	8,305	1	0	2	79	8,357	1	0	2	80								

# Performance Data

## Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Forward Optics																										
LEDs	Drive Current (mA)	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)					AMBPC (Amber Phosphor Converted)							
				Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW			
40C (40 LEDs)	530 mA	68 W	T1S	7,861	1	0	1	116	8,441	2	0	2	124	8,494	2	0	2	125	4,794	1	0	1	71			
			T2S	8,105	2	0	2	119	8,704	2	0	2	128	8,758	2	0	2	129	5,021	1	0	1	74			
			T2M	7,920	2	0	2	116	8,504	2	0	2	125	8,557	2	0	2	126	4,858	1	0	2	71			
			T3S	7,910	1	0	2	116	8,494	2	0	2	125	8,547	2	0	2	126	4,966	1	0	1	73			
			T3M	7,982	2	0	2	117	8,571	2	0	2	126	8,625	2	0	2	127	4,941	1	0	2	73			
			T4M	8,090	1	0	2	119	8,687	2	0	2	128	8,741	2	0	2	129	4,950	1	0	2	73			
			TFTM	7,969	1	0	2	117	8,558	2	0	2	126	8,611	2	0	2	127	4,875	1	0	2	72			
			TSVS	8,419	2	0	0	124	9,040	3	0	1	133	9,097	3	0	1	134	5,174	2	0	0	76			
			T5S	8,481	2	0	0	125	9,107	3	0	1	134	9,164	3	0	1	135	5,111	2	0	0	75			
			T5M	8,496	3	0	1	125	9,123	3	0	2	134	9,180	3	0	2	135	5,175	3	0	1	76			
			TSW	8,371	3	0	2	123	8,989	3	0	2	132	9,045	3	0	2	133	5,031	3	0	1	74			
			BLC	6,255	1	0	2	92	6,717	1	0	2	99	6,759	1	0	2	99								
			LCCO	6,077	1	0	2	89	6,526	1	0	2	96	6,566	1	0	2	97								
			RCCO	6,077	1	0	2	89	6,526	1	0	2	96	6,566	1	0	2	97								
						T1S	9,984	2	0	2	112	10,721	2	0	2	120	10,788	2	0	2	121	6,014	1	0	1	68
						T2S	10,294	2	0	2	116	11,054	2	0	2	124	11,123	2	0	2	125	6,299	2	0	2	71
						T2M	10,059	2	0	2	113	10,801	2	0	3	121	10,869	2	0	3	122	6,094	2	0	2	68
						T3S	10,046	2	0	2	113	10,788	2	0	2	121	10,855	2	0	2	122	6,229	1	0	2	70
				T3M	10,137	2	0	2	114	10,886	2	0	2	122	10,954	2	0	2	123	6,198	2	0	2	70		
				T4M	10,275	2	0	2	115	11,033	2	0	2	124	11,102	2	0	2	125	6,209	1	0	2	70		
				TFTM	10,122	2	0	2	114	10,869	2	0	2	122	10,937	2	0	2	123	6,115	1	0	2	69		
				TSVS	10,693	3	0	1	120	11,482	3	0	1	129	11,554	3	0	1	130	6,490	2	0	0	73		
				T5S	10,771	3	0	1	121	11,566	3	0	1	130	11,639	3	0	1	131	6,411	2	0	0	72		
				T5M	10,790	3	0	2	121	11,587	4	0	2	130	11,659	4	0	2	131	6,492	3	0	1	73		
				TSW	10,632	3	0	2	119	11,417	4	0	2	128	11,488	4	0	2	129	6,311	3	0	2	71		
				BLC	7,963	1	0	2	89	8,551	1	0	2	96	8,605	1	0	2	97							
				LCCO	7,736	1	0	2	87	8,308	1	0	2	93	8,359	1	0	2	94							
				RCCO	7,736	1	0	2	87	8,308	1	0	2	93	8,359	1	0	2	94							
		700 mA	91 W	T1S	13,655	2	0	2	99	14,663	3	0	3	106	14,754	3	0	3	107							
	T2S			14,079	2	0	2	102	15,118	3	0	3	110	15,212	3	0	3	110								
	T2M			13,756	2	0	3	100	14,772	3	0	3	107	14,864	3	0	3	108								
	T3S			13,739	2	0	2	100	14,754	2	0	2	107	14,846	3	0	3	108								
	T3M			13,864	2	0	2	100	14,888	3	0	3	108	14,981	3	0	3	109								
	T4M			14,052	2	0	2	102	15,090	3	0	3	109	15,184	3	0	3	110								
	TFTM			13,842	2	0	3	100	14,864	2	0	3	108	14,957	2	0	3	108								
	TSVS			14,623	3	0	1	106	15,703	4	0	1	114	15,801	4	0	1	115								
	T5S			14,731	3	0	1	107	15,818	3	0	1	115	15,917	3	0	1	115								
	T5M			14,757	4	0	2	107	15,846	4	0	2	115	15,945	4	0	2	116								
	TSW			14,540	4	0	2	105	15,614	4	0	2	113	15,711	4	0	2	114								
	BLC			10,516	1	0	2	76	11,292	1	0	2	82	11,363	1	0	2	82								
	LCCO			10,216	2	0	3	74	10,971	2	0	3	80	11,039	2	0	3	80								
	RCCO			10,216	2	0	3	74	10,971	2	0	3	80	11,039	2	0	3	80								
				1000 mA	138 W	T1S	13,655	2	0	2	99	14,663	3	0	3	106	14,754	3	0	3	107					
	T2S					14,079	2	0	2	102	15,118	3	0	3	110	15,212	3	0	3	110						
	T2M					13,756	2	0	3	100	14,772	3	0	3	107	14,864	3	0	3	108						
	T3S					13,739	2	0	2	100	14,754	2	0	2	107	14,846	3	0	3	108						
	T3M	13,864	2			0	2	100	14,888	3	0	3	108	14,981	3	0	3	109								
	T4M	14,052	2			0	2	102	15,090	3	0	3	109	15,184	3	0	3	110								
TFTM	13,842	2	0			3	100	14,864	2	0	3	108	14,957	2	0	3	108									
TSVS	14,623	3	0			1	106	15,703	4	0	1	114	15,801	4	0	1	115									
T5S	14,731	3	0			1	107	15,818	3	0	1	115	15,917	3	0	1	115									
T5M	14,757	4	0			2	107	15,846	4	0	2	115	15,945	4	0	2	116									
TSW	14,540	4	0			2	105	15,614	4	0	2	113	15,711	4	0	2	114									
BLC	10,516	1	0			2	76	11,292	1	0	2	82	11,363	1	0	2	82									
LCCO	10,216	2	0			3	74	10,971	2	0	3	80	11,039	2	0	3	80									
RCCO	10,216	2	0			3	74	10,971	2	0	3	80	11,039	2	0	3	80									

# Performance Data

## Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

### Forward Optics

LEDs	Drive Current (mA)	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)					AMBPC (Amber Phosphor Converted)						
				Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW		
60C (60 LEDs)	530 mA	99 W	T1S	11,569	2	0	2	117	12,423	2	0	2	125	12,501	2	0	2	126	7,167	2	0	2	72		
			T2S	11,928	2	0	2	120	12,809	3	0	3	129	12,889	3	0	3	130	7,507	2	0	2	76		
			T2M	11,655	2	0	2	118	12,516	2	0	3	126	12,594	2	0	3	127	7,263	2	0	2	73		
			T3S	11,641	2	0	2	118	12,500	2	0	2	126	12,579	2	0	2	127	7,424	2	0	2	75		
			T3M	11,747	2	0	2	119	12,614	2	0	2	127	12,693	2	0	2	128	7,387	2	0	2	75		
			T4M	11,906	2	0	2	120	12,785	2	0	2	129	12,865	2	0	2	130	7,400	2	0	2	75		
			TFTM	11,728	2	0	2	118	12,594	2	0	3	127	12,673	2	0	3	128	7,288	1	0	2	74		
			TSVS	12,390	3	0	1	125	13,305	3	0	1	134	13,388	3	0	1	135	7,734	3	0	1	78		
			T5S	12,481	3	0	1	126	13,402	3	0	1	135	13,486	3	0	1	136	7,641	3	0	0	77		
			T5M	12,503	3	0	2	126	13,426	4	0	2	136	13,510	4	0	2	136	7,737	3	0	2	78		
			TSW	12,320	4	0	2	124	13,229	4	0	2	134	13,312	4	0	2	134	7,522	3	0	2	76		
			BLC	9,212	1	0	2	93	9,892	1	0	2	100	9,954	1	0	2	101							
			LCCO	8,950	1	0	2	90	9,611	2	0	2	97	9,671	2	0	2	98							
			RCCO	8,950	1	0	2	90	9,611	2	0	2	97	9,671	2	0	2	98							
			700 mA	131 W	T1S	14,694	2	0	2	112	15,779	3	0	3	120	15,877	3	0	3	121	8,952	2	0	2	68
	T2S	15,150			3	0	3	116	16,269	3	0	3	124	16,370	3	0	3	125	9,377	2	0	2	72		
	T2M	14,803			2	0	3	113	15,896	3	0	3	121	15,995	3	0	3	122	9,072	2	0	2	69		
	T3S	14,785			2	0	2	113	15,877	3	0	3	121	15,976	3	0	3	122	9,273	2	0	2	71		
	T3M	14,919			2	0	2	114	16,021	3	0	3	122	16,121	3	0	3	123	9,227	2	0	2	70		
	T4M	15,122			2	0	2	115	16,238	3	0	3	124	16,340	3	0	3	125	9,243	2	0	2	71		
	TFTM	14,896			2	0	3	114	15,996	2	0	3	122	16,096	2	0	3	123	9,103	2	0	2	69		
	TSVS	15,736			3	0	1	120	16,898	4	0	1	129	17,004	4	0	1	130	9,661	3	0	1	74		
	T5S	15,852			3	0	1	121	17,022	4	0	1	130	17,129	4	0	1	131	9,544	3	0	1	73		
	T5M	15,880			4	0	2	121	17,052	4	0	2	130	17,159	4	0	2	131	9,665	3	0	2	74		
	TSW	15,647			4	0	2	119	16,802	4	0	2	128	16,907	4	0	2	129	9,395	4	0	2	72		
	BLC	11,728			1	0	2	90	12,594	1	0	2	96	12,672	3	0	3	97							
	LCCO	11,394			2	0	3	87	12,235	2	0	3	93	12,311	2	0	3	94							
	RCCO	11,394			2	0	3	87	12,235	2	0	3	93	12,311	2	0	3	94							
	1000 mA	209 W			T1S	20,095	3	0	3	96	21,579	3	0	3	103	21,714	3	0	3	104					
			T2S	20,720	3	0	3	99	22,249	3	0	3	106	22,388	3	0	3	107							
			T2M	20,245	3	0	3	97	21,740	3	0	3	104	21,876	3	0	3	105							
			T3S	20,220	3	0	3	97	21,713	3	0	3	104	21,849	3	0	3	105							
			T3M	20,404	3	0	3	98	21,910	3	0	4	105	22,047	3	0	4	105							
			T4M	20,681	3	0	3	99	22,207	3	0	4	106	22,346	3	0	4	107							
			TFTM	20,372	3	0	3	97	21,876	3	0	4	105	22,013	3	0	4	105							
			TSVS	21,521	4	0	1	103	23,110	4	0	1	111	23,254	4	0	1	111							
			T5S	21,679	4	0	1	104	23,280	4	0	1	111	23,425	4	0	1	112							
			T5M	21,717	4	0	2	104	23,321	5	0	3	112	23,466	5	0	3	112							
			TSW	21,399	4	0	3	102	22,979	5	0	3	110	23,122	5	0	3	111							
			BLC	15,487	2	0	2	74	16,630	2	0	2	80	16,734	2	0	3	80							
			LCCO	15,046	2	0	3	72	16,157	2	0	3	77	16,258	2	0	3	78							
			RCCO	15,046	2	0	3	72	16,157	2	0	3	77	16,258	2	0	3	78							

## Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

L90 and R90 Rotated Optics																								
LEDs	Drive Current (mA)	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)					AMBPC (Amber Phosphor Converted)					
				Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	
60C (60 LEDs)	530 mA	99 W	T1S	11,569	2	0	2	117	12,423	2	0	2	125	12,501	2	0	2	126	7,167	2	0	2	72	
			T2S	11,928	2	0	2	120	12,809	3	0	3	129	12,889	3	0	3	130	7,507	2	0	2	76	
			T2M	11,655	2	0	2	118	12,516	2	0	3	126	12,594	2	0	3	127	7,263	2	0	2	73	
			T3S	11,641	2	0	2	118	12,500	2	0	2	126	12,579	2	0	2	127	7,424	2	0	2	75	
			T3M	11,747	2	0	2	119	12,614	2	0	2	127	12,693	2	0	2	128	7,387	2	0	2	75	
			T4M	11,906	2	0	2	120	12,785	2	0	2	129	12,865	2	0	2	130	7,400	2	0	2	75	
			TFTM	11,728	2	0	2	118	12,594	2	0	3	127	12,673	2	0	3	128	7,288	1	0	2	74	
			TSVS	12,390	3	0	1	125	13,305	3	0	1	134	13,388	3	0	1	135	7,734	3	0	1	78	
			T5S	12,481	3	0	1	126	13,402	3	0	1	135	13,486	3	0	1	136	7,641	3	0	0	77	
			T5M	12,503	3	0	2	126	13,426	4	0	2	136	13,510	4	0	2	136	7,737	3	0	2	78	
			TSW	12,320	4	0	2	124	13,229	4	0	2	134	13,312	4	0	2	134	7,522	3	0	2	76	
			BLC	9,212	1	0	2	93	9,892	1	0	2	100	9,954	1	0	2	101						
			LCCO	8,950	1	0	2	90	9,611	2	0	2	97	9,671	2	0	2	98						
			RCCO	8,950	1	0	2	90	9,611	2	0	2	97	9,671	2	0	2	98						
			T1S	14,694	2	0	2	112	15,779	3	0	3	120	15,877	3	0	3	121	8,952	2	0	2	68	
			T2S	15,150	3	0	3	116	16,269	3	0	3	124	16,370	3	0	3	125	9,377	2	0	2	72	
			T2M	14,803	2	0	3	113	15,896	3	0	3	121	15,995	3	0	3	122	9,072	2	0	2	69	
			T3S	14,785	2	0	2	113	15,877	3	0	3	121	15,976	3	0	3	122	9,273	2	0	2	71	
			T3M	14,919	2	0	2	114	16,021	3	0	3	122	16,121	3	0	3	123	9,227	2	0	2	70	
			T4M	15,122	2	0	2	115	16,238	3	0	3	124	16,340	3	0	3	125	9,243	2	0	2	71	
	TFTM	14,896	2	0	3	114	15,996	2	0	3	122	16,096	2	0	3	123	9,103	2	0	2	69			
	TSVS	15,736	3	0	1	120	16,898	4	0	1	129	17,004	4	0	1	130	9,661	3	0	1	74			
	T5S	15,852	3	0	1	121	17,022	4	0	1	130	17,129	4	0	1	131	9,544	3	0	1	73			
	T5M	15,880	4	0	2	121	17,052	4	0	2	130	17,159	4	0	2	131	9,665	3	0	2	74			
	TSW	15,647	4	0	2	119	16,802	4	0	2	128	16,907	4	0	2	129	9,395	4	0	2	72			
	BLC	11,728	1	0	2	90	12,594	1	0	2	96	12,672	3	0	3	97								
	LCCO	11,394	2	0	3	87	12,235	2	0	3	93	12,311	2	0	3	94								
	RCCO	11,394	2	0	3	87	12,235	2	0	3	93	12,311	2	0	3	94								
	T1S	20,095	3	0	3	96	21,579	3	0	3	103	21,714	3	0	3	104								
	T2S	20,720	3	0	3	99	22,249	3	0	3	106	22,388	3	0	3	107								
	T2M	20,245	3	0	3	97	21,740	3	0	3	104	21,876	3	0	3	105								
	T3S	20,220	3	0	3	97	21,713	3	0	3	104	21,849	3	0	3	105								
	T3M	20,404	3	0	3	98	21,910	3	0	4	105	22,047	3	0	4	105								
	T4M	20,681	3	0	3	99	22,207	3	0	4	106	22,346	3	0	4	107								
	TFTM	20,372	3	0	3	97	21,876	3	0	4	105	22,013	3	0	4	105								
	TSVS	21,521	4	0	1	103	23,110	4	0	1	111	23,254	4	0	1	111								
	T5S	21,679	4	0	1	104	23,280	4	0	1	111	23,425	4	0	1	112								
	T5M	21,717	4	0	2	104	23,321	5	0	3	112	23,466	5	0	3	112								
	TSW	21,399	4	0	3	102	22,979	5	0	3	110	23,122	5	0	3	111								
	BLC	15,487	2	0	2	74	16,630	2	0	2	80	16,734	2	0	3	80								
	LCCO	15,046	2	0	3	72	16,157	2	0	3	77	16,258	2	0	3	78								
	RCCO	15,046	2	0	3	72	16,157	2	0	3	77	16,258	2	0	3	78								

## FEATURES & SPECIFICATIONS

### INTENDED USE

The sleek design of the D-Series Size 1 reflects the embedded high performance LED technology. It is ideal for many commercial and municipal applications, such as parking lots, plazas, campuses, and streetscapes.

### CONSTRUCTION

Single-piece die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. Modular design allows for ease of maintenance and future light engine upgrades. The LED drivers are mounted in direct contact with the casting to promote low operating temperature and long life. Housing is completely sealed against moisture and environmental contaminants (IP65). Low EPA (1.01 ft²) for optimized pole wind loading.

### FINISH

Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Available in both textured and non-textured finishes.

### OPTICS

Precision-molded proprietary acrylic lenses are engineered for superior area lighting distribution, uniformity, and pole spacing. Light engines are available in standard 3000 K, 4000 K and 5000 K (70 CRI) or optional 3000 K (70 minimum CRI) or 5000 K (70 CRI) configurations. The D-Series Size 1 has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

### ELECTRICAL

Light engine configurations consist of 30, 40 or 60 high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L99/100,000 hours at

25°C). Class 1 electronic drivers are designed to have a power factor >90%, THD <20%, and an expected life of 100,000 hours with <1% failure rate. Easily serviceable 10kV or 6kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

### INSTALLATION

Included mounting block and integral arm facilitate quick and easy installation. Stainless steel bolts fasten the mounting block securely to poles and walls, enabling the D-Series Size 1 to withstand up to a 3.0 G vibration load rating per ANSI C136.31. The D-Series Size 1 utilizes the AERIS™ series pole drilling pattern (template #8). Optional terminal block, tool-less entry, and NEMA photocontrol receptacle are also available.

### LISTINGS

UL Listed for wet locations. Light engines are IP66 rated; luminaire is IP65 rated. Rated for -40°C minimum ambient. U.S. Patent No. D672,492 S. International patent pending.

DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at [www.designlights.org](http://www.designlights.org) to confirm which versions are qualified.

### WARRANTY

5-year limited warranty. Complete warranty terms located at [www.acuitybrands.com/CustomerResources/Terms\\_and\\_conditions.aspx](http://www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx)

**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.





## FEATURES & SPECIFICATIONS

**INTENDED USE** — Square straight steel pole for up to 39-foot mounting height.

**CONSTRUCTION** — Weldable-grade, hot-rolled, commercial-quality carbon steel tubing with a minimum yield of 55,000 psi (11-gauge), or 50,000 psi (7-gauge). Uniform wall thickness of .1196" or .1793". Shaft is one-piece with a full-length longitudinal high-frequency electric resistance weld. Uniformly square in cross-section with flat sides, small corner radii and excellent torsional qualities. Available shaft widths are 4, 5 and 6 inches.

Anchor base is fabricated from hot-rolled carbon steel plate conforming to ASTM A36, that meets or exceeds a minimum-yield strength of 36,000 psi. Base plate and shaft are circumferentially welded top and bottom. Base cover is finished to match pole.

A handhole having nominal dimensions of 3" x 5" for all shafts. Included is a cover with attachment screws.

Top cap provided with all drill-mount and open top "PT" poles.

Fasteners are high-strength galvanized, zinc-plated or stainless steel.

Finish: Must specify finish.

Grounding: Provision located immediately inside handhole rim. Grounding hardware is not included (provided by others).

Anchor bolts: Top portion of anchor bolt is galvanized per ASTM A-153. Made of steel rod having a minimum yield strength of 55,000 psi.

Note: Specifications subject to change without notice.

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

Catalog Number
Notes
Type



Anchor Base Poles

# SSS

SQUARE STRAIGHT STEEL

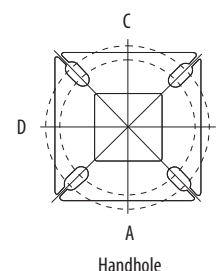
**ORDERING INFORMATION** Lead times will vary depending on options selected. Consult with your sales representative. Example: SSS 20 5C DM19 DDB

SSS Series	Nominal fixture mounting height	Nominal shaft base size/wall thickness	Mounting <sup>1</sup>	Options	Finish <sup>10</sup>	
SSS	10 – 39 feet (See back page.)	(See back page.)	<p><u>Tenon mounting</u></p> <p>PT Open top (includes top cap)</p> <p>T20 2-3/8" O.D. (2" NPS)</p> <p>T25 2-7/8" O.D. (2-1/2" NPS)</p> <p>T30 3-1/2" O.D. (3" NPS)</p> <p>T35 4" O.D. (3-1/2" NPS)</p> <p><u>Drill mounting<sup>2</sup></u></p> <p>DM19 1 at 90°</p> <p>DM28 2 at 180°</p> <p>DM28 PL 2 at 180° with one side plugged</p> <p>DM29 2 at 90°</p> <p>DM39 3 at 90°</p> <p>DM49 4 at 90°</p> <p><u>CSX/DSX/AERIS™/OMERO™ Drill mounting<sup>2</sup></u></p> <p>DM19AS 1 at 90°</p> <p><b>DM28AS 2 at 180°</b></p> <p>DM29AS 2 at 90°</p> <p>DM39AS 3 at 90°</p> <p>DM49AS 4 at 90°</p>	<p><u>AERIS™ Suspend drill mounting<sup>2,3</sup></u></p> <p>DM19AST_ 1 at 90°</p> <p>DM28AST_ 2 at 180°</p> <p>DM29AST_ 2 at 90°</p> <p>DM39AST_ 3 at 90°</p> <p>DM49AST_ 4 at 90°</p> <p><u>OMERO™ Suspend drill mounting<sup>2,3</sup></u></p> <p>DM19MRT_ 1 at 90°</p> <p>DM28MRT_ 2 at 180°</p> <p>DM29MRT_ 2 at 90°</p> <p>DM39MRT_ 3 at 90°</p> <p>DM49MRT_ 4 at 90°</p>	<p><u>Shipped installed</u></p> <p>L/AB Less anchor bolts</p> <p>VD Vibration damper</p> <p>TP Tamper proof</p> <p>H1-18Sxx Horizontal arm bracket (1 fixture)<sup>4,5</sup></p> <p>FDLxx Festoon outlet less electrical<sup>4</sup></p> <p>CPL12xx 1/2" coupling<sup>4</sup></p> <p>CPL34xx 3/4" coupling<sup>4</sup></p> <p>CPL1xx 1" coupling<sup>4</sup></p> <p>NPL12xx 1/2" threaded nipple<sup>4</sup></p> <p>NPL34xx 3/4" threaded nipple<sup>4</sup></p> <p>NPL1xx 1" threaded nipple<sup>4</sup></p> <p>EHHxx Extra handhole<sup>4,6</sup></p> <p>MAEX Match existing<sup>7</sup></p> <p>USPOM United States point of manufacture<sup>8</sup></p> <p>IC Interior coating<sup>9</sup></p>	<p><u>Standard colors</u></p> <p>DDB Dark bronze</p> <p>DWH White</p> <p>DBL Black</p> <p>DMB Medium bronze</p> <p><b>DNA Natural aluminum</b></p> <p><u>Classic colors</u></p> <p>DSS Sandstone</p> <p>DGC Charcoal gray</p> <p>DTG Tennis green</p> <p>DBR Bright red</p> <p>DSB Steel blue</p> <p><u>Architectural colors (powder finish)<sup>10</sup></u></p>

**NOTES:**

- PT open top poles include top cap. When ordering tenon mounting and drill mounting for the same pole, follow this example: DM28/T20. The combination includes a required extra handhole.
- The drilling template to be used for a particular luminaire depends on the luminaire that is used. Refer to the Technical Data Section of the Outdoor Binder for Drilling Templates.
- Insert "1" or "2" to designate fixture size; e.g. DM19AST2.
- Specify location and orientation when ordering option.  
For 1st "x": Specify the height in feet above base of pole.  
Example: 5ft = 5 and 20ft = 20  
For 2nd "x": Specify orientation from handhole (A,B,C,D)  
Refer to the Handhole Orientation diagram above.
- Horizontal arm is 18" x 2-3/8" O.D. tenon standard.
- Combination of tenon-top and drill mount includes extra handhole.
- Must add original order number
- Use when mill certifications are required.
- Provides enhanced corrosion resistance.
- Additional colors available; see [www.lithonia.com/archcolors](http://www.lithonia.com/archcolors) or Architectural Colors brochure (Form No. 794.3). Powder finish standard.

**HANDHOLE ORIENTATION**



**IMPORTANT INSTALLATION NOTES:**

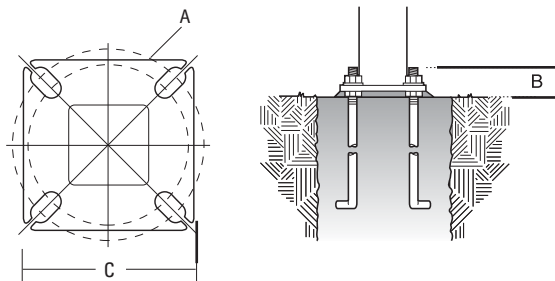
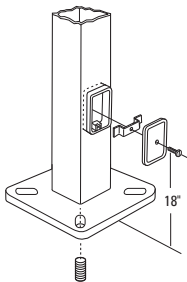
- Do not erect poles without having fixtures installed.
- Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates.
- If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage.
- Lithonia Lighting is not responsible for the foundation design.

# SSS Square Straight Steel Poles

## TECHNICAL INFORMATION

Catalog Number	Nominal mount ht. (ft)	Pole Shaft Size (in x ft)	Wall Thickness (in)	Gauge	EPA (ft <sup>2</sup> ) with 1.3 gust						Bolt Circle (in)	Bolt Size (in x in x in)	Approximate ship (lbs)
					80 mph	Max. weight	90 mph	Max. weight	100 mph	Max. weight			
SSS 10 4C	10	4.0 x 10.0	0.1196	11	30.6	765	23.8	595	18.9	473	8--9	3/4 x 18 x 3	75
SSS 12 4C	12	4.0 x 12.0	0.1196	11	24.4	610	18.8	470	14.8	370	8--9	3/4 x 18 x 3	90
SSS 14 4C	14	4.0 x 14.0	0.1196	11	19.9	498	15.1	378	11.7	293	8--9	3/4 x 18 x 3	100
SSS 16 4C	16	4.0 x 16.0	0.1196	11	15.9	398	11.8	295	8.9	223	8--9	3/4 x 18 x 3	115
SSS 18 4C	18	4.0 x 18.0	0.1196	11	12.6	315	9.2	230	6.7	168	8--9	3/4 x 18 x 3	125
SSS 20 4C	20	4.0 x 20.0	0.1196	11	9.6	240	6.7	167	4.5	150	8--9	3/4 x 18 x 3	140
SSS 20 4G	20	4.0 x 20.0	0.1793	7	14	350	11	275	8	200	8--9	3/4 x 30 x 3	198
SSS 20 5C	20	5.0 x 20.0	0.1196	11	17.7	443	12.7	343	9.4	235	10--12	1 x 36 x 4	185
SSS 20 5G	20	5.0 x 20.0	0.1793	7	28.1	703	21.4	535	16.2	405	10--12	1 x 36 x 4	265
SSS 25 4C	25	4.0 x 25.0	0.1196	11	4.8	150	2.6	100	1	50	8--9	3/4 x 18 x 3	170
SSS 25 4G	25	4.0 x 25.0	0.1793	7	10.8	270	7.7	188	5.4	135	8--9	3/4 x 30 x 3	245
SSS 25 5C	25	5.0 x 25.0	0.1196	11	9.8	245	6.3	157	3.7	150	10--12	1 x 36 x 4	225
SSS 25 5G	25	5.0 x 25.0	0.1793	7	18.5	463	13.3	333	9.5	238	10--12	1 x 36 x 4	360
SSS 30 4G	30	4.0 x 30.0	0.1793	7	6.7	168	4.4	110	2.6	65	8--9	3/4 x 30 x 3	295
SSS 30 5C	30	5.0 x 30.0	0.1196	11	4.7	150	2	50	--	--	10--12	1 x 36 x 4	265
SSS 30 5G	30	5.0 x 30.0	0.1793	7	10.7	267	6.7	167	3.9	100	10--12	1 x 36 x 4	380
SSS 30 6G	30	6.0 x 30.0	0.1793	7	19	475	13.2	330	9	225	11--13	1 x 36 x 4	520
SSS 35 5G	35	5.0 x 35.0	0.1793	7	5.9	150	2.5	100	--	--	10--12	1 x 36 x 4	440
SSS 35 6G	35	6.0 x 35.0	0.1793	7	12.4	310	7.6	190	4.2	105	11--13	1 x 36 x 4	540
SSS 39 6G	39	6.0 x 39.0	0.1793	7	7.2	180	3	75	--	--	11--13	1 x 36 x 4	605

## BASE DETAIL



## POLE DATA

Shaft base size	Bolt circle A	Bolt projection B	Base square C	Template description	Anchor bolt description	Anchor bolt and template number
4"C	8-1/2"	2-3/4"-4"	8"	ABTEMPLATE PJ50004	AB18-0	ABSSS-4C
4"G	8-1/2"	2-3/4"-4"	8"	ABTEMPLATE PJ50004	AB30-0	ABSSS-4G
5"	10"-12"	3-3/8"-4"	11"	ABTEMPLATE PJ50010	AB36-0	ABSSS-5
6"	11"-13"	3-3/8"-4"	12-1/2"	ABTEMPLATE PJ50011	AB36-0	N/A

### IMPORTANT:

• These specifications are intended for general purposes only. Lithonia reserves the right to change material or design, without prior notice, in a continuing effort to upgrade its products.



# D-Series Size 1 LED Area Luminaire

d#series



**TYPE: Z5Q**

Catalog Number

Notes

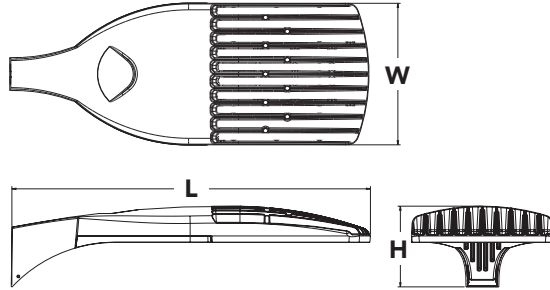
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Hit the Tab key or mouse over the page to see all interactive elements.

## Introduction

The modern styling of the D-Series is striking yet unobtrusive - making a bold, progressive statement even as it blends seamlessly with its environment.

The D-Series distills the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire. The outstanding photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. It is ideal for replacing up to 750W metal halide in pedestrian and area lighting applications with typical energy savings of 65% and expected service life of over 100,000 hours.



## Specifications

<b>EPA:</b>	1.01 ft <sup>2</sup> (0.09 m <sup>2</sup> )
<b>Length:</b>	33" (83.8 cm)
<b>Width:</b>	13" (33.0 cm)
<b>Height:</b>	7-1/2" (19.0 cm)
<b>Weight (max):</b>	27 lbs (12.2 kg)

## Ordering Information

**EXAMPLE: DSX1 LED 60C 1000 40K T3M MVOLT SPA DDBXD**

DSX1LED	Series	LEDs	Drive current	Color temperature	Distribution	Voltage	Mounting
	<b>DSX1 LED</b>	<b>Forward optics</b> 30C 30 LEDs (one engine) 40C 40 LEDs (two engines) <b>60C 60 LEDs (two engines)</b> <b>Rotated optics</b> <sup>1</sup> 60C 60 LEDs (two engines)	530 530 mA <b>700 700 mA</b> 1000 1000 mA (1 A) <sup>2</sup>	30K 3000 K <b>40K 4000 K</b> 50K 5000 K AMBPC Amber phosphor converted <sup>3</sup>	T1S Type I short T2S Type II short T2M Type II medium T3S Type III short T3M Type III medium T4M Type IV medium TFTM Forward throw medium T5VS Type V very short T5S Type V short <b>T5M Type V medium</b> T5W Type V wide BLC Backlight control <sup>2,4</sup> LCCO Left corner cutoff <sup>2,4</sup> RCCO Right corner cutoff <sup>2,4</sup>	MVOLT <sup>5</sup> 120 <sup>5</sup> 208 <sup>5</sup> 240 <sup>5</sup> 277 <sup>5</sup> 347 <sup>6</sup> <b>480<sup>6</sup></b>	<b>Shipped included</b> SPA Square pole mounting RPA Round pole mounting WBA Wall bracket SPUMBA Square pole universal mounting adaptor <sup>7</sup> RPUMBA Round pole universal mounting adaptor <sup>7</sup> <b>Shipped separately</b> KMA8 DDBXD U Mast arm mounting bracket adaptor (specify finish) <sup>8</sup>

Control options	Other options	Finish (required)
<b>Shipped installed</b> PER NEMA twist-lock receptacle only (no controls) <sup>9</sup> PER5 Five-wire receptacle only (no controls) <sup>9,10</sup> PER7 Seven-wire receptacle only (no controls) <sup>9,10</sup> DMG 0-10V dimming driver (no controls) <sup>11</sup> DCR Dimmable and controllable via ROAM <sup>®</sup> (no controls) <sup>12</sup> DS Dual switching <sup>13,14</sup> PIR Bi-level, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 5fc <sup>15</sup> <b>PIRH Bi-level, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 5fc<sup>15</sup></b> PIR1FC3V Bi-level, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc <sup>15</sup>	<b>Shipped installed</b> HS House-side shield <sup>19</sup> WTB Utility terminal block <sup>20</sup> SF Single fuse (120, 277, 347V) <sup>21</sup> <b>DF Double fuse (208, 240, 480V)<sup>21</sup></b> L90 Left rotated optics <sup>22</sup> R90 Right rotated optics <sup>22</sup> BS Bird spikes	DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White DDBTXD Textured dark bronze <b>DBLBXD Textured black</b> <b>DNATXD Textured natural aluminum</b> DWHGXD Textured white

Accessories	Controls & Shields
Ordered and shipped separately.	DLL127F 1.5 JU Photocell - SSL twist-lock (120-277V) <sup>23</sup>
	DLL347F 1.5 CUL JU Photocell - SSL twist-lock (347V) <sup>23</sup>
	DLL480F 1.5 CUL JU Photocell - SSL twist-lock (480V) <sup>23</sup>
	DSHORT SBK U Shorting cap <sup>23</sup>
	DSX1HS 30C U House-side shield for 30 LED unit <sup>19</sup>
	DSX1HS 40C U House-side shield for 40 LED unit <sup>19</sup>
	DSX1HS 60C U House-side shield for 60 LED unit <sup>19</sup>
	PUMBA DDBXD U* Square and round pole universal mounting bracket (specify finish) <sup>24</sup>
	KMA8 DDBXD U Mast arm mounting bracket adaptor (specify finish) <sup>8</sup>

**NOTES**

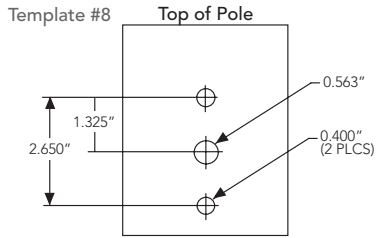
- Rotated optics available with 60C only.
- Not available AMBPC.
- Only available with 530mA or 700mA.
- Not available with HS.
- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz). Specify 120V, 208V, 240V or 277V options only when ordering with fusing (SF, DF options).
- Not available with single board, 530mA product (30C 530 or 60C 530 DS). Not available with BL30, BL50 or PNMT options.
- Existing drilled pole only. Available as a separate combination accessory; for retrofit use only: PUMBA (finish) U; 1.5 G vibration load rating per ANCI C136.31.
- Must order fixture with SPA option. Must be ordered as a separate accessory; see Accessories information. For use with 2-3/8" mast arm (not included).
- Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Not available with DS option.
- If ROAM<sup>®</sup> node required, it must be ordered and shipped as a separate line item from Acuity Brands Controls. Not available with DCR. Node with integral dimming.
- DMG option for 347V or 480V requires 1000mA.
- Specifies a ROAM<sup>®</sup> enabled luminaire with 0-10V dimming capability; PER option required. Additional hardware and services required for ROAM<sup>®</sup> deployment; must be purchased separately. Call 1-800-442-6745 or email: sales@roamservices.net. N/A with PIR options, DS, PER5, BL30, BL50 or PNMT options. Node without integral dimming.

- Requires 40C or 60C. Provides 50/50 luminaire operation via two independent drivers on two separate circuits. N/A with PER, DCR, WTB, PIR or PIRH.
- Requires an additional switched circuit.
- PIR and PIR1FC3V specify the SensorSwitch SBGR-10-ODP control; PIRH and PIRH1FC3V specify the SensorSwitch SBGR-6-ODP control; see Outdoor Control Technical Guide for details. Dimming driver standard. Not available with PER5 or PER7. Ambient sensor disabled when ordered with DCR. Separate on/off required.
- Dimming driver standard. MVOLT only. Not available with 347V, 480V, DCR, DS, PER5, PER7 or PNMT options. Not available with PIR1FC3V or PIRH1FC3V.
- Dimming driver standard. MVOLT only. Not available with 347V, 480V, DCR, DS, PER5, PER7, BL30 or BL50. Not available with PIR1FC3V or PIRH1FC3V. Separate on/off required.
- Dimming driver standard. Not available with PER5, PER7, DMG, DCR, DS, BL30, BL50 or PNMT, PIR, PIRH, PIR1FC3V or PIRH1FC3V.
- Not available with BLC, LCCO and RCCO distribution. Also available as a separate accessory; see Accessories information.
- WTB not available with DS.
- Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
- Available with 60 LEDs (60C option) only.
- Requires luminaire to be specified with PER option. Ordered and shipped as a separate line item from Acuity Brands Controls.
- For retrofit use only.

For more control options, visit DTL and ROAM online.



## Drilling



DSX1 shares a unique drilling pattern with the AERIS™ family. Specify this drilling pattern when specifying poles, per the table below.

<b>DM19AS</b>	Single unit	<b>DM29AS</b>	2 at 90°**
<b>DM28AS</b>	2 at 180°	<b>DM39AS</b>	3 at 90°**
<b>DM49AS</b>	4 at 90°**	<b>DM32AS</b>	3 at 120°**

**Example:** SSA 20 4C DM19AS DDBXD

Visit Lithonia Lighting's [POLES CENTRAL](#) to see our wide selection of poles, accessories and educational tools.

\*Round pole top must be 3.25" O.D. minimum.

\*\*Far round pole mounting (RPA) only.

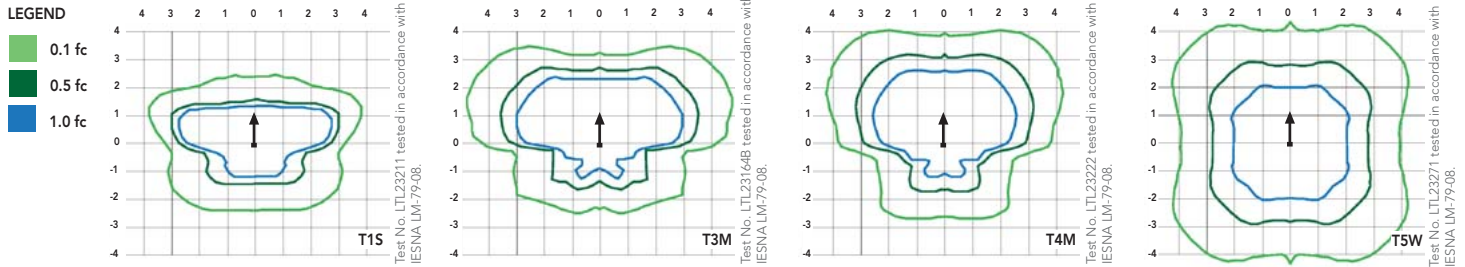
## Tenon Mounting Slipfitter\*\*

Tenon O.D.	Single Unit	2 at 180°	2 at 90°	3 at 120°	3 at 90°	4 at 90°
2-3/8"	AST20-190	AST20-280	AST20-290	AST20-320	AST20-390	AST20-490
2-7/8"	AST25-190	AST25-280	AST25-290	AST25-320	AST25-390	AST25-490
4"	AST35-190	AST35-280	AST35-290	AST35-320	AST35-390	AST35-490

## Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit [Lithonia Lighting's D-Series Area Size 1 homepage](#).

Isofootcandle plots for the DSX1 LED 60C 1000 40K. Distances are in units of mounting height (20').



## Performance Data

### Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient	Lumen Multiplier
0°C / 32°F	1.02
10°C / 50°F	1.01
20°C / 68°F	1.00
<b>25°C / 77°F</b>	<b>1.00</b>
30°C / 86°F	1.00
40°C / 104°F	0.99

### Electrical Load

Number of LEDs	Drive Current (mA)	System Watts	Current (A)					
			120	208	240	277	347	480
30	530	52	0.52	0.30	0.26	0.23	--	--
	700	68	0.68	0.39	0.34	0.30	0.24	0.17
	1000	105	1.03	0.59	0.51	0.45	0.36	0.26
40	530	68	0.67	0.39	0.34	0.29	0.23	0.17
	700	89	0.89	0.51	0.44	0.38	0.31	0.22
	1000	138	1.35	0.78	0.67	0.58	0.47	0.34
60	530	99	0.97	0.56	0.48	0.42	0.34	0.24
	700	131	1.29	0.74	0.65	0.56	0.45	0.32
	1000	209	1.98	1.14	0.99	0.86	0.69	0.50

### Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a 25°C ambient, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	DSX1 LED 60C 1000			
	1.0	0.98	0.96	0.91
	DSX1 LED 60C 700			
	1.0	0.99	0.99	0.99

# Performance Data

## Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Forward Optics																							
LEDs	Drive Current (mA)	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)					AMBPC (Amber Phosphor Converted)				
				Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
30C (30 LEDs)	530 mA	52 W	T1S	5,948	1	0	1	114	6,387	1	0	1	123	6,427	1	0	1	124	3,640	1	0	1	70
			T2S	6,132	1	0	1	118	6,585	2	0	2	127	6,626	2	0	2	127	3,813	1	0	1	73
			T2M	5,992	1	0	2	115	6,434	1	0	2	124	6,475	1	0	2	125	3,689	1	0	1	71
			T3S	5,985	1	0	1	115	6,427	1	0	2	124	6,467	1	0	2	124	3,770	1	0	1	73
			T3M	6,039	1	0	2	116	6,485	1	0	2	125	6,525	1	0	2	125	3,752	1	0	1	72
			T4M	6,121	1	0	2	118	6,573	1	0	2	126	6,614	1	0	2	127	3,758	1	0	1	72
			TFTM	6,030	1	0	2	116	6,475	1	0	2	125	6,515	1	0	2	125	3,701	1	0	1	71
			TSVS	6,370	2	0	0	123	6,840	2	0	0	132	6,883	2	0	0	132	3,928	2	0	0	76
			T5S	6,417	2	0	0	123	6,890	2	0	0	133	6,933	2	0	0	133	3,881	2	0	0	75
			T5M	6,428	3	0	1	124	6,902	3	0	1	133	6,945	3	0	1	134	3,930	2	0	1	76
			T5W	6,334	3	0	1	122	6,801	3	0	1	131	6,844	3	0	1	132	3,820	3	0	1	73
			BLC	4,735	1	0	1	91	5,085	1	0	2	98	5,116	1	0	1	98					
			LCCO	4,600	1	0	2	88	4,940	1	0	2	95	4,971	1	0	2	96					
			RCCO	4,600	1	0	2	88	4,940	1	0	2	95	4,971	1	0	2	96					
			T1S	7,554	1	0	1	111	8,112	2	0	2	119	8,163	2	0	2	120	4,561	1	0	1	67
	T2S	7,789	2	0	2	115	8,364	2	0	2	123	8,416	2	0	2	124	4,777	1	0	1	70		
	T2M	7,610	1	0	2	112	8,172	2	0	2	120	8,223	2	0	2	121	4,622	1	0	2	68		
	T3S	7,601	1	0	2	112	8,162	2	0	2	120	8,213	2	0	2	121	4,724	1	0	1	69		
	T3M	7,670	1	0	2	113	8,236	2	0	2	121	8,288	2	0	2	122	4,701	1	0	2	69		
	T4M	7,774	1	0	2	114	8,348	2	0	2	123	8,400	2	0	2	124	4,709	1	0	2	69		
	TFTM	7,658	1	0	2	113	8,223	1	0	2	121	8,275	1	0	2	122	4,638	1	0	2	68		
	TSVS	8,090	2	0	0	119	8,687	3	0	1	128	8,742	3	0	1	129	4,922	2	0	0	72		
	T5S	8,150	2	0	0	120	8,751	3	0	0	129	8,806	3	0	0	130	4,863	2	0	0	72		
	T5M	8,164	3	0	1	120	8,767	3	0	2	129	8,821	3	0	2	130	4,924	3	0	1	72		
	T5W	8,044	3	0	1	118	8,638	3	0	2	127	8,692	3	0	2	128	4,787	3	0	1	70		
	BLC	6,028	1	0	2	89	6,473	1	0	2	95	6,514	1	0	2	96							
	LCCO	5,856	1	0	2	86	6,289	1	0	2	92	6,328	1	0	2	93							
	RCCO	5,856	1	0	2	86	6,289	1	0	2	92	6,328	1	0	2	93							
	T1S	10,331	2	0	2	98	11,094	2	0	2	106	11,163	2	0	2	106							
	T2S	10,652	2	0	2	101	11,438	2	0	2	109	11,510	2	0	2	110							
T2M	10,408	2	0	2	99	11,176	2	0	3	106	11,246	2	0	3	107								
T3S	10,395	2	0	2	99	11,163	2	0	2	106	11,233	2	0	2	107								
T3M	10,490	2	0	2	100	11,264	2	0	2	107	11,335	2	0	2	108								
T4M	10,632	2	0	2	101	11,417	2	0	2	109	11,488	2	0	2	109								
TFTM	10,473	2	0	2	100	11,247	2	0	3	107	11,317	2	0	3	108								
TSVS	11,064	3	0	1	105	11,881	3	0	1	113	11,955	3	0	1	114								
T5S	11,145	3	0	1	106	11,968	3	0	1	114	12,043	3	0	1	115								
T5M	11,165	3	0	2	106	11,989	4	0	2	114	12,064	4	0	2	115								
T5W	11,001	3	0	2	105	11,813	4	0	2	113	11,887	4	0	2	113								
BLC	7,960	1	0	2	76	8,548	1	0	2	81	8,601	1	0	2	82								
LCCO	7,734	1	0	2	74	8,305	1	0	2	79	8,357	1	0	2	80								
RCCO	7,734	1	0	2	74	8,305	1	0	2	79	8,357	1	0	2	80								

# Performance Data

## Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Forward Optics																							
LEDs	Drive Current (mA)	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)					AMBPC (Amber Phosphor Converted)				
				Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
40C (40 LEDs)	530 mA	68 W	T1S	7,861	1	0	1	116	8,441	2	0	2	124	8,494	2	0	2	125	4,794	1	0	1	71
			T2S	8,105	2	0	2	119	8,704	2	0	2	128	8,758	2	0	2	129	5,021	1	0	1	74
			T2M	7,920	2	0	2	116	8,504	2	0	2	125	8,557	2	0	2	126	4,858	1	0	2	71
			T3S	7,910	1	0	2	116	8,494	2	0	2	125	8,547	2	0	2	126	4,966	1	0	1	73
			T3M	7,982	2	0	2	117	8,571	2	0	2	126	8,625	2	0	2	127	4,941	1	0	2	73
			T4M	8,090	1	0	2	119	8,687	2	0	2	128	8,741	2	0	2	129	4,950	1	0	2	73
			TFTM	7,969	1	0	2	117	8,558	2	0	2	126	8,611	2	0	2	127	4,875	1	0	2	72
			TSVS	8,419	2	0	0	124	9,040	3	0	1	133	9,097	3	0	1	134	5,174	2	0	0	76
			T5S	8,481	2	0	0	125	9,107	3	0	1	134	9,164	3	0	1	135	5,111	2	0	0	75
			T5M	8,496	3	0	1	125	9,123	3	0	2	134	9,180	3	0	2	135	5,175	3	0	1	76
			TSW	8,371	3	0	2	123	8,989	3	0	2	132	9,045	3	0	2	133	5,031	3	0	1	74
			BLC	6,255	1	0	2	92	6,717	1	0	2	99	6,759	1	0	2	99					
			LCCO	6,077	1	0	2	89	6,526	1	0	2	96	6,566	1	0	2	97					
			RCCO	6,077	1	0	2	89	6,526	1	0	2	96	6,566	1	0	2	97					
			T1S	9,984	2	0	2	112	10,721	2	0	2	120	10,788	2	0	2	121	6,014	1	0	1	68
			T2S	10,294	2	0	2	116	11,054	2	0	2	124	11,123	2	0	2	125	6,299	2	0	2	71
			T2M	10,059	2	0	2	113	10,801	2	0	3	121	10,869	2	0	3	122	6,094	2	0	2	68
			T3S	10,046	2	0	2	113	10,788	2	0	2	121	10,855	2	0	2	122	6,229	1	0	2	70
	T3M	10,137	2	0	2	114	10,886	2	0	2	122	10,954	2	0	2	123	6,198	2	0	2	70		
	T4M	10,275	2	0	2	115	11,033	2	0	2	124	11,102	2	0	2	125	6,209	1	0	2	70		
	TFTM	10,122	2	0	2	114	10,869	2	0	2	122	10,937	2	0	2	123	6,115	1	0	2	69		
	TSVS	10,693	3	0	1	120	11,482	3	0	1	129	11,554	3	0	1	130	6,490	2	0	0	73		
	T5S	10,771	3	0	1	121	11,566	3	0	1	130	11,639	3	0	1	131	6,411	2	0	0	72		
	T5M	10,790	3	0	2	121	11,587	4	0	2	130	11,659	4	0	2	131	6,492	3	0	1	73		
	TSW	10,632	3	0	2	119	11,417	4	0	2	128	11,488	4	0	2	129	6,311	3	0	2	71		
	BLC	7,963	1	0	2	89	8,551	1	0	2	96	8,605	1	0	2	97							
	LCCO	7,736	1	0	2	87	8,308	1	0	2	93	8,359	1	0	2	94							
	RCCO	7,736	1	0	2	87	8,308	1	0	2	93	8,359	1	0	2	94							
	T1S	13,655	2	0	2	99	14,663	3	0	3	106	14,754	3	0	3	107							
	T2S	14,079	2	0	2	102	15,118	3	0	3	110	15,212	3	0	3	110							
	T2M	13,756	2	0	3	100	14,772	3	0	3	107	14,864	3	0	3	108							
	T3S	13,739	2	0	2	100	14,754	2	0	2	107	14,846	3	0	3	108							
	T3M	13,864	2	0	2	100	14,888	3	0	3	108	14,981	3	0	3	109							
	T4M	14,052	2	0	2	102	15,090	3	0	3	109	15,184	3	0	3	110							
	TFTM	13,842	2	0	3	100	14,864	2	0	3	108	14,957	2	0	3	108							
	TSVS	14,623	3	0	1	106	15,703	4	0	1	114	15,801	4	0	1	115							
	T5S	14,731	3	0	1	107	15,818	3	0	1	115	15,917	3	0	1	115							
	T5M	14,757	4	0	2	107	15,846	4	0	2	115	15,945	4	0	2	116							
	TSW	14,540	4	0	2	105	15,614	4	0	2	113	15,711	4	0	2	114							
BLC	10,516	1	0	2	76	11,292	1	0	2	82	11,363	1	0	2	82								
LCCO	10,216	2	0	3	74	10,971	2	0	3	80	11,039	2	0	3	80								
RCCO	10,216	2	0	3	74	10,971	2	0	3	80	11,039	2	0	3	80								

# Performance Data

## Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Forward Optics																								
LEDs	Drive Current (mA)	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)					AMBPC (Amber Phosphor Converted)					
				Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	
60C (60 LEDs)	530 mA	99 W	T1S	11,569	2	0	2	117	12,423	2	0	2	125	12,501	2	0	2	126	7,167	2	0	2	72	
			T2S	11,928	2	0	2	120	12,809	3	0	3	129	12,889	3	0	3	130	7,507	2	0	2	76	
			T2M	11,655	2	0	2	118	12,516	2	0	3	126	12,594	2	0	3	127	7,263	2	0	2	73	
			T3S	11,641	2	0	2	118	12,500	2	0	2	126	12,579	2	0	2	127	7,424	2	0	2	75	
			T3M	11,747	2	0	2	119	12,614	2	0	2	127	12,693	2	0	2	128	7,387	2	0	2	75	
			T4M	11,906	2	0	2	120	12,785	2	0	2	129	12,865	2	0	2	130	7,400	2	0	2	75	
			TFTM	11,728	2	0	2	118	12,594	2	0	3	127	12,673	2	0	3	128	7,288	1	0	2	74	
			TSVS	12,390	3	0	1	125	13,305	3	0	1	134	13,388	3	0	1	135	7,734	3	0	1	78	
			T5S	12,481	3	0	1	126	13,402	3	0	1	135	13,486	3	0	1	136	7,641	3	0	0	77	
			T5M	12,503	3	0	2	126	13,426	4	0	2	136	13,510	4	0	2	136	7,737	3	0	2	78	
			TSW	12,320	4	0	2	124	13,229	4	0	2	134	13,312	4	0	2	134	7,522	3	0	2	76	
			BLC	9,212	1	0	2	93	9,892	1	0	2	100	9,954	1	0	2	101						
			LCCO	8,950	1	0	2	90	9,611	2	0	2	97	9,671	2	0	2	98						
			RCCO	8,950	1	0	2	90	9,611	2	0	2	97	9,671	2	0	2	98						
				700 mA	131 W	T1S	14,694	2	0	2	112	15,779	3	0	3	120	15,877	3	0	3	121	8,952	2	0
	T2S	15,150	3			0	3	116	16,269	3	0	3	124	16,370	3	0	3	125	9,377	2	0	2	72	
	T2M	14,803	2			0	3	113	15,896	3	0	3	121	15,995	3	0	3	122	9,072	2	0	2	69	
	T3S	14,785	2			0	2	113	15,877	3	0	3	121	15,976	3	0	3	122	9,273	2	0	2	71	
	T3M	14,919	2			0	2	114	16,021	3	0	3	122	16,121	3	0	3	123	9,227	2	0	2	70	
	T4M	15,122	2			0	2	115	16,238	3	0	3	124	16,340	3	0	3	125	9,243	2	0	2	71	
	TFTM	14,896	2			0	3	114	15,996	2	0	3	122	16,096	2	0	3	123	9,103	2	0	2	69	
	TSVS	15,736	3			0	1	120	16,898	4	0	1	129	17,004	4	0	1	130	9,661	3	0	1	74	
	T5S	15,852	3			0	1	121	17,022	4	0	1	130	17,129	4	0	1	131	9,544	3	0	1	73	
	T5M	15,880	4			0	2	121	17,052	4	0	2	130	17,159	4	0	2	131	9,665	3	0	2	74	
	TSW	15,647	4			0	2	119	16,802	4	0	2	128	16,907	4	0	2	129	9,395	4	0	2	72	
	BLC	11,728	1			0	2	90	12,594	1	0	2	96	12,672	3	0	3	97						
	LCCO	11,394	2			0	3	87	12,235	2	0	3	93	12,311	2	0	3	94						
	RCCO	11,394	2			0	3	87	12,235	2	0	3	93	12,311	2	0	3	94						
		1000 mA	209 W			T1S	20,095	3	0	3	96	21,579	3	0	3	103	21,714	3	0	3	104			
	T2S			20,720	3	0	3	99	22,249	3	0	3	106	22,388	3	0	3	107						
	T2M			20,245	3	0	3	97	21,740	3	0	3	104	21,876	3	0	3	105						
	T3S			20,220	3	0	3	97	21,713	3	0	3	104	21,849	3	0	3	105						
	T3M			20,404	3	0	3	98	21,910	3	0	4	105	22,047	3	0	4	105						
	T4M			20,681	3	0	3	99	22,207	3	0	4	106	22,346	3	0	4	107						
	TFTM			20,372	3	0	3	97	21,876	3	0	4	105	22,013	3	0	4	105						
	TSVS			21,521	4	0	1	103	23,110	4	0	1	111	23,254	4	0	1	111						
	T5S			21,679	4	0	1	104	23,280	4	0	1	111	23,425	4	0	1	112						
	T5M			21,717	4	0	2	104	23,321	5	0	3	112	23,466	5	0	3	112						
	TSW			21,399	4	0	3	102	22,979	5	0	3	110	23,122	5	0	3	111						
	BLC			15,487	2	0	2	74	16,630	2	0	2	80	16,734	2	0	3	80						
	LCCO			15,046	2	0	3	72	16,157	2	0	3	77	16,258	2	0	3	78						
	RCCO			15,046	2	0	3	72	16,157	2	0	3	77	16,258	2	0	3	78						

# Performance Data

## Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

L90 and R90 Rotated Optics																							
LEDs	Drive Current (mA)	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)					AMBPC (Amber Phosphor Converted)				
				Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
60C (60 LEDs)	530 mA	99 W	T1S	11,569	2	0	2	117	12,423	2	0	2	125	12,501	2	0	2	126	7,167	2	0	2	72
			T2S	11,928	2	0	2	120	12,809	3	0	3	129	12,889	3	0	3	130	7,507	2	0	2	76
			T2M	11,655	2	0	2	118	12,516	2	0	3	126	12,594	2	0	3	127	7,263	2	0	2	73
			T3S	11,641	2	0	2	118	12,500	2	0	2	126	12,579	2	0	2	127	7,424	2	0	2	75
			T3M	11,747	2	0	2	119	12,614	2	0	2	127	12,693	2	0	2	128	7,387	2	0	2	75
			T4M	11,906	2	0	2	120	12,785	2	0	2	129	12,865	2	0	2	130	7,400	2	0	2	75
			TFTM	11,728	2	0	2	118	12,594	2	0	3	127	12,673	2	0	3	128	7,288	1	0	2	74
			TSVS	12,390	3	0	1	125	13,305	3	0	1	134	13,388	3	0	1	135	7,734	3	0	1	78
			T5S	12,481	3	0	1	126	13,402	3	0	1	135	13,486	3	0	1	136	7,641	3	0	0	77
			T5M	12,503	3	0	2	126	13,426	4	0	2	136	13,510	4	0	2	136	7,737	3	0	2	78
			TSW	12,320	4	0	2	124	13,229	4	0	2	134	13,312	4	0	2	134	7,522	3	0	2	76
			BLC	9,212	1	0	2	93	9,892	1	0	2	100	9,954	1	0	2	101					
			LCCO	8,950	1	0	2	90	9,611	2	0	2	97	9,671	2	0	2	98					
			RCCO	8,950	1	0	2	90	9,611	2	0	2	97	9,671	2	0	2	98					
			T1S	14,694	2	0	2	112	15,779	3	0	3	120	15,877	3	0	3	121	8,952	2	0	2	68
			T2S	15,150	3	0	3	116	16,269	3	0	3	124	16,370	3	0	3	125	9,377	2	0	2	72
			T2M	14,803	2	0	3	113	15,896	3	0	3	121	15,995	3	0	3	122	9,072	2	0	2	69
			T3S	14,785	2	0	2	113	15,877	3	0	3	121	15,976	3	0	3	122	9,273	2	0	2	71
	T3M	14,919	2	0	2	114	16,021	3	0	3	122	16,121	3	0	3	123	9,227	2	0	2	70		
	T4M	15,122	2	0	2	115	16,238	3	0	3	124	16,340	3	0	3	125	9,243	2	0	2	71		
	TFTM	14,896	2	0	3	114	15,996	2	0	3	122	16,096	2	0	3	123	9,103	2	0	2	69		
	TSVS	15,736	3	0	1	120	16,898	4	0	1	129	17,004	4	0	1	130	9,661	3	0	1	74		
	T5S	15,852	3	0	1	121	17,022	4	0	1	130	17,129	4	0	1	131	9,544	3	0	1	73		
	T5M	15,880	4	0	2	121	17,052	4	0	2	130	17,159	4	0	2	131	9,665	3	0	2	74		
	TSW	15,647	4	0	2	119	16,802	4	0	2	128	16,907	4	0	2	129	9,395	4	0	2	72		
	BLC	11,728	1	0	2	90	12,594	1	0	2	96	12,672	3	0	3	97							
	LCCO	11,394	2	0	3	87	12,235	2	0	3	93	12,311	2	0	3	94							
	RCCO	11,394	2	0	3	87	12,235	2	0	3	93	12,311	2	0	3	94							
	T1S	20,095	3	0	3	96	21,579	3	0	3	103	21,714	3	0	3	104							
	T2S	20,720	3	0	3	99	22,249	3	0	3	106	22,388	3	0	3	107							
	T2M	20,245	3	0	3	97	21,740	3	0	3	104	21,876	3	0	3	105							
	T3S	20,220	3	0	3	97	21,713	3	0	3	104	21,849	3	0	3	105							
	T3M	20,404	3	0	3	98	21,910	3	0	4	105	22,047	3	0	4	105							
	T4M	20,681	3	0	3	99	22,207	3	0	4	106	22,346	3	0	4	107							
	TFTM	20,372	3	0	3	97	21,876	3	0	4	105	22,013	3	0	4	105							
	TSVS	21,521	4	0	1	103	23,110	4	0	1	111	23,254	4	0	1	111							
	T5S	21,679	4	0	1	104	23,280	4	0	1	111	23,425	4	0	1	112							
	T5M	21,717	4	0	2	104	23,321	5	0	3	112	23,466	5	0	3	112							
	TSW	21,399	4	0	3	102	22,979	5	0	3	110	23,122	5	0	3	111							
	BLC	15,487	2	0	2	74	16,630	2	0	2	80	16,734	2	0	3	80							
	LCCO	15,046	2	0	3	72	16,157	2	0	3	77	16,258	2	0	3	78							
	RCCO	15,046	2	0	3	72	16,157	2	0	3	77	16,258	2	0	3	78							

## FEATURES & SPECIFICATIONS

### INTENDED USE

The sleek design of the D-Series Size 1 reflects the embedded high performance LED technology. It is ideal for many commercial and municipal applications, such as parking lots, plazas, campuses, and streetscapes.

### CONSTRUCTION

Single-piece die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. Modular design allows for ease of maintenance and future light engine upgrades. The LED drivers are mounted in direct contact with the casting to promote low operating temperature and long life. Housing is completely sealed against moisture and environmental contaminants (IP65). Low EPA (1.01 ft²) for optimized pole wind loading.

### FINISH

Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Available in both textured and non-textured finishes.

### OPTICS

Precision-molded proprietary acrylic lenses are engineered for superior area lighting distribution, uniformity, and pole spacing. Light engines are available in standard 3000 K, 4000 K and 5000 K (70 CRI) or optional 3000 K (70 minimum CRI) or 5000 K (70 CRI) configurations. The D-Series Size 1 has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

### ELECTRICAL

Light engine configurations consist of 30, 40 or 60 high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L99/100,000 hours at

25°C). Class 1 electronic drivers are designed to have a power factor >90%, THD <20%, and an expected life of 100,000 hours with <1% failure rate. Easily serviceable 10kV or 6kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

### INSTALLATION

Included mounting block and integral arm facilitate quick and easy installation. Stainless steel bolts fasten the mounting block securely to poles and walls, enabling the D-Series Size 1 to withstand up to a 3.0 G vibration load rating per ANSI C136.31. The D-Series Size 1 utilizes the AERIS™ series pole drilling pattern (template #8). Optional terminal block, tool-less entry, and NEMA photocontrol receptacle are also available.

### LISTINGS

UL Listed for wet locations. Light engines are IP66 rated; luminaire is IP65 rated. Rated for -40°C minimum ambient. U.S. Patent No. D672,492 S. International patent pending.

DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at [www.designlights.org](http://www.designlights.org) to confirm which versions are qualified.

### WARRANTY

5-year limited warranty. Complete warranty terms located at [www.acuitybrands.com/CustomerResources/Terms\\_and\\_conditions.aspx](http://www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx)

**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.





## FEATURES & SPECIFICATIONS

**INTENDED USE** — Square straight steel pole for up to 39-foot mounting height.

**CONSTRUCTION** — Weldable-grade, hot-rolled, commercial-quality carbon steel tubing with a minimum yield of 55,000 psi (11-gauge), or 50,000 psi (7-gauge). Uniform wall thickness of .1196" or .1793". Shaft is one-piece with a full-length longitudinal high-frequency electric resistance weld. Uniformly square in cross-section with flat sides, small corner radii and excellent torsional qualities. Available shaft widths are 4, 5 and 6 inches.

Anchor base is fabricated from hot-rolled carbon steel plate conforming to ASTM A36, that meets or exceeds a minimum-yield strength of 36,000 psi. Base plate and shaft are circumferentially welded top and bottom. Base cover is finished to match pole.

A handhole having nominal dimensions of 3" x 5" for all shafts. Included is a cover with attachment screws.

Top cap provided with all drill-mount and open top "PT" poles.

Fasteners are high-strength galvanized, zinc-plated or stainless steel.

Finish: Must specify finish.

Grounding: Provision located immediately inside handhole rim. Grounding hardware is not included (provided by others).

Anchor bolts: Top portion of anchor bolt is galvanized per ASTM A-153. Made of steel rod having a minimum yield strength of 55,000 psi.

Note: Specifications subject to change without notice.

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

Catalog Number
Notes
Type



**Anchor Base Poles**

# SSS

**SQUARE STRAIGHT STEEL**

**Example: SSS 20 5C DM19 DDB**

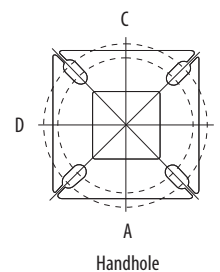
ORDERING INFORMATION		Lead times will vary depending on options selected. Consult with your sales representative.			Example: SSS 20 5C DM19 DDB		
Series	Nominal fixture mounting height	Nominal shaft base size/wall thickness	Mounting <sup>1</sup>		Options	Finish <sup>10</sup>	
SSS	10 – 39 feet (See back page.)	(See back page.)	<b>Tenon mounting</b> PT Open top (includes top cap) T20 2-3/8" O.D. (2" NPS) T25 2-7/8" O.D. (2-1/2" NPS) T30 3-1/2" O.D. (3" NPS) T35 4" O.D. (3-1/2" NPS) <b>Drill mounting<sup>2</sup></b> DM19 1 at 90° DM28 2 at 180° DM28 PL 2 at 180° with one side plugged DM29 2 at 90° DM39 3 at 90° DM49 4 at 90° <b>CSX/DSX/AERIS™/OMERO™ Drill mounting<sup>2</sup></b> DM19AS 1 at 90° DM28AS 2 at 180° DM29AS 2 at 90° DM39AS 3 at 90° DM49AS 4 at 90°		<b>AERIS™ Suspend drill mounting<sup>2,3</sup></b> DM19AST_ 1 at 90° DM28AST_ 2 at 180° DM29AST_ 2 at 90° DM39AST_ 3 at 90° DM49AST_ 4 at 90° <b>OMERO™ Suspend drill mounting<sup>2,3</sup></b> DM19MRT_ 1 at 90° DM28MRT_ 2 at 180° DM29MRT_ 2 at 90° DM39MRT_ 3 at 90° DM49MRT_ 4 at 90°	<b>Shipped installed</b> L/AB Less anchor bolts VD Vibration damper TP Tamper proof H1-18Sxx Horizontal arm bracket (1 fixture) <sup>4,5</sup> FDLxx Festoon outlet less electrical <sup>4</sup> CPL12xx 1/2" coupling <sup>4</sup> CPL34xx 3/4" coupling <sup>4</sup> CPL1xx 1" coupling <sup>4</sup> NPL12xx 1/2" threaded nipple <sup>4</sup> NPL34xx 3/4" threaded nipple <sup>4</sup> NPL1xx 1" threaded nipple <sup>4</sup> EHHxx Extra handhole <sup>4,6</sup> MAEX Match existing <sup>7</sup> USPOM United States point of manufacture <sup>8</sup> IC Interior coating <sup>9</sup>	<b>Standard colors</b> DDB Dark bronze DWH White DBL Black DMB Medium bronze DNA Natural aluminum <b>Classic colors</b> DSS Sandstone DGC Charcoal gray DTG Tennis green DBR Bright red DSB Steel blue <b>Architectural colors (powder finish)<sup>10</sup></b>

**NOTES:**

- PT open top poles include top cap. When ordering tenon mounting and drill mounting for the same pole, follow this example: DM28/T20. The combination includes a required extra handhole.
- The drilling template to be used for a particular luminaire depends on the luminaire that is used. Refer to the Technical Data Section of the Outdoor Binder for Drilling Templates.
- Insert "1" or "2" to designate fixture size; e.g. DM19AST2.
- Specify location and orientation when ordering option.  
 For 1st "x": Specify the height in feet above base of pole.  
 Example: 5ft = 5 and 20ft = 20  
 For 2nd "x": Specify orientation from handhole (A,B,C,D)  
 Refer to the Handhole Orientation diagram above.

- Horizontal arm is 18" x 2-3/8" O.D. tenon standard.
- Combination of tenon-top and drill mount includes extra handhole.
- Must add original order number
- Use when mill certifications are required.
- Provides enhanced corrosion resistance.
- Additional colors available; see [www.lithonia.com/archcolors](http://www.lithonia.com/archcolors) or Architectural Colors brochure (Form No. 794.3). Powder finish standard.

**HANDHOLE ORIENTATION**



**IMPORTANT INSTALLATION NOTES:**

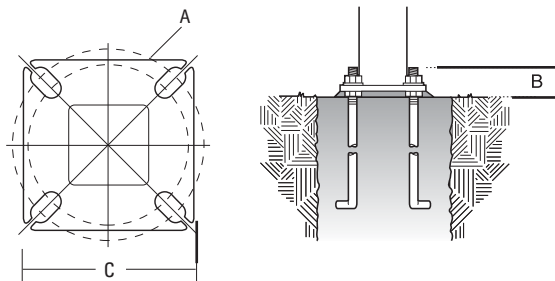
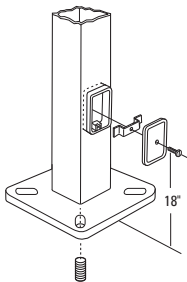
- Do not erect poles without having fixtures installed.
- Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates.
- If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage.
- Lithonia Lighting is not responsible for the foundation design.

# SSS Square Straight Steel Poles

## TECHNICAL INFORMATION

Catalog Number	Nominal mount ht. (ft)	Pole Shaft Size (in x ft)	Wall Thickness (in)	Gauge	EPA (ft <sup>2</sup> ) with 1.3 gust						Bolt Circle (in)	Bolt Size (in x in x in)	Approximate ship (lbs)
					80 mph	Max. weight	90 mph	Max. weight	100 mph	Max. weight			
SSS 10 4C	10	4.0 x 10.0	0.1196	11	30.6	765	23.8	595	18.9	473	8--9	3/4 x 18 x 3	75
SSS 12 4C	12	4.0 x 12.0	0.1196	11	24.4	610	18.8	470	14.8	370	8--9	3/4 x 18 x 3	90
SSS 14 4C	14	4.0 x 14.0	0.1196	11	19.9	498	15.1	378	11.7	293	8--9	3/4 x 18 x 3	100
SSS 16 4C	16	4.0 x 16.0	0.1196	11	15.9	398	11.8	295	8.9	223	8--9	3/4 x 18 x 3	115
SSS 18 4C	18	4.0 x 18.0	0.1196	11	12.6	315	9.2	230	6.7	168	8--9	3/4 x 18 x 3	125
SSS 20 4C	20	4.0 x 20.0	0.1196	11	9.6	240	6.7	167	4.5	150	8--9	3/4 x 18 x 3	140
SSS 20 4G	20	4.0 x 20.0	0.1793	7	14	350	11	275	8	200	8--9	3/4 x 30 x 3	198
SSS 20 5C	20	5.0 x 20.0	0.1196	11	17.7	443	12.7	343	9.4	235	10--12	1 x 36 x 4	185
SSS 20 5G	20	5.0 x 20.0	0.1793	7	28.1	703	21.4	535	16.2	405	10--12	1 x 36 x 4	265
SSS 25 4C	25	4.0 x 25.0	0.1196	11	4.8	150	2.6	100	1	50	8--9	3/4 x 18 x 3	170
SSS 25 4G	25	4.0 x 25.0	0.1793	7	10.8	270	7.7	188	5.4	135	8--9	3/4 x 30 x 3	245
SSS 25 5C	25	5.0 x 25.0	0.1196	11	9.8	245	6.3	157	3.7	150	10--12	1 x 36 x 4	225
SSS 25 5G	25	5.0 x 25.0	0.1793	7	18.5	463	13.3	333	9.5	238	10--12	1 x 36 x 4	360
SSS 30 4G	30	4.0 x 30.0	0.1793	7	6.7	168	4.4	110	2.6	65	8--9	3/4 x 30 x 3	295
SSS 30 5C	30	5.0 x 30.0	0.1196	11	4.7	150	2	50	--	--	10--12	1 x 36 x 4	265
SSS 30 5G	30	5.0 x 30.0	0.1793	7	10.7	267	6.7	167	3.9	100	10--12	1 x 36 x 4	380
SSS 30 6G	30	6.0 x 30.0	0.1793	7	19	475	13.2	330	9	225	11--13	1 x 36 x 4	520
SSS 35 5G	35	5.0 x 35.0	0.1793	7	5.9	150	2.5	100	--	--	10--12	1 x 36 x 4	440
SSS 35 6G	35	6.0 x 35.0	0.1793	7	12.4	310	7.6	190	4.2	105	11--13	1 x 36 x 4	540
SSS 39 6G	39	6.0 x 39.0	0.1793	7	7.2	180	3	75	--	--	11--13	1 x 36 x 4	605

## BASE DETAIL



## POLE DATA

Shaft base size	Bolt circle A	Bolt projection B	Base square C	Template description	Anchor bolt description	Anchor bolt and template number
4"C	8-1/2"	2-3/4"-4"	8"	ABTEMPLATE PJ50004	AB18-0	ABSSS-4C
4"G	8-1/2"	2-3/4"-4"	8"	ABTEMPLATE PJ50004	AB30-0	ABSSS-4G
5"	10"-12"	3-3/8"-4"	11"	ABTEMPLATE PJ50010	AB36-0	ABSSS-5
6"	11"-13"	3-3/8"-4"	12-1/2"	ABTEMPLATE PJ50011	AB36-0	N/A

### IMPORTANT:

• These specifications are intended for general purposes only. Lithonia reserves the right to change material or design, without prior notice, in a continuing effort to upgrade its products.



# D-Series Size 1 LED Area Luminaire

d#series



**TYPE: Z5T**

Catalog Number

Notes

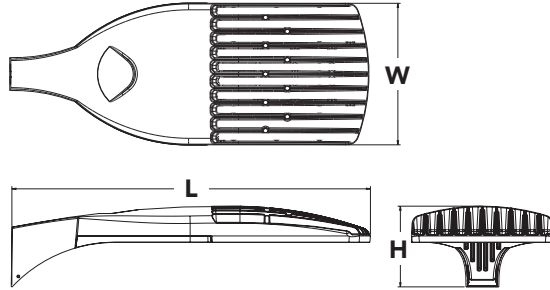
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Hit the Tab key or mouse over the page to see all interactive elements.

## Introduction

The modern styling of the D-Series is striking yet unobtrusive - making a bold, progressive statement even as it blends seamlessly with its environment.

The D-Series distills the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire. The outstanding photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. It is ideal for replacing up to 750W metal halide in pedestrian and area lighting applications with typical energy savings of 65% and expected service life of over 100,000 hours.



## Specifications

<b>EPA:</b>	1.01 ft <sup>2</sup> (0.09 m <sup>2</sup> )
<b>Length:</b>	33" (83.8 cm)
<b>Width:</b>	13" (33.0 cm)
<b>Height:</b>	7-1/2" (19.0 cm)
<b>Weight (max):</b>	27 lbs (12.2 kg)

## Ordering Information

**EXAMPLE: DSX1 LED 60C 1000 40K T3M MVOLT SPA DDBXD**

Series	LEDs	Drive current	Color temperature	Distribution	Voltage	Mounting
<b>DSX1 LED</b>	<b>Forward optics</b> 30C 30 LEDs (one engine) 40C 40 LEDs (two engines) <b>60C 60 LEDs (two engines)</b> <b>Rotated optics<sup>1</sup></b> 60C 60 LEDs (two engines)	530 530 mA <b>700 700 mA</b> 1000 1000 mA (1 A) <sup>2</sup>	30K 3000 K <b>40K 4000 K</b> 50K 5000 K AMBPC Amber phosphor converted <sup>3</sup>	T1S Type I short T2S Type II short T2M Type II medium T3S Type III short T3M Type III medium T4M Type IV medium TFTM Forward throw medium T5VS Type V very short T5S Type V short <b>T5M Type V medium</b> T5W Type V wide BLC Backlight control <sup>2,4</sup> LCCO Left corner cutoff <sup>2,4</sup> RCCO Right corner cutoff <sup>2,4</sup>	MVOLT <sup>5</sup> 120 <sup>5</sup> 208 <sup>5</sup> 240 <sup>5</sup> 277 <sup>5</sup> 347 <sup>6</sup> <b>480<sup>6</sup></b>	<b>Shipped included</b> <b>SPA</b> Square pole mounting RPA Round pole mounting WBA Wall bracket SPUMBA Square pole universal mounting adaptor <sup>7</sup> RPUMBA Round pole universal mounting adaptor <sup>7</sup> <b>Shipped separately</b> KMA8 DDBXD U Mast arm mounting bracket adaptor (specify finish) <sup>8</sup>

Control options	Other options	Finish (required)
<b>Shipped installed</b> PER NEMA twist-lock receptacle only (no controls) <sup>9</sup> PER5 Five-wire receptacle only (no controls) <sup>9,10</sup> PER7 Seven-wire receptacle only (no controls) <sup>9,10</sup> DMG 0-10V dimming driver (no controls) <sup>11</sup> DCR Dimmable and controllable via ROAM <sup>®</sup> (no controls) <sup>12</sup> DS Dual switching <sup>13,14</sup> PIR Bi-level, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 5fc <sup>15</sup> <b>PIRH Bi-level, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 5fc<sup>15</sup></b> PIR1FC3V Bi-level, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc <sup>15</sup>	PIRH1FC3V Bi-level, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc <sup>15</sup> BL30 Bi-level switched dimming, 30% <sup>14,16</sup> BL50 Bi-level switched dimming, 50% <sup>14,16</sup> PNMTDD3 Part night, dim till dawn <sup>17</sup> PNMT5D3 Part night, dim 5 hrs <sup>17</sup> PNMT6D3 Part night, dim 6 hrs <sup>17</sup> PNMT7D3 Part night, dim 7 hrs <sup>17</sup> FAO Field adjustable output <sup>18</sup> <b>Shipped installed</b> HS House-side shield <sup>19</sup> WTB Utility terminal block <sup>20</sup> SF Single fuse (120, 277, 347V) <sup>21</sup> <b>DF Double fuse (208, 240, 480V)<sup>21</sup></b> L90 Left rotated optics <sup>22</sup> R90 Right rotated optics <sup>22</sup> BS Bird spikes	DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White DDBTXD Textured dark bronze <b>DBLBXD Textured black</b> <b>DNATXD Textured natural aluminum</b> DWHGXD Textured white

Accessories	
Ordered and shipped separately.	
DL127F 1.5 JU Photocell - SSL twist-lock (120-277V) <sup>23</sup>	
DL1347F 1.5 CUL JU Photocell - SSL twist-lock (347V) <sup>23</sup>	
DL1480F 1.5 CUL JU Photocell - SSL twist-lock (480V) <sup>23</sup>	
DSHORT SBK U Shorting cap <sup>23</sup>	
DSX1HS 30C U House-side shield for 30 LED unit <sup>19</sup>	
DSX1HS 40C U House-side shield for 40 LED unit <sup>19</sup>	
DSX1HS 60C U House-side shield for 60 LED unit <sup>19</sup>	
PUMBA DDBXD U* Square and round pole universal mounting bracket (specify finish) <sup>24</sup>	
KMA8 DDBXD U Mast arm mounting bracket adaptor (specify finish) <sup>8</sup>	

**NOTES**

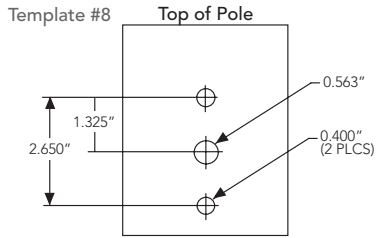
- Rotated optics available with 60C only.
- Not available AMBPC.
- Only available with 530mA or 700mA.
- Not available with HS.
- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz). Specify 120V, 208V, 240V or 277V options only when ordering with fusing (SF, DF options).
- Not available with single board, 530mA product (30C 530 or 60C 530 DS). Not available with BL30, BL50 or PNMT options.
- Existing drilled pole only. Available as a separate combination accessory; for retrofit use only: PUMBA (finish) U; 1.5 G vibration load rating per ANCI C136.31.
- Must order fixture with SPA option. Must be ordered as a separate accessory; see Accessories information. For use with 2-3/8" mast arm (not included).
- Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Not available with DS option.
- If ROAM<sup>®</sup> node required, it must be ordered and shipped as a separate line item from Acuity Brands Controls. Not available with DCR. Node with integral dimming.
- DMG option for 347V or 480V requires 1000mA.
- Specifies a ROAM<sup>®</sup> enabled luminaire with 0-10V dimming capability; PER option required. Additional hardware and services required for ROAM<sup>®</sup> deployment; must be purchased separately. Call 1-800-442-6745 or email: sales@roamservices.net. N/A with PIR options, DS, PER5, PER7, BL30, BL50 or PNMT options. Node without integral dimming.

- Requires 40C or 60C. Provides 50/50 luminaire operation via two independent drivers on two separate circuits. N/A with PER, DCR, WTB, PIR or PIRH.
- Requires an additional switched circuit.
- PIR and PIR1FC3V specify the SensorSwitch SBGR-10-ODP control; PIRH and PIRH1FC3V specify the SensorSwitch SBGR-6-ODP control; see Outdoor Control Technical Guide for details. Dimming driver standard. Not available with PER5 or PER7. Ambient sensor disabled when ordered with DCR. Separate on/off required.
- Dimming driver standard. MVOLT only. Not available with 347V, 480V, DCR, DS, PER5, PER7 or PNMT options. Not available with PIR1FC3V or PIRH1FC3V.
- Dimming driver standard. MVOLT only. Not available with 347V, 480V, DCR, DS, PER5, PER7, BL30 or BL50. Not available with PIR1FC3V or PIRH1FC3V. Separate on/off required.
- Dimming driver standard. Not available with PER5, PER7, DMG, DCR, DS, BL30, BL50 or PNMT, PIR, PIRH, PIR1FC3V or PIRH1FC3V.
- Not available with BLC, LCCO and RCCO distribution. Also available as a separate accessory; see Accessories information.
- WTB not available with DS.
- Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
- Available with 60 LEDs (60C option) only.
- Requires luminaire to be specified with PER option. Ordered and shipped as a separate line item from Acuity Brands Controls.
- For retrofit use only.

For more control options, visit DTL and ROAM online.



## Drilling



DSX1 shares a unique drilling pattern with the AERIS™ family. Specify this drilling pattern when specifying poles, per the table below.

<b>DM19AS</b>	Single unit	<b>DM29AS</b>	2 at 90°**
<b>DM28AS</b>	2 at 180°	<b>DM39AS</b>	3 at 90°**
<b>DM49AS</b>	4 at 90°**	<b>DM32AS</b>	3 at 120°**

**Example:** SSA 20 4C DM19AS DDBXD

Visit Lithonia Lighting's [POLES CENTRAL](#) to see our wide selection of poles, accessories and educational tools.

\*Round pole top must be 3.25" O.D. minimum.

\*\*Far round pole mounting (RPA) only.

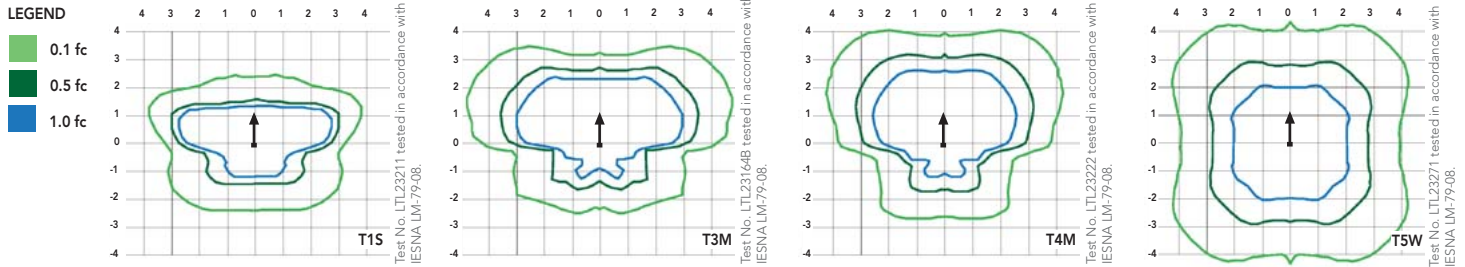
## Tenon Mounting Slipfitter\*\*

Tenon O.D.	Single Unit	2 at 180°	2 at 90°	3 at 120°	3 at 90°	4 at 90°
2-3/8"	AST20-190	AST20-280	AST20-290	AST20-320	AST20-390	AST20-490
2-7/8"	AST25-190	AST25-280	AST25-290	AST25-320	AST25-390	AST25-490
4"	AST35-190	AST35-280	AST35-290	AST35-320	AST35-390	AST35-490

## Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's [D-Series Area Size 1 homepage](#).

Isofootcandle plots for the DSX1 LED 60C 1000 40K. Distances are in units of mounting height (20').



## Performance Data

### Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient		Lumen Multiplier
0°C	32°F	1.02
10°C	50°F	1.01
20°C	68°F	1.00
<b>25°C</b>	<b>77°F</b>	<b>1.00</b>
30°C	86°F	1.00
40°C	104°F	0.99

### Electrical Load

Number of LEDs	Drive Current (mA)	System Watts	Current (A)					
			120	208	240	277	347	480
30	530	52	0.52	0.30	0.26	0.23	--	--
	700	68	0.68	0.39	0.34	0.30	0.24	0.17
	1000	105	1.03	0.59	0.51	0.45	0.36	0.26
40	530	68	0.67	0.39	0.34	0.29	0.23	0.17
	700	89	0.89	0.51	0.44	0.38	0.31	0.22
	1000	138	1.35	0.78	0.67	0.58	0.47	0.34
60	530	99	0.97	0.56	0.48	0.42	0.34	0.24
	700	131	1.29	0.74	0.65	0.56	0.45	0.32
	1000	209	1.98	1.14	0.99	0.86	0.69	0.50

### Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a 25°C ambient, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	DSX1 LED 60C 1000			
	1.0	0.98	0.96	0.91
	DSX1 LED 60C 700			
	1.0	0.99	0.99	0.99

# Performance Data

## Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Forward Optics																							
LEDs	Drive Current (mA)	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)					AMBPC (Amber Phosphor Converted)				
				Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
30C (30 LEDs)	530 mA	52 W	T1S	5,948	1	0	1	114	6,387	1	0	1	123	6,427	1	0	1	124	3,640	1	0	1	70
			T2S	6,132	1	0	1	118	6,585	2	0	2	127	6,626	2	0	2	127	3,813	1	0	1	73
			T2M	5,992	1	0	2	115	6,434	1	0	2	124	6,475	1	0	2	125	3,689	1	0	1	71
			T3S	5,985	1	0	1	115	6,427	1	0	2	124	6,467	1	0	2	124	3,770	1	0	1	73
			T3M	6,039	1	0	2	116	6,485	1	0	2	125	6,525	1	0	2	125	3,752	1	0	1	72
			T4M	6,121	1	0	2	118	6,573	1	0	2	126	6,614	1	0	2	127	3,758	1	0	1	72
			TFTM	6,030	1	0	2	116	6,475	1	0	2	125	6,515	1	0	2	125	3,701	1	0	1	71
			TSVS	6,370	2	0	0	123	6,840	2	0	0	132	6,883	2	0	0	132	3,928	2	0	0	76
			T5S	6,417	2	0	0	123	6,890	2	0	0	133	6,933	2	0	0	133	3,881	2	0	0	75
			T5M	6,428	3	0	1	124	6,902	3	0	1	133	6,945	3	0	1	134	3,930	2	0	1	76
			T5W	6,334	3	0	1	122	6,801	3	0	1	131	6,844	3	0	1	132	3,820	3	0	1	73
			BLC	4,735	1	0	1	91	5,085	1	0	2	98	5,116	1	0	1	98					
			LCCO	4,600	1	0	2	88	4,940	1	0	2	95	4,971	1	0	2	96					
			RCCO	4,600	1	0	2	88	4,940	1	0	2	95	4,971	1	0	2	96					
			T1S	7,554	1	0	1	111	8,112	2	0	2	119	8,163	2	0	2	120	4,561	1	0	1	67
			T2S	7,789	2	0	2	115	8,364	2	0	2	123	8,416	2	0	2	124	4,777	1	0	1	70
			T2M	7,610	1	0	2	112	8,172	2	0	2	120	8,223	2	0	2	121	4,622	1	0	2	68
			T3S	7,601	1	0	2	112	8,162	2	0	2	120	8,213	2	0	2	121	4,724	1	0	1	69
	T3M	7,670	1	0	2	113	8,236	2	0	2	121	8,288	2	0	2	122	4,701	1	0	2	69		
	T4M	7,774	1	0	2	114	8,348	2	0	2	123	8,400	2	0	2	124	4,709	1	0	2	69		
	TFTM	7,658	1	0	2	113	8,223	1	0	2	121	8,275	1	0	2	122	4,638	1	0	2	68		
	TSVS	8,090	2	0	0	119	8,687	3	0	1	128	8,742	3	0	1	129	4,922	2	0	0	72		
	T5S	8,150	2	0	0	120	8,751	3	0	0	129	8,806	3	0	0	130	4,863	2	0	0	72		
	T5M	8,164	3	0	1	120	8,767	3	0	2	129	8,821	3	0	2	130	4,924	3	0	1	72		
	T5W	8,044	3	0	1	118	8,638	3	0	2	127	8,692	3	0	2	128	4,787	3	0	1	70		
	BLC	6,028	1	0	2	89	6,473	1	0	2	95	6,514	1	0	2	96							
	LCCO	5,856	1	0	2	86	6,289	1	0	2	92	6,328	1	0	2	93							
	RCCO	5,856	1	0	2	86	6,289	1	0	2	92	6,328	1	0	2	93							
	T1S	10,331	2	0	2	98	11,094	2	0	2	106	11,163	2	0	2	106							
	T2S	10,652	2	0	2	101	11,438	2	0	2	109	11,510	2	0	2	110							
	T2M	10,408	2	0	2	99	11,176	2	0	3	106	11,246	2	0	3	107							
	T3S	10,395	2	0	2	99	11,163	2	0	2	106	11,233	2	0	2	107							
	T3M	10,490	2	0	2	100	11,264	2	0	2	107	11,335	2	0	2	108							
	T4M	10,632	2	0	2	101	11,417	2	0	2	109	11,488	2	0	2	109							
	TFTM	10,473	2	0	2	100	11,247	2	0	3	107	11,317	2	0	3	108							
	TSVS	11,064	3	0	1	105	11,881	3	0	1	113	11,955	3	0	1	114							
	T5S	11,145	3	0	1	106	11,968	3	0	1	114	12,043	3	0	1	115							
	T5M	11,165	3	0	2	106	11,989	4	0	2	114	12,064	4	0	2	115							
	T5W	11,001	3	0	2	105	11,813	4	0	2	113	11,887	4	0	2	113							
	BLC	7,960	1	0	2	76	8,548	1	0	2	81	8,601	1	0	2	82							
	LCCO	7,734	1	0	2	74	8,305	1	0	2	79	8,357	1	0	2	80							
	RCCO	7,734	1	0	2	74	8,305	1	0	2	79	8,357	1	0	2	80							

# Performance Data

## Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Forward Optics																							
LEDs	Drive Current (mA)	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)					AMBPC (Amber Phosphor Converted)				
				Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
40C (40 LEDs)	530 mA	68 W	T1S	7,861	1	0	1	116	8,441	2	0	2	124	8,494	2	0	2	125	4,794	1	0	1	71
			T2S	8,105	2	0	2	119	8,704	2	0	2	128	8,758	2	0	2	129	5,021	1	0	1	74
			T2M	7,920	2	0	2	116	8,504	2	0	2	125	8,557	2	0	2	126	4,858	1	0	2	71
			T3S	7,910	1	0	2	116	8,494	2	0	2	125	8,547	2	0	2	126	4,966	1	0	1	73
			T3M	7,982	2	0	2	117	8,571	2	0	2	126	8,625	2	0	2	127	4,941	1	0	2	73
			T4M	8,090	1	0	2	119	8,687	2	0	2	128	8,741	2	0	2	129	4,950	1	0	2	73
			TFTM	7,969	1	0	2	117	8,558	2	0	2	126	8,611	2	0	2	127	4,875	1	0	2	72
			TSVS	8,419	2	0	0	124	9,040	3	0	1	133	9,097	3	0	1	134	5,174	2	0	0	76
			T5S	8,481	2	0	0	125	9,107	3	0	1	134	9,164	3	0	1	135	5,111	2	0	0	75
			T5M	8,496	3	0	1	125	9,123	3	0	2	134	9,180	3	0	2	135	5,175	3	0	1	76
			TSW	8,371	3	0	2	123	8,989	3	0	2	132	9,045	3	0	2	133	5,031	3	0	1	74
			BLC	6,255	1	0	2	92	6,717	1	0	2	99	6,759	1	0	2	99					
			LCCO	6,077	1	0	2	89	6,526	1	0	2	96	6,566	1	0	2	97					
			RCCO	6,077	1	0	2	89	6,526	1	0	2	96	6,566	1	0	2	97					
			T1S	9,984	2	0	2	112	10,721	2	0	2	120	10,788	2	0	2	121	6,014	1	0	1	68
			T2S	10,294	2	0	2	116	11,054	2	0	2	124	11,123	2	0	2	125	6,299	2	0	2	71
			T2M	10,059	2	0	2	113	10,801	2	0	3	121	10,869	2	0	3	122	6,094	2	0	2	68
			T3S	10,046	2	0	2	113	10,788	2	0	2	121	10,855	2	0	2	122	6,229	1	0	2	70
	T3M	10,137	2	0	2	114	10,886	2	0	2	122	10,954	2	0	2	123	6,198	2	0	2	70		
	T4M	10,275	2	0	2	115	11,033	2	0	2	124	11,102	2	0	2	125	6,209	1	0	2	70		
	TFTM	10,122	2	0	2	114	10,869	2	0	2	122	10,937	2	0	2	123	6,115	1	0	2	69		
	TSVS	10,693	3	0	1	120	11,482	3	0	1	129	11,554	3	0	1	130	6,490	2	0	0	73		
	T5S	10,771	3	0	1	121	11,566	3	0	1	130	11,639	3	0	1	131	6,411	2	0	0	72		
	T5M	10,790	3	0	2	121	11,587	4	0	2	130	11,659	4	0	2	131	6,492	3	0	1	73		
	TSW	10,632	3	0	2	119	11,417	4	0	2	128	11,488	4	0	2	129	6,311	3	0	2	71		
	BLC	7,963	1	0	2	89	8,551	1	0	2	96	8,605	1	0	2	97							
	LCCO	7,736	1	0	2	87	8,308	1	0	2	93	8,359	1	0	2	94							
	RCCO	7,736	1	0	2	87	8,308	1	0	2	93	8,359	1	0	2	94							
	T1S	13,655	2	0	2	99	14,663	3	0	3	106	14,754	3	0	3	107							
	T2S	14,079	2	0	2	102	15,118	3	0	3	110	15,212	3	0	3	110							
	T2M	13,756	2	0	3	100	14,772	3	0	3	107	14,864	3	0	3	108							
	T3S	13,739	2	0	2	100	14,754	2	0	2	107	14,846	3	0	3	108							
	T3M	13,864	2	0	2	100	14,888	3	0	3	108	14,981	3	0	3	109							
	T4M	14,052	2	0	2	102	15,090	3	0	3	109	15,184	3	0	3	110							
	TFTM	13,842	2	0	3	100	14,864	2	0	3	108	14,957	2	0	3	108							
	TSVS	14,623	3	0	1	106	15,703	4	0	1	114	15,801	4	0	1	115							
	T5S	14,731	3	0	1	107	15,818	3	0	1	115	15,917	3	0	1	115							
	T5M	14,757	4	0	2	107	15,846	4	0	2	115	15,945	4	0	2	116							
	TSW	14,540	4	0	2	105	15,614	4	0	2	113	15,711	4	0	2	114							
	BLC	10,516	1	0	2	76	11,292	1	0	2	82	11,363	1	0	2	82							
	LCCO	10,216	2	0	3	74	10,971	2	0	3	80	11,039	2	0	3	80							
	RCCO	10,216	2	0	3	74	10,971	2	0	3	80	11,039	2	0	3	80							

# Performance Data

## Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

### Forward Optics

LEDs	Drive Current (mA)	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)					AMBPC (Amber Phosphor Converted)					
				Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	
60C (60 LEDs)	530 mA	99 W	T1S	11,569	2	0	2	117	12,423	2	0	2	125	12,501	2	0	2	126	7,167	2	0	2	72	
			T2S	11,928	2	0	2	120	12,809	3	0	3	129	12,889	3	0	3	130	7,507	2	0	2	76	
			T2M	11,655	2	0	2	118	12,516	2	0	3	126	12,594	2	0	3	127	7,263	2	0	2	73	
			T3S	11,641	2	0	2	118	12,500	2	0	2	126	12,579	2	0	2	127	7,424	2	0	2	75	
			T3M	11,747	2	0	2	119	12,614	2	0	2	127	12,693	2	0	2	128	7,387	2	0	2	75	
			T4M	11,906	2	0	2	120	12,785	2	0	2	129	12,865	2	0	2	130	7,400	2	0	2	75	
			TFTM	11,728	2	0	2	118	12,594	2	0	3	127	12,673	2	0	3	128	7,288	1	0	2	74	
			TSVS	12,390	3	0	1	125	13,305	3	0	1	134	13,388	3	0	1	135	7,734	3	0	1	78	
			T5S	12,481	3	0	1	126	13,402	3	0	1	135	13,486	3	0	1	136	7,641	3	0	0	77	
			T5M	12,503	3	0	2	126	13,426	4	0	2	136	13,510	4	0	2	136	7,737	3	0	2	78	
			TSW	12,320	4	0	2	124	13,229	4	0	2	134	13,312	4	0	2	134	7,522	3	0	2	76	
			BLC	9,212	1	0	2	93	9,892	1	0	2	100	9,954	1	0	2	101						
			LCCO	8,950	1	0	2	90	9,611	2	0	2	97	9,671	2	0	2	98						
			RCCO	8,950	1	0	2	90	9,611	2	0	2	97	9,671	2	0	2	98						
				700 mA	131 W	T1S	14,694	2	0	2	112	15,779	3	0	3	120	15,877	3	0	3	121	8,952	2	0
	T2S	15,150	3			0	3	116	16,269	3	0	3	124	16,370	3	0	3	125	9,377	2	0	2	72	
	T2M	14,803	2			0	3	113	15,896	3	0	3	121	15,995	3	0	3	122	9,072	2	0	2	69	
	T3S	14,785	2			0	2	113	15,877	3	0	3	121	15,976	3	0	3	122	9,273	2	0	2	71	
	T3M	14,919	2			0	2	114	16,021	3	0	3	122	16,121	3	0	3	123	9,227	2	0	2	70	
	T4M	15,122	2			0	2	115	16,238	3	0	3	124	16,340	3	0	3	125	9,243	2	0	2	71	
	TFTM	14,896	2			0	3	114	15,996	2	0	3	122	16,096	2	0	3	123	9,103	2	0	2	69	
	TSVS	15,736	3			0	1	120	16,898	4	0	1	129	17,004	4	0	1	130	9,661	3	0	1	74	
	T5S	15,852	3			0	1	121	17,022	4	0	1	130	17,129	4	0	1	131	9,544	3	0	1	73	
	T5M	15,880	4			0	2	121	17,052	4	0	2	130	17,159	4	0	2	131	9,665	3	0	2	74	
	TSW	15,647	4			0	2	119	16,802	4	0	2	128	16,907	4	0	2	129	9,395	4	0	2	72	
	BLC	11,728	1			0	2	90	12,594	1	0	2	96	12,672	3	0	3	97						
	LCCO	11,394	2			0	3	87	12,235	2	0	3	93	12,311	2	0	3	94						
	RCCO	11,394	2			0	3	87	12,235	2	0	3	93	12,311	2	0	3	94						
		1000 mA	209 W			T1S	20,095	3	0	3	96	21,579	3	0	3	103	21,714	3	0	3	104			
	T2S			20,720	3	0	3	99	22,249	3	0	3	106	22,388	3	0	3	107						
	T2M			20,245	3	0	3	97	21,740	3	0	3	104	21,876	3	0	3	105						
	T3S			20,220	3	0	3	97	21,713	3	0	3	104	21,849	3	0	3	105						
	T3M			20,404	3	0	3	98	21,910	3	0	4	105	22,047	3	0	4	105						
	T4M			20,681	3	0	3	99	22,207	3	0	4	106	22,346	3	0	4	107						
	TFTM			20,372	3	0	3	97	21,876	3	0	4	105	22,013	3	0	4	105						
	TSVS			21,521	4	0	1	103	23,110	4	0	1	111	23,254	4	0	1	111						
	T5S			21,679	4	0	1	104	23,280	4	0	1	111	23,425	4	0	1	112						
	T5M			21,717	4	0	2	104	23,321	5	0	3	112	23,466	5	0	3	112						
	TSW			21,399	4	0	3	102	22,979	5	0	3	110	23,122	5	0	3	111						
	BLC			15,487	2	0	2	74	16,630	2	0	2	80	16,734	2	0	3	80						
	LCCO			15,046	2	0	3	72	16,157	2	0	3	77	16,258	2	0	3	78						
	RCCO			15,046	2	0	3	72	16,157	2	0	3	77	16,258	2	0	3	78						

## Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

L90 and R90 Rotated Optics																							
LEDs	Drive Current (mA)	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)					AMBPC (Amber Phosphor Converted)				
				Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
60C (60 LEDs)	530 mA	99 W	T1S	11,569	2	0	2	117	12,423	2	0	2	125	12,501	2	0	2	126	7,167	2	0	2	72
			T2S	11,928	2	0	2	120	12,809	3	0	3	129	12,889	3	0	3	130	7,507	2	0	2	76
			T2M	11,655	2	0	2	118	12,516	2	0	3	126	12,594	2	0	3	127	7,263	2	0	2	73
			T3S	11,641	2	0	2	118	12,500	2	0	2	126	12,579	2	0	2	127	7,424	2	0	2	75
			T3M	11,747	2	0	2	119	12,614	2	0	2	127	12,693	2	0	2	128	7,387	2	0	2	75
			T4M	11,906	2	0	2	120	12,785	2	0	2	129	12,865	2	0	2	130	7,400	2	0	2	75
			TFTM	11,728	2	0	2	118	12,594	2	0	3	127	12,673	2	0	3	128	7,288	1	0	2	74
			TSVS	12,390	3	0	1	125	13,305	3	0	1	134	13,388	3	0	1	135	7,734	3	0	1	78
			T5S	12,481	3	0	1	126	13,402	3	0	1	135	13,486	3	0	1	136	7,641	3	0	0	77
			T5M	12,503	3	0	2	126	13,426	4	0	2	136	13,510	4	0	2	136	7,737	3	0	2	78
			TSW	12,320	4	0	2	124	13,229	4	0	2	134	13,312	4	0	2	134	7,522	3	0	2	76
			BLC	9,212	1	0	2	93	9,892	1	0	2	100	9,954	1	0	2	101					
			LCCO	8,950	1	0	2	90	9,611	2	0	2	97	9,671	2	0	2	98					
			RCCO	8,950	1	0	2	90	9,611	2	0	2	97	9,671	2	0	2	98					
			T1S	14,694	2	0	2	112	15,779	3	0	3	120	15,877	3	0	3	121	8,952	2	0	2	68
			T2S	15,150	3	0	3	116	16,269	3	0	3	124	16,370	3	0	3	125	9,377	2	0	2	72
			T2M	14,803	2	0	3	113	15,896	3	0	3	121	15,995	3	0	3	122	9,072	2	0	2	69
			T3S	14,785	2	0	2	113	15,877	3	0	3	121	15,976	3	0	3	122	9,273	2	0	2	71
	T3M	14,919	2	0	2	114	16,021	3	0	3	122	16,121	3	0	3	123	9,227	2	0	2	70		
	T4M	15,122	2	0	2	115	16,238	3	0	3	124	16,340	3	0	3	125	9,243	2	0	2	71		
	TFTM	14,896	2	0	3	114	15,996	2	0	3	122	16,096	2	0	3	123	9,103	2	0	2	69		
	TSVS	15,736	3	0	1	120	16,898	4	0	1	129	17,004	4	0	1	130	9,661	3	0	1	74		
	T5S	15,852	3	0	1	121	17,022	4	0	1	130	17,129	4	0	1	131	9,544	3	0	1	73		
	T5M	15,880	4	0	2	121	17,052	4	0	2	130	17,159	4	0	2	131	9,665	3	0	2	74		
	TSW	15,647	4	0	2	119	16,802	4	0	2	128	16,907	4	0	2	129	9,395	4	0	2	72		
	BLC	11,728	1	0	2	90	12,594	1	0	2	96	12,672	3	0	3	97							
	LCCO	11,394	2	0	3	87	12,235	2	0	3	93	12,311	2	0	3	94							
	RCCO	11,394	2	0	3	87	12,235	2	0	3	93	12,311	2	0	3	94							
	T1S	20,095	3	0	3	96	21,579	3	0	3	103	21,714	3	0	3	104							
	T2S	20,720	3	0	3	99	22,249	3	0	3	106	22,388	3	0	3	107							
	T2M	20,245	3	0	3	97	21,740	3	0	3	104	21,876	3	0	3	105							
	T3S	20,220	3	0	3	97	21,713	3	0	3	104	21,849	3	0	3	105							
	T3M	20,404	3	0	3	98	21,910	3	0	4	105	22,047	3	0	4	105							
	T4M	20,681	3	0	3	99	22,207	3	0	4	106	22,346	3	0	4	107							
	TFTM	20,372	3	0	3	97	21,876	3	0	4	105	22,013	3	0	4	105							
	TSVS	21,521	4	0	1	103	23,110	4	0	1	111	23,254	4	0	1	111							
T5S	21,679	4	0	1	104	23,280	4	0	1	111	23,425	4	0	1	112								
T5M	21,717	4	0	2	104	23,321	5	0	3	112	23,466	5	0	3	112								
TSW	21,399	4	0	3	102	22,979	5	0	3	110	23,122	5	0	3	111								
BLC	15,487	2	0	2	74	16,630	2	0	2	80	16,734	2	0	3	80								
LCCO	15,046	2	0	3	72	16,157	2	0	3	77	16,258	2	0	3	78								
RCCO	15,046	2	0	3	72	16,157	2	0	3	77	16,258	2	0	3	78								

## FEATURES & SPECIFICATIONS

### INTENDED USE

The sleek design of the D-Series Size 1 reflects the embedded high performance LED technology. It is ideal for many commercial and municipal applications, such as parking lots, plazas, campuses, and streetscapes.

### CONSTRUCTION

Single-piece die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. Modular design allows for ease of maintenance and future light engine upgrades. The LED drivers are mounted in direct contact with the casting to promote low operating temperature and long life. Housing is completely sealed against moisture and environmental contaminants (IP65). Low EPA (1.01 ft²) for optimized pole wind loading.

### FINISH

Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Available in both textured and non-textured finishes.

### OPTICS

Precision-molded proprietary acrylic lenses are engineered for superior area lighting distribution, uniformity, and pole spacing. Light engines are available in standard 3000 K, 4000 K and 5000 K (70 CRI) or optional 3000 K (70 minimum CRI) or 5000 K (70 CRI) configurations. The D-Series Size 1 has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

### ELECTRICAL

Light engine configurations consist of 30, 40 or 60 high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L99/100,000 hours at

25°C). Class 1 electronic drivers are designed to have a power factor >90%, THD <20%, and an expected life of 100,000 hours with <1% failure rate. Easily serviceable 10kV or 6kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

### INSTALLATION

Included mounting block and integral arm facilitate quick and easy installation. Stainless steel bolts fasten the mounting block securely to poles and walls, enabling the D-Series Size 1 to withstand up to a 3.0 G vibration load rating per ANSI C136.31. The D-Series Size 1 utilizes the AERIS™ series pole drilling pattern (template #8). Optional terminal block, tool-less entry, and NEMA photocontrol receptacle are also available.

### LISTINGS

UL Listed for wet locations. Light engines are IP66 rated; luminaire is IP65 rated. Rated for -40°C minimum ambient. U.S. Patent No. D672,492 S. International patent pending.

DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at [www.designlights.org](http://www.designlights.org) to confirm which versions are qualified.

### WARRANTY

5-year limited warranty. Complete warranty terms located at [www.acuitybrands.com/CustomerResources/Terms\\_and\\_conditions.aspx](http://www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx)

**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.



## FEATURES & SPECIFICATIONS

**INTENDED USE** — Square straight steel pole for up to 39-foot mounting height.

**CONSTRUCTION** — Weldable-grade, hot-rolled, commercial-quality carbon steel tubing with a minimum yield of 55,000 psi (11-gauge), or 50,000 psi (7-gauge). Uniform wall thickness of .1196" or .1793". Shaft is one-piece with a full-length longitudinal high-frequency electric resistance weld. Uniformly square in cross-section with flat sides, small corner radii and excellent torsional qualities. Available shaft widths are 4, 5 and 6 inches.

Anchor base is fabricated from hot-rolled carbon steel plate conforming to ASTM A36, that meets or exceeds a minimum-yield strength of 36,000 psi. Base plate and shaft are circumferentially welded top and bottom. Base cover is finished to match pole.

A handhole having nominal dimensions of 3" x 5" for all shafts. Included is a cover with attachment screws.

Top cap provided with all drill-mount and open top "PT" poles.

Fasteners are high-strength galvanized, zinc-plated or stainless steel.

Finish: Must specify finish.

Grounding: Provision located immediately inside handhole rim. Grounding hardware is not included (provided by others).

Anchor bolts: Top portion of anchor bolt is galvanized per ASTM A-153. Made of steel rod having a minimum yield strength of 55,000 psi.

Note: Specifications subject to change without notice.

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

Catalog Number
Notes
Type



Anchor Base Poles

# SSS

SQUARE STRAIGHT STEEL

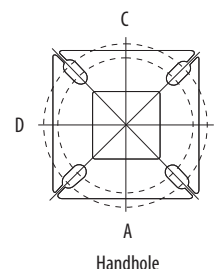
Example: SSS 20 5C DM19 DDB

ORDERING INFORMATION		Lead times will vary depending on options selected. Consult with your sales representative.				Example: SSS 20 5C DM19 DDB	
Series	Nominal fixture mounting height	Nominal shaft base size/wall thickness	Mounting <sup>1</sup>		Options	Finish <sup>10</sup>	
SSS	10 – 39 feet (See back page.)	(See back page.)	<b>Tenon mounting</b> PT Open top (includes top cap) T20 2-3/8" O.D. (2" NPS) T25 2-7/8" O.D. (2-1/2" NPS) T30 3-1/2" O.D. (3" NPS) T35 4" O.D. (3-1/2" NPS) <b>Drill mounting<sup>2</sup></b> DM19 1 at 90° DM28 2 at 180° DM28 PL 2 at 180° with one side plugged DM29 2 at 90° DM39 3 at 90° DM49 4 at 90° <b>CSX/DSX/AERIS™/OMERO™ Drill mounting<sup>2</sup></b> DM19AS 1 at 90° DM28AS 2 at 180° DM29AS 2 at 90° <b>DM39AS 3 at 90°</b> DM49AS 4 at 90°		<b>AERIS™ Suspend drill mounting<sup>2,3</sup></b> DM19AST_ 1 at 90° DM28AST_ 2 at 180° DM29AST_ 2 at 90° DM39AST_ 3 at 90° DM49AST_ 4 at 90° <b>OMERO™ Suspend drill mounting<sup>2,3</sup></b> DM19MRT_ 1 at 90° DM28MRT_ 2 at 180° DM29MRT_ 2 at 90° DM39MRT_ 3 at 90° DM49MRT_ 4 at 90°	<b>Shipped installed</b> L/AB Less anchor bolts VD Vibration damper TP Tamper proof H1-18Sxx Horizontal arm bracket (1 fixture) <sup>4,5</sup> FDLxx Festoon outlet less electrical <sup>4</sup> CPL12xx 1/2" coupling <sup>4</sup> CPL34xx 3/4" coupling <sup>4</sup> CPL1xx 1" coupling <sup>4</sup> NPL12xx 1/2" threaded nipple <sup>4</sup> NPL34xx 3/4" threaded nipple <sup>4</sup> NPL1xx 1" threaded nipple <sup>4</sup> EHHxx Extra handhole <sup>4,6</sup> MAEX Match existing <sup>7</sup> USPOM United States point of manufacture <sup>8</sup> IC Interior coating <sup>9</sup>	<b>Standard colors</b> DDB Dark bronze DWH White DBL Black DMB Medium bronze <b>DNA Natural aluminum</b> <b>Classic colors</b> DSS Sandstone DGC Charcoal gray DTG Tennis green DBR Bright red DSB Steel blue <b>Architectural colors (powder finish)<sup>10</sup></b>

NOTES:

- PT open top poles include top cap. When ordering tenon mounting and drill mounting for the same pole, follow this example: DM28/T20. The combination includes a required extra handhole.
- The drilling template to be used for a particular luminaire depends on the luminaire that is used. Refer to the Technical Data Section of the Outdoor Binder for Drilling Templates.
- Insert "1" or "2" to designate fixture size; e.g. DM19AST2.
- Specify location and orientation when ordering option.  
For 1st "x": Specify the height in feet above base of pole.  
Example: 5ft = 5 and 20ft = 20  
For 2nd "x": Specify orientation from handhole (A,B,C,D)  
Refer to the Handhole Orientation diagram above.
- Horizontal arm is 18" x 2-3/8" O.D. tenon standard.
- Combination of tenon-top and drill mount includes extra handhole.
- Must add original order number
- Use when mill certifications are required.
- Provides enhanced corrosion resistance.
- Additional colors available; see [www.lithonia.com/archcolors](http://www.lithonia.com/archcolors) or Architectural Colors brochure (Form No. 794.3). Powder finish standard.

HANDHOLE ORIENTATION



IMPORTANT INSTALLATION NOTES:

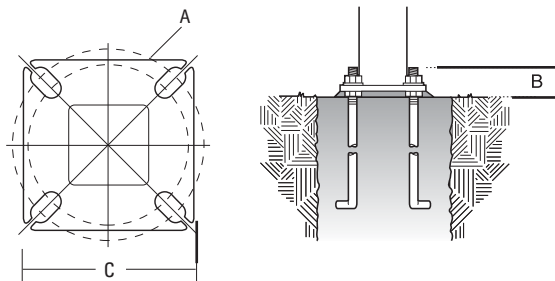
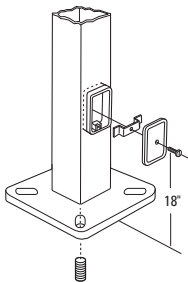
- Do not erect poles without having fixtures installed.
- Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates.
- If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage.
- Lithonia Lighting is not responsible for the foundation design.

# SSS Square Straight Steel Poles

## TECHNICAL INFORMATION

Catalog Number	Nominal mount ht. (ft)	Pole Shaft Size (in x ft)	Wall Thickness (in)	Gauge	EPA (ft <sup>2</sup> ) with 1.3 gust						Bolt Circle (in)	Bolt Size (in x in x in)	Approximate ship (lbs)
					80 mph	Max. weight	90 mph	Max. weight	100 mph	Max. weight			
SSS 10 4C	10	4.0 x 10.0	0.1196	11	30.6	765	23.8	595	18.9	473	8--9	3/4 x 18 x 3	75
SSS 12 4C	12	4.0 x 12.0	0.1196	11	24.4	610	18.8	470	14.8	370	8--9	3/4 x 18 x 3	90
SSS 14 4C	14	4.0 x 14.0	0.1196	11	19.9	498	15.1	378	11.7	293	8--9	3/4 x 18 x 3	100
SSS 16 4C	16	4.0 x 16.0	0.1196	11	15.9	398	11.8	295	8.9	223	8--9	3/4 x 18 x 3	115
SSS 18 4C	18	4.0 x 18.0	0.1196	11	12.6	315	9.2	230	6.7	168	8--9	3/4 x 18 x 3	125
SSS 20 4C	20	4.0 x 20.0	0.1196	11	9.6	240	6.7	167	4.5	150	8--9	3/4 x 18 x 3	140
SSS 20 4G	20	4.0 x 20.0	0.1793	7	14	350	11	275	8	200	8--9	3/4 x 30 x 3	198
SSS 20 5C	20	5.0 x 20.0	0.1196	11	17.7	443	12.7	343	9.4	235	10--12	1 x 36 x 4	185
SSS 20 5G	20	5.0 x 20.0	0.1793	7	28.1	703	21.4	535	16.2	405	10--12	1 x 36 x 4	265
SSS 25 4C	25	4.0 x 25.0	0.1196	11	4.8	150	2.6	100	1	50	8--9	3/4 x 18 x 3	170
SSS 25 4G	25	4.0 x 25.0	0.1793	7	10.8	270	7.7	188	5.4	135	8--9	3/4 x 30 x 3	245
SSS 25 5C	25	5.0 x 25.0	0.1196	11	9.8	245	6.3	157	3.7	150	10--12	1 x 36 x 4	225
SSS 25 5G	25	5.0 x 25.0	0.1793	7	18.5	463	13.3	333	9.5	238	10--12	1 x 36 x 4	360
SSS 30 4G	30	4.0 x 30.0	0.1793	7	6.7	168	4.4	110	2.6	65	8--9	3/4 x 30 x 3	295
SSS 30 5C	30	5.0 x 30.0	0.1196	11	4.7	150	2	50	--	--	10--12	1 x 36 x 4	265
SSS 30 5G	30	5.0 x 30.0	0.1793	7	10.7	267	6.7	167	3.9	100	10--12	1 x 36 x 4	380
SSS 30 6G	30	6.0 x 30.0	0.1793	7	19	475	13.2	330	9	225	11--13	1 x 36 x 4	520
SSS 35 5G	35	5.0 x 35.0	0.1793	7	5.9	150	2.5	100	--	--	10--12	1 x 36 x 4	440
SSS 35 6G	35	6.0 x 35.0	0.1793	7	12.4	310	7.6	190	4.2	105	11--13	1 x 36 x 4	540
SSS 39 6G	39	6.0 x 39.0	0.1793	7	7.2	180	3	75	--	--	11--13	1 x 36 x 4	605

## BASE DETAIL



## POLE DATA

Shaft base size	Bolt circle A	Bolt projection B	Base square C	Template description	Anchor bolt description	Anchor bolt and template number
4"C	8-1/2"	2-3/4"-4"	8"	ABTEMPLATE PJ50004	AB18-0	ABSSS-4C
4"G	8-1/2"	2-3/4"-4"	8"	ABTEMPLATE PJ50004	AB30-0	ABSSS-4G
5"	10"-12"	3-3/8"-4"	11"	ABTEMPLATE PJ50010	AB36-0	ABSSS-5
6"	11"-13"	3-3/8"-4"	12-1/2"	ABTEMPLATE PJ50011	AB36-0	N/A

### IMPORTANT:

• These specifications are intended for general purposes only. Lithonia reserves the right to change material or design, without prior notice, in a continuing effort to upgrade its products.



# D-Series Size 1 LED Area Luminaire

d#series



**TYPE: ZF**

Catalog Number

Notes

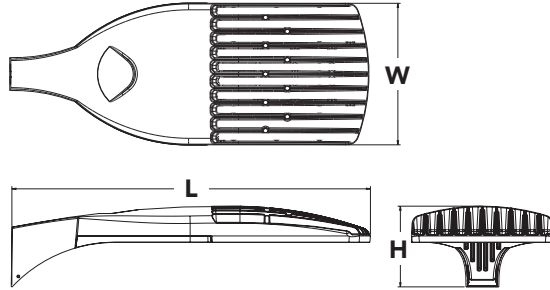
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Hit the Tab key or mouse over the page to see all interactive elements.

## Introduction

The modern styling of the D-Series is striking yet unobtrusive - making a bold, progressive statement even as it blends seamlessly with its environment.

The D-Series distills the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire. The outstanding photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. It is ideal for replacing up to 750W metal halide in pedestrian and area lighting applications with typical energy savings of 65% and expected service life of over 100,000 hours.



## Specifications

<b>EPA:</b>	1.01 ft <sup>2</sup> (0.09 m <sup>2</sup> )
<b>Length:</b>	33" (83.8 cm)
<b>Width:</b>	13" (33.0 cm)
<b>Height:</b>	7-1/2" (19.0 cm)
<b>Weight (max):</b>	27 lbs (12.2 kg)

## Ordering Information

**EXAMPLE: DSX1 LED 60C 1000 40K T3M MVOLT SPA DDBXD**

Series	LEDs	Drive current	Color temperature	Distribution	Voltage	Mounting
<b>DSX1 LED</b>	<b>Forward optics</b> 30C 30 LEDs (one engine) 40C 40 LEDs (two engines) <b>60C 60 LEDs (two engines)</b> <b>Rotated optics<sup>1</sup></b> 60C 60 LEDs (two engines)	530 530 mA <b>700 700 mA</b> 1000 1000 mA (1 A) <sup>2</sup>	30K 3000 K <b>40K 4000 K</b> 50K 5000 K AMBPC Amber phosphor converted <sup>3</sup>	T1S Type I short T2S Type II short T2M Type II medium T3S Type III short T3M Type III medium T4M Type IV medium <b>TFTM Forward throw medium</b> T5VS Type V very short T5S Type V short T5M Type V medium T5W Type V wide BLC Backlight control <sup>2,4</sup> LCCO Left corner cutoff <sup>2,4</sup> RCCO Right corner cutoff <sup>2,4</sup>	MVOLT <sup>5</sup> 120 <sup>5</sup> 208 <sup>5</sup> 240 <sup>5</sup> 277 <sup>5</sup> 347 <sup>6</sup> <b>480<sup>6</sup></b>	<b>Shipped included</b> SPA Square pole mounting RPA Round pole mounting WBA Wall bracket SPUMBA Square pole universal mounting adaptor <sup>7</sup> RPUMBA Round pole universal mounting adaptor <sup>7</sup> <b>Shipped separately</b> KMA8 DDBXD U Mast arm mounting bracket adaptor (specify finish) <sup>8</sup>

Control options	Other options	Finish (required)
<b>Shipped installed</b> PER NEMA twist-lock receptacle only (no controls) <sup>9</sup> PER5 Five-wire receptacle only (no controls) <sup>9,10</sup> PER7 Seven-wire receptacle only (no controls) <sup>9,10</sup> DMG 0-10V dimming driver (no controls) <sup>11</sup> DCR Dimmable and controllable via ROAM <sup>®</sup> (no controls) <sup>12</sup> DS Dual switching <sup>13,14</sup> PIR Bi-level, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 5fc <sup>15</sup> <b>PIRH Bi-level, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 5fc<sup>15</sup></b> PIR1FC3V Bi-level, motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc <sup>15</sup>	PIRH1FC3V Bi-level, motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc <sup>15</sup> BL30 Bi-level switched dimming, 30% <sup>14,16</sup> BL50 Bi-level switched dimming, 50% <sup>14,16</sup> PNMTDD3 Part night, dim till dawn <sup>17</sup> PNMT5D3 Part night, dim 5 hrs <sup>17</sup> PNMT6D3 Part night, dim 6 hrs <sup>17</sup> PNMT7D3 Part night, dim 7 hrs <sup>17</sup> FAO Field adjustable output <sup>18</sup> <b>Shipped installed</b> HS House-side shield <sup>19</sup> WTB Utility terminal block <sup>20</sup> SF Single fuse (120, 277, 347V) <sup>21</sup> <b>DF Double fuse (208, 240, 480V)<sup>21</sup></b> L90 Left rotated optics <sup>22</sup> R90 Right rotated optics <sup>22</sup> BS Bird spikes	DDBXD Dark bronze DBLXD Black DNAXD Natural aluminum DWHXD White DDBTXD Textured dark bronze <b>DBLBXD Textured black</b> <b>DNATXD Textured natural aluminum</b> DWHGXD Textured white

Accessories	
Ordered and shipped separately.	
DL127F 1.5 JU Photocell - SSL twist-lock (120-277V) <sup>23</sup>	
DL1347F 1.5 CUL JU Photocell - SSL twist-lock (347V) <sup>23</sup>	
DL1480F 1.5 CUL JU Photocell - SSL twist-lock (480V) <sup>23</sup>	
DSHORT SBK U Shorting cap <sup>23</sup>	
DSX1HS 30C U House-side shield for 30 LED unit <sup>19</sup>	
DSX1HS 40C U House-side shield for 40 LED unit <sup>19</sup>	
DSX1HS 60C U House-side shield for 60 LED unit <sup>19</sup>	
PUMBA DDBXD U* Square and round pole universal mounting bracket (specify finish) <sup>24</sup>	
KMA8 DDBXD U Mast arm mounting bracket adaptor (specify finish) <sup>8</sup>	

**NOTES**

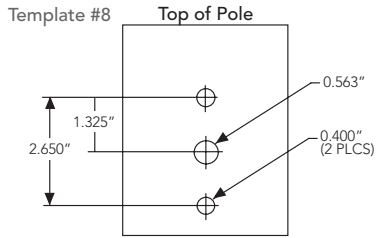
- Rotated optics available with 60C only.
- Not available AMBPC.
- Only available with 530mA or 700mA.
- Not available with HS.
- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz). Specify 120V, 208V, 240V or 277V options only when ordering with fusing (SF, DF options).
- Not available with single board, 530mA product (30C 530 or 60C 530 DS). Not available with BL30, BL50 or PNMT options.
- Existing drilled pole only. Available as a separate combination accessory; for retrofit use only: PUMBA (finish) U; 1.5 G vibration load rating per ANCI C136.31.
- Must order fixture with SPA option. Must be ordered as a separate accessory; see Accessories information. For use with 2-3/8" mast arm (not included).
- Photocell ordered and shipped as a separate line item from Acuity Brands Controls. See accessories. Not available with DS option.
- If ROAM<sup>®</sup> node required, it must be ordered and shipped as a separate line item from Acuity Brands Controls. Not available with DCR. Node with integral dimming.
- DMG option for 347V or 480V requires 1000mA.
- Specifies a ROAM<sup>®</sup> enabled luminaire with 0-10V dimming capability; PER option required. Additional hardware and services required for ROAM<sup>®</sup> deployment; must be purchased separately. Call 1-800-442-6745 or email: sales@roamservices.net. N/A with PIR options, DS, PER5, PER7, BL30, BL50 or PNMT options. Node without integral dimming.

- Requires 40C or 60C. Provides 50/50 luminaire operation via two independent drivers on two separate circuits. N/A with PER, DCR, WTB, PIR or PIRH.
- Requires an additional switched circuit.
- PIR and PIR1FC3V specify the SensorSwitch SBGR-10-ODP control; PIRH and PIRH1FC3V specify the SensorSwitch SBGR-6-ODP control; see Outdoor Control Technical Guide for details. Dimming driver standard. Not available with PER5 or PER7. Ambient sensor disabled when ordered with DCR. Separate on/off required.
- Dimming driver standard. MVOLT only. Not available with 347V, 480V, DCR, DS, PER5, PER7 or PNMT options. Not available with PIR1FC3V or PIRH1FC3V.
- Dimming driver standard. MVOLT only. Not available with 347V, 480V, DCR, DS, PER5, PER7, BL30 or BL50. Not available with PIR1FC3V or PIRH1FC3V. Separate on/off required.
- Dimming driver standard. Not available with PER5, PER7, DMG, DCR, DS, BL30, BL50 or PNMT, PIR, PIRH, PIR1FC3V or PIRH1FC3V.
- Not available with BLC, LCCO and RCCO distribution. Also available as a separate accessory; see Accessories information.
- WTB not available with DS.
- Single fuse (SF) requires 120V, 277V or 347V. Double fuse (DF) requires 208V, 240V or 480V.
- Available with 60 LEDs (60C option) only.
- Requires luminaire to be specified with PER option. Ordered and shipped as a separate line item from Acuity Brands Controls.
- For retrofit use only.

For more control options, visit DTL and ROAM online.



## Drilling



DSX1 shares a unique drilling pattern with the AERIS™ family. Specify this drilling pattern when specifying poles, per the table below.

<b>DM19AS</b>	Single unit	<b>DM29AS</b>	2 at 90°**
<b>DM28AS</b>	2 at 180°	<b>DM39AS</b>	3 at 90°**
<b>DM49AS</b>	4 at 90°**	<b>DM32AS</b>	3 at 120°**

**Example:** SSA 20 4C DM19AS DDBXD

Visit Lithonia Lighting's [POLES CENTRAL](#) to see our wide selection of poles, accessories and educational tools.

\*Round pole top must be 3.25" O.D. minimum.

\*\*Far round pole mounting (RPA) only.

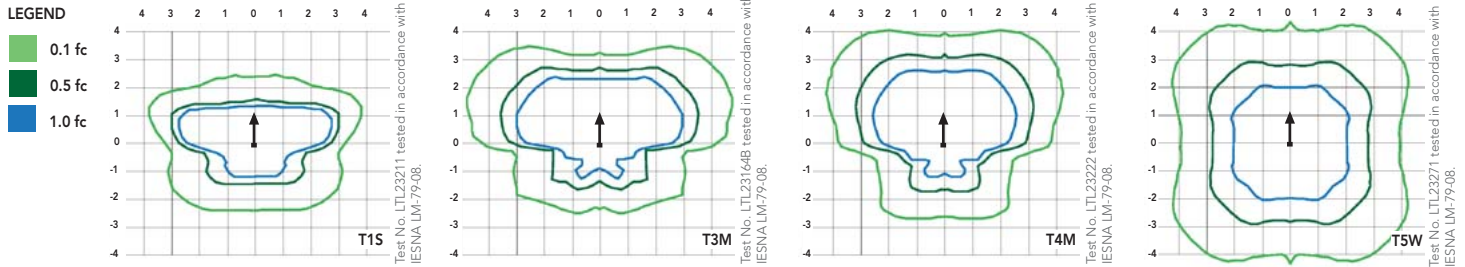
## Tenon Mounting Slipfitter\*\*

Tenon O.D.	Single Unit	2 at 180°	2 at 90°	3 at 120°	3 at 90°	4 at 90°
2-3/8"	AST20-190	AST20-280	AST20-290	AST20-320	AST20-390	AST20-490
2-7/8"	AST25-190	AST25-280	AST25-290	AST25-320	AST25-390	AST25-490
4"	AST35-190	AST35-280	AST35-290	AST35-320	AST35-390	AST35-490

## Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's [D-Series Area Size 1 homepage](#).

Isofootcandle plots for the DSX1 LED 60C 1000 40K. Distances are in units of mounting height (20').



## Performance Data

### Lumen Ambient Temperature (LAT) Multipliers

Use these factors to determine relative lumen output for average ambient temperatures from 0-40°C (32-104°F).

Ambient		Lumen Multiplier
0°C	32°F	1.02
10°C	50°F	1.01
20°C	68°F	1.00
<b>25°C</b>	<b>77°F</b>	<b>1.00</b>
30°C	86°F	1.00
40°C	104°F	0.99

### Electrical Load

Number of LEDs	Drive Current (mA)	System Watts	Current (A)					
			120	208	240	277	347	480
30	530	52	0.52	0.30	0.26	0.23	--	--
	700	68	0.68	0.39	0.34	0.30	0.24	0.17
	1000	105	1.03	0.59	0.51	0.45	0.36	0.26
40	530	68	0.67	0.39	0.34	0.29	0.23	0.17
	700	89	0.89	0.51	0.44	0.38	0.31	0.22
	1000	138	1.35	0.78	0.67	0.58	0.47	0.34
60	530	99	0.97	0.56	0.48	0.42	0.34	0.24
	700	131	1.29	0.74	0.65	0.56	0.45	0.32
	1000	209	1.98	1.14	0.99	0.86	0.69	0.50

### Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the platforms noted in a 25°C ambient, based on 10,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate LLF, use the lumen maintenance factor that corresponds to the desired number of operating hours below. For other lumen maintenance values, contact factory.

Operating Hours	0	25,000	50,000	100,000
Lumen Maintenance Factor	DSX1 LED 60C 1000			
	1.0	0.98	0.96	0.91
	DSX1 LED 60C 700			
	1.0	0.99	0.99	0.99

# Performance Data

## Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Forward Optics																							
LEDs	Drive Current (mA)	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)					AMBPC (Amber Phosphor Converted)				
				Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
30C (30 LEDs)	530 mA	52 W	T1S	5,948	1	0	1	114	6,387	1	0	1	123	6,427	1	0	1	124	3,640	1	0	1	70
			T2S	6,132	1	0	1	118	6,585	2	0	2	127	6,626	2	0	2	127	3,813	1	0	1	73
			T2M	5,992	1	0	2	115	6,434	1	0	2	124	6,475	1	0	2	125	3,689	1	0	1	71
			T3S	5,985	1	0	1	115	6,427	1	0	2	124	6,467	1	0	2	124	3,770	1	0	1	73
			T3M	6,039	1	0	2	116	6,485	1	0	2	125	6,525	1	0	2	125	3,752	1	0	1	72
			T4M	6,121	1	0	2	118	6,573	1	0	2	126	6,614	1	0	2	127	3,758	1	0	1	72
			TFTM	6,030	1	0	2	116	6,475	1	0	2	125	6,515	1	0	2	125	3,701	1	0	1	71
			TSVS	6,370	2	0	0	123	6,840	2	0	0	132	6,883	2	0	0	132	3,928	2	0	0	76
			T5S	6,417	2	0	0	123	6,890	2	0	0	133	6,933	2	0	0	133	3,881	2	0	0	75
			T5M	6,428	3	0	1	124	6,902	3	0	1	133	6,945	3	0	1	134	3,930	2	0	1	76
			T5W	6,334	3	0	1	122	6,801	3	0	1	131	6,844	3	0	1	132	3,820	3	0	1	73
			BLC	4,735	1	0	1	91	5,085	1	0	2	98	5,116	1	0	1	98					
			LCCO	4,600	1	0	2	88	4,940	1	0	2	95	4,971	1	0	2	96					
			RCCO	4,600	1	0	2	88	4,940	1	0	2	95	4,971	1	0	2	96					
			T1S	7,554	1	0	1	111	8,112	2	0	2	119	8,163	2	0	2	120	4,561	1	0	1	67
			T2S	7,789	2	0	2	115	8,364	2	0	2	123	8,416	2	0	2	124	4,777	1	0	1	70
			T2M	7,610	1	0	2	112	8,172	2	0	2	120	8,223	2	0	2	121	4,622	1	0	2	68
			T3S	7,601	1	0	2	112	8,162	2	0	2	120	8,213	2	0	2	121	4,724	1	0	1	69
	T3M	7,670	1	0	2	113	8,236	2	0	2	121	8,288	2	0	2	122	4,701	1	0	2	69		
	T4M	7,774	1	0	2	114	8,348	2	0	2	123	8,400	2	0	2	124	4,709	1	0	2	69		
	TFTM	7,658	1	0	2	113	8,223	1	0	2	121	8,275	1	0	2	122	4,638	1	0	2	68		
	TSVS	8,090	2	0	0	119	8,687	3	0	1	128	8,742	3	0	1	129	4,922	2	0	0	72		
	T5S	8,150	2	0	0	120	8,751	3	0	0	129	8,806	3	0	0	130	4,863	2	0	0	72		
	T5M	8,164	3	0	1	120	8,767	3	0	2	129	8,821	3	0	2	130	4,924	3	0	1	72		
	T5W	8,044	3	0	1	118	8,638	3	0	2	127	8,692	3	0	2	128	4,787	3	0	1	70		
	BLC	6,028	1	0	2	89	6,473	1	0	2	95	6,514	1	0	2	96							
	LCCO	5,856	1	0	2	86	6,289	1	0	2	92	6,328	1	0	2	93							
	RCCO	5,856	1	0	2	86	6,289	1	0	2	92	6,328	1	0	2	93							
	T1S	10,331	2	0	2	98	11,094	2	0	2	106	11,163	2	0	2	106							
	T2S	10,652	2	0	2	101	11,438	2	0	2	109	11,510	2	0	2	110							
	T2M	10,408	2	0	2	99	11,176	2	0	3	106	11,246	2	0	3	107							
	T3S	10,395	2	0	2	99	11,163	2	0	2	106	11,233	2	0	2	107							
	T3M	10,490	2	0	2	100	11,264	2	0	2	107	11,335	2	0	2	108							
	T4M	10,632	2	0	2	101	11,417	2	0	2	109	11,488	2	0	2	109							
	TFTM	10,473	2	0	2	100	11,247	2	0	3	107	11,317	2	0	3	108							
	TSVS	11,064	3	0	1	105	11,881	3	0	1	113	11,955	3	0	1	114							
T5S	11,145	3	0	1	106	11,968	3	0	1	114	12,043	3	0	1	115								
T5M	11,165	3	0	2	106	11,989	4	0	2	114	12,064	4	0	2	115								
T5W	11,001	3	0	2	105	11,813	4	0	2	113	11,887	4	0	2	113								
BLC	7,960	1	0	2	76	8,548	1	0	2	81	8,601	1	0	2	82								
LCCO	7,734	1	0	2	74	8,305	1	0	2	79	8,357	1	0	2	80								
RCCO	7,734	1	0	2	74	8,305	1	0	2	79	8,357	1	0	2	80								

# Performance Data

## Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Forward Optics																							
LEDs	Drive Current (mA)	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)					AMBPC (Amber Phosphor Converted)				
				Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
40C (40 LEDs)	530 mA	68 W	T1S	7,861	1	0	1	116	8,441	2	0	2	124	8,494	2	0	2	125	4,794	1	0	1	71
			T2S	8,105	2	0	2	119	8,704	2	0	2	128	8,758	2	0	2	129	5,021	1	0	1	74
			T2M	7,920	2	0	2	116	8,504	2	0	2	125	8,557	2	0	2	126	4,858	1	0	2	71
			T3S	7,910	1	0	2	116	8,494	2	0	2	125	8,547	2	0	2	126	4,966	1	0	1	73
			T3M	7,982	2	0	2	117	8,571	2	0	2	126	8,625	2	0	2	127	4,941	1	0	2	73
			T4M	8,090	1	0	2	119	8,687	2	0	2	128	8,741	2	0	2	129	4,950	1	0	2	73
			TFTM	7,969	1	0	2	117	8,558	2	0	2	126	8,611	2	0	2	127	4,875	1	0	2	72
			TSVS	8,419	2	0	0	124	9,040	3	0	1	133	9,097	3	0	1	134	5,174	2	0	0	76
			T5S	8,481	2	0	0	125	9,107	3	0	1	134	9,164	3	0	1	135	5,111	2	0	0	75
			T5M	8,496	3	0	1	125	9,123	3	0	2	134	9,180	3	0	2	135	5,175	3	0	1	76
			TSW	8,371	3	0	2	123	8,989	3	0	2	132	9,045	3	0	2	133	5,031	3	0	1	74
			BLC	6,255	1	0	2	92	6,717	1	0	2	99	6,759	1	0	2	99					
			LCCO	6,077	1	0	2	89	6,526	1	0	2	96	6,566	1	0	2	97					
			RCCO	6,077	1	0	2	89	6,526	1	0	2	96	6,566	1	0	2	97					
			T1S	9,984	2	0	2	112	10,721	2	0	2	120	10,788	2	0	2	121	6,014	1	0	1	68
			T2S	10,294	2	0	2	116	11,054	2	0	2	124	11,123	2	0	2	125	6,299	2	0	2	71
			T2M	10,059	2	0	2	113	10,801	2	0	3	121	10,869	2	0	3	122	6,094	2	0	2	68
			T3S	10,046	2	0	2	113	10,788	2	0	2	121	10,855	2	0	2	122	6,229	1	0	2	70
			T3M	10,137	2	0	2	114	10,886	2	0	2	122	10,954	2	0	2	123	6,198	2	0	2	70
			T4M	10,275	2	0	2	115	11,033	2	0	2	124	11,102	2	0	2	125	6,209	1	0	2	70
	TFTM	10,122	2	0	2	114	10,869	2	0	2	122	10,937	2	0	2	123	6,115	1	0	2	69		
	TSVS	10,693	3	0	1	120	11,482	3	0	1	129	11,554	3	0	1	130	6,490	2	0	0	73		
	T5S	10,771	3	0	1	121	11,566	3	0	1	130	11,639	3	0	1	131	6,411	2	0	0	72		
	T5M	10,790	3	0	2	121	11,587	4	0	2	130	11,659	4	0	2	131	6,492	3	0	1	73		
	TSW	10,632	3	0	2	119	11,417	4	0	2	128	11,488	4	0	2	129	6,311	3	0	2	71		
	BLC	7,963	1	0	2	89	8,551	1	0	2	96	8,605	1	0	2	97							
	LCCO	7,736	1	0	2	87	8,308	1	0	2	93	8,359	1	0	2	94							
	RCCO	7,736	1	0	2	87	8,308	1	0	2	93	8,359	1	0	2	94							
	T1S	13,655	2	0	2	99	14,663	3	0	3	106	14,754	3	0	3	107							
	T2S	14,079	2	0	2	102	15,118	3	0	3	110	15,212	3	0	3	110							
	T2M	13,756	2	0	3	100	14,772	3	0	3	107	14,864	3	0	3	108							
	T3S	13,739	2	0	2	100	14,754	2	0	2	107	14,846	3	0	3	108							
	T3M	13,864	2	0	2	100	14,888	3	0	3	108	14,981	3	0	3	109							
	T4M	14,052	2	0	2	102	15,090	3	0	3	109	15,184	3	0	3	110							
	TFTM	13,842	2	0	3	100	14,864	2	0	3	108	14,957	2	0	3	108							
	TSVS	14,623	3	0	1	106	15,703	4	0	1	114	15,801	4	0	1	115							
	T5S	14,731	3	0	1	107	15,818	3	0	1	115	15,917	3	0	1	115							
	T5M	14,757	4	0	2	107	15,846	4	0	2	115	15,945	4	0	2	116							
	TSW	14,540	4	0	2	105	15,614	4	0	2	113	15,711	4	0	2	114							
	BLC	10,516	1	0	2	76	11,292	1	0	2	82	11,363	1	0	2	82							
LCCO	10,216	2	0	3	74	10,971	2	0	3	80	11,039	2	0	3	80								
RCCO	10,216	2	0	3	74	10,971	2	0	3	80	11,039	2	0	3	80								

# Performance Data

## Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

Forward Optics																							
LEDs	Drive Current (mA)	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)					AMBPC (Amber Phosphor Converted)				
				Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
60C (60 LEDs)	530 mA	99 W	T1S	11,569	2	0	2	117	12,423	2	0	2	125	12,501	2	0	2	126	7,167	2	0	2	72
			T2S	11,928	2	0	2	120	12,809	3	0	3	129	12,889	3	0	3	130	7,507	2	0	2	76
			T2M	11,655	2	0	2	118	12,516	2	0	3	126	12,594	2	0	3	127	7,263	2	0	2	73
			T3S	11,641	2	0	2	118	12,500	2	0	2	126	12,579	2	0	2	127	7,424	2	0	2	75
			T3M	11,747	2	0	2	119	12,614	2	0	2	127	12,693	2	0	2	128	7,387	2	0	2	75
			T4M	11,906	2	0	2	120	12,785	2	0	2	129	12,865	2	0	2	130	7,400	2	0	2	75
			TFTM	11,728	2	0	2	118	12,594	2	0	3	127	12,673	2	0	3	128	7,288	1	0	2	74
			TSVS	12,390	3	0	1	125	13,305	3	0	1	134	13,388	3	0	1	135	7,734	3	0	1	78
			T5S	12,481	3	0	1	126	13,402	3	0	1	135	13,486	3	0	1	136	7,641	3	0	0	77
			T5M	12,503	3	0	2	126	13,426	4	0	2	136	13,510	4	0	2	136	7,737	3	0	2	78
			TSW	12,320	4	0	2	124	13,229	4	0	2	134	13,312	4	0	2	134	7,522	3	0	2	76
			BLC	9,212	1	0	2	93	9,892	1	0	2	100	9,954	1	0	2	101					
			LCCO	8,950	1	0	2	90	9,611	2	0	2	97	9,671	2	0	2	98					
			RCCO	8,950	1	0	2	90	9,611	2	0	2	97	9,671	2	0	2	98					
			T1S	14,694	2	0	2	112	15,779	3	0	3	120	15,877	3	0	3	121	8,952	2	0	2	68
	T2S	15,150	3	0	3	116	16,269	3	0	3	124	16,370	3	0	3	125	9,377	2	0	2	72		
	T2M	14,803	2	0	3	113	15,896	3	0	3	121	15,995	3	0	3	122	9,072	2	0	2	69		
	T3S	14,785	2	0	2	113	15,877	3	0	3	121	15,976	3	0	3	122	9,273	2	0	2	71		
	T3M	14,919	2	0	2	114	16,021	3	0	3	122	16,121	3	0	3	123	9,227	2	0	2	70		
	T4M	15,122	2	0	2	115	16,238	3	0	3	124	16,340	3	0	3	125	9,243	2	0	2	71		
	TFTM	14,896	2	0	3	114	15,996	2	0	3	122	16,096	2	0	3	123	9,103	2	0	2	69		
	TSVS	15,736	3	0	1	120	16,898	4	0	1	129	17,004	4	0	1	130	9,661	3	0	1	74		
	T5S	15,852	3	0	1	121	17,022	4	0	1	130	17,129	4	0	1	131	9,544	3	0	1	73		
	T5M	15,880	4	0	2	121	17,052	4	0	2	130	17,159	4	0	2	131	9,665	3	0	2	74		
	TSW	15,647	4	0	2	119	16,802	4	0	2	128	16,907	4	0	2	129	9,395	4	0	2	72		
	BLC	11,728	1	0	2	90	12,594	1	0	2	96	12,672	3	0	3	97							
	LCCO	11,394	2	0	3	87	12,235	2	0	3	93	12,311	2	0	3	94							
	RCCO	11,394	2	0	3	87	12,235	2	0	3	93	12,311	2	0	3	94							
	T1S	20,095	3	0	3	96	21,579	3	0	3	103	21,714	3	0	3	104							
	T2S	20,720	3	0	3	99	22,249	3	0	3	106	22,388	3	0	3	107							
	T2M	20,245	3	0	3	97	21,740	3	0	3	104	21,876	3	0	3	105							
	T3S	20,220	3	0	3	97	21,713	3	0	3	104	21,849	3	0	3	105							
	T3M	20,404	3	0	3	98	21,910	3	0	4	105	22,047	3	0	4	105							
	T4M	20,681	3	0	3	99	22,207	3	0	4	106	22,346	3	0	4	107							
	TFTM	20,372	3	0	3	97	21,876	3	0	4	105	22,013	3	0	4	105							
	TSVS	21,521	4	0	1	103	23,110	4	0	1	111	23,254	4	0	1	111							
	T5S	21,679	4	0	1	104	23,280	4	0	1	111	23,425	4	0	1	112							
	T5M	21,717	4	0	2	104	23,321	5	0	3	112	23,466	5	0	3	112							
	TSW	21,399	4	0	3	102	22,979	5	0	3	110	23,122	5	0	3	111							
	BLC	15,487	2	0	2	74	16,630	2	0	2	80	16,734	2	0	3	80							
	LCCO	15,046	2	0	3	72	16,157	2	0	3	77	16,258	2	0	3	78							
	RCCO	15,046	2	0	3	72	16,157	2	0	3	77	16,258	2	0	3	78							

# Performance Data

## Lumen Output

Lumen values are from photometric tests performed in accordance with IESNA LM-79-08. Data is considered to be representative of the configurations shown, within the tolerances allowed by Lighting Facts. Contact factory for performance data on any configurations not shown here.

L90 and R90 Rotated Optics																							
LEDs	Drive Current (mA)	System Watts	Dist. Type	30K (3000 K, 70 CRI)					40K (4000 K, 70 CRI)					50K (5000 K, 70 CRI)					AMBPC (Amber Phosphor Converted)				
				Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW	Lumens	B	U	G	LPW
60C (60 LEDs)	530 mA	99 W	T1S	11,569	2	0	2	117	12,423	2	0	2	125	12,501	2	0	2	126	7,167	2	0	2	72
			T2S	11,928	2	0	2	120	12,809	3	0	3	129	12,889	3	0	3	130	7,507	2	0	2	76
			T2M	11,655	2	0	2	118	12,516	2	0	3	126	12,594	2	0	3	127	7,263	2	0	2	73
			T3S	11,641	2	0	2	118	12,500	2	0	2	126	12,579	2	0	2	127	7,424	2	0	2	75
			T3M	11,747	2	0	2	119	12,614	2	0	2	127	12,693	2	0	2	128	7,387	2	0	2	75
			T4M	11,906	2	0	2	120	12,785	2	0	2	129	12,865	2	0	2	130	7,400	2	0	2	75
			TFTM	11,728	2	0	2	118	12,594	2	0	3	127	12,673	2	0	3	128	7,288	1	0	2	74
			TSVS	12,390	3	0	1	125	13,305	3	0	1	134	13,388	3	0	1	135	7,734	3	0	1	78
			T5S	12,481	3	0	1	126	13,402	3	0	1	135	13,486	3	0	1	136	7,641	3	0	0	77
			T5M	12,503	3	0	2	126	13,426	4	0	2	136	13,510	4	0	2	136	7,737	3	0	2	78
			TSW	12,320	4	0	2	124	13,229	4	0	2	134	13,312	4	0	2	134	7,522	3	0	2	76
			BLC	9,212	1	0	2	93	9,892	1	0	2	100	9,954	1	0	2	101					
			LCCO	8,950	1	0	2	90	9,611	2	0	2	97	9,671	2	0	2	98					
			RCCO	8,950	1	0	2	90	9,611	2	0	2	97	9,671	2	0	2	98					
			T1S	14,694	2	0	2	112	15,779	3	0	3	120	15,877	3	0	3	121	8,952	2	0	2	68
			T2S	15,150	3	0	3	116	16,269	3	0	3	124	16,370	3	0	3	125	9,377	2	0	2	72
			T2M	14,803	2	0	3	113	15,896	3	0	3	121	15,995	3	0	3	122	9,072	2	0	2	69
			T3S	14,785	2	0	2	113	15,877	3	0	3	121	15,976	3	0	3	122	9,273	2	0	2	71
	T3M	14,919	2	0	2	114	16,021	3	0	3	122	16,121	3	0	3	123	9,227	2	0	2	70		
	T4M	15,122	2	0	2	115	16,238	3	0	3	124	16,340	3	0	3	125	9,243	2	0	2	71		
	TFTM	14,896	2	0	3	114	15,996	2	0	3	122	16,096	2	0	3	123	9,103	2	0	2	69		
	TSVS	15,736	3	0	1	120	16,898	4	0	1	129	17,004	4	0	1	130	9,661	3	0	1	74		
	T5S	15,852	3	0	1	121	17,022	4	0	1	130	17,129	4	0	1	131	9,544	3	0	1	73		
	T5M	15,880	4	0	2	121	17,052	4	0	2	130	17,159	4	0	2	131	9,665	3	0	2	74		
	TSW	15,647	4	0	2	119	16,802	4	0	2	128	16,907	4	0	2	129	9,395	4	0	2	72		
	BLC	11,728	1	0	2	90	12,594	1	0	2	96	12,672	3	0	3	97							
	LCCO	11,394	2	0	3	87	12,235	2	0	3	93	12,311	2	0	3	94							
	RCCO	11,394	2	0	3	87	12,235	2	0	3	93	12,311	2	0	3	94							
	T1S	20,095	3	0	3	96	21,579	3	0	3	103	21,714	3	0	3	104							
	T2S	20,720	3	0	3	99	22,249	3	0	3	106	22,388	3	0	3	107							
	T2M	20,245	3	0	3	97	21,740	3	0	3	104	21,876	3	0	3	105							
	T3S	20,220	3	0	3	97	21,713	3	0	3	104	21,849	3	0	3	105							
	T3M	20,404	3	0	3	98	21,910	3	0	4	105	22,047	3	0	4	105							
	T4M	20,681	3	0	3	99	22,207	3	0	4	106	22,346	3	0	4	107							
	TFTM	20,372	3	0	3	97	21,876	3	0	4	105	22,013	3	0	4	105							
	TSVS	21,521	4	0	1	103	23,110	4	0	1	111	23,254	4	0	1	111							
T5S	21,679	4	0	1	104	23,280	4	0	1	111	23,425	4	0	1	112								
T5M	21,717	4	0	2	104	23,321	5	0	3	112	23,466	5	0	3	112								
TSW	21,399	4	0	3	102	22,979	5	0	3	110	23,122	5	0	3	111								
BLC	15,487	2	0	2	74	16,630	2	0	2	80	16,734	2	0	3	80								
LCCO	15,046	2	0	3	72	16,157	2	0	3	77	16,258	2	0	3	78								
RCCO	15,046	2	0	3	72	16,157	2	0	3	77	16,258	2	0	3	78								

## FEATURES & SPECIFICATIONS

### INTENDED USE

The sleek design of the D-Series Size 1 reflects the embedded high performance LED technology. It is ideal for many commercial and municipal applications, such as parking lots, plazas, campuses, and streetscapes.

### CONSTRUCTION

Single-piece die-cast aluminum housing has integral heat sink fins to optimize thermal management through conductive and convective cooling. Modular design allows for ease of maintenance and future light engine upgrades. The LED drivers are mounted in direct contact with the casting to promote low operating temperature and long life. Housing is completely sealed against moisture and environmental contaminants (IP65). Low EPA (1.01 ft<sup>2</sup>) for optimized pole wind loading.

### FINISH

Exterior parts are protected by a zinc-infused Super Durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering. A tightly controlled multi-stage process ensures a minimum 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling. Available in both textured and non-textured finishes.

### OPTICS

Precision-molded proprietary acrylic lenses are engineered for superior area lighting distribution, uniformity, and pole spacing. Light engines are available in standard 3000 K, 4000 K and 5000 K (70 CRI) or optional 3000 K (70 minimum CRI) or 5000 K (70 CRI) configurations. The D-Series Size 1 has zero uplight and qualifies as a Nighttime Friendly™ product, meaning it is consistent with the LEED® and Green Globes™ criteria for eliminating wasteful uplight.

### ELECTRICAL

Light engine configurations consist of 30, 40 or 60 high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (up to L99/100,000 hours at

25°C). Class 1 electronic drivers are designed to have a power factor >90%, THD <20%, and an expected life of 100,000 hours with <1% failure rate. Easily serviceable 10kV or 6kV surge protection device meets a minimum Category C Low operation (per ANSI/IEEE C62.41.2).

### INSTALLATION

Included mounting block and integral arm facilitate quick and easy installation. Stainless steel bolts fasten the mounting block securely to poles and walls, enabling the D-Series Size 1 to withstand up to a 3.0 G vibration load rating per ANSI C136.31. The D-Series Size 1 utilizes the AERIS™ series pole drilling pattern (template #8). Optional terminal block, tool-less entry, and NEMA photocontrol receptacle are also available.

### LISTINGS

UL Listed for wet locations. Light engines are IP66 rated; luminaire is IP65 rated. Rated for -40°C minimum ambient. U.S. Patent No. D672,492 S. International patent pending.

DesignLights Consortium® (DLC) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at [www.designlights.org](http://www.designlights.org) to confirm which versions are qualified.

### WARRANTY

5-year limited warranty. Complete warranty terms located at [www.acuitybrands.com/CustomerResources/Terms\\_and\\_conditions.aspx](http://www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx)

**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.





## FEATURES & SPECIFICATIONS

**INTENDED USE** — Square straight steel pole for up to 39-foot mounting height.

**CONSTRUCTION** — Weldable-grade, hot-rolled, commercial-quality carbon steel tubing with a minimum yield of 55,000 psi (11-gauge), or 50,000 psi (7-gauge). Uniform wall thickness of .1196" or .1793". Shaft is one-piece with a full-length longitudinal high-frequency electric resistance weld. Uniformly square in cross-section with flat sides, small corner radii and excellent torsional qualities. Available shaft widths are 4, 5 and 6 inches.

Anchor base is fabricated from hot-rolled carbon steel plate conforming to ASTM A36, that meets or exceeds a minimum-yield strength of 36,000 psi. Base plate and shaft are circumferentially welded top and bottom. Base cover is finished to match pole.

A handhole having nominal dimensions of 3" x 5" for all shafts. Included is a cover with attachment screws.

Top cap provided with all drill-mount and open top "PT" poles.

Fasteners are high-strength galvanized, zinc-plated or stainless steel.

Finish: Must specify finish.

Grounding: Provision located immediately inside handhole rim. Grounding hardware is not included (provided by others).

Anchor bolts: Top portion of anchor bolt is galvanized per ASTM A-153. Made of steel rod having a minimum yield strength of 55,000 psi.

Note: Specifications subject to change without notice.

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

Catalog Number
Notes
Type



### Anchor Base Poles

# SSS

## SQUARE STRAIGHT STEEL

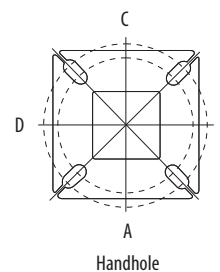
**ORDERING INFORMATION** Lead times will vary depending on options selected. Consult with your sales representative. **Example:** SSS 20 5C DM19 DDB

SSS Series	Nominal fixture mounting height	Nominal shaft base size/wall thickness	Mounting <sup>1</sup>	Options	Finish <sup>10</sup>	
SSS	10 – 39 feet (See back page.)	(See back page.)	<p><b>Tenon mounting</b></p> <p>PT Open top (includes top cap)</p> <p>T20 2-3/8" O.D. (2" NPS)</p> <p>T25 2-7/8" O.D. (2-1/2" NPS)</p> <p>T30 3-1/2" O.D. (3" NPS)</p> <p>T35 4" O.D. (3-1/2" NPS)</p> <p><b>Drill mounting<sup>2</sup></b></p> <p>DM19 1 at 90°</p> <p>DM28 2 at 180°</p> <p>DM28 PL 2 at 180° with one side plugged</p> <p>DM29 2 at 90°</p> <p>DM39 3 at 90°</p> <p>DM49 4 at 90°</p> <p><b>CSX/DSX/AERIS™/OMERO™ Drill mounting<sup>2</sup></b></p> <p>DM19AS 1 at 90°</p> <p>DM28AS 2 at 180°</p> <p>DM29AS 2 at 90°</p> <p>DM39AS 3 at 90°</p> <p>DM49AS 4 at 90°</p>	<p><b>AERIS™ Suspend drill mounting<sup>2,3</sup></b></p> <p>DM19AST_ 1 at 90°</p> <p>DM28AST_ 2 at 180°</p> <p>DM29AST_ 2 at 90°</p> <p>DM39AST_ 3 at 90°</p> <p>DM49AST_ 4 at 90°</p> <p><b>OMERO™ Suspend drill mounting<sup>2,3</sup></b></p> <p>DM19MRT_ 1 at 90°</p> <p>DM28MRT_ 2 at 180°</p> <p>DM29MRT_ 2 at 90°</p> <p>DM39MRT_ 3 at 90°</p> <p>DM49MRT_ 4 at 90°</p>	<p><b>Shipped installed</b></p> <p>L/AB Less anchor bolts</p> <p>VD Vibration damper</p> <p>TP Tamper proof</p> <p>H1-18Sxx Horizontal arm bracket (1 fixture)<sup>4,5</sup></p> <p>FDLxx Festoon outlet less electrical<sup>4</sup></p> <p>CPL12xx 1/2" coupling<sup>4</sup></p> <p>CPL34xx 3/4" coupling<sup>4</sup></p> <p>CPL1xx 1" coupling<sup>4</sup></p> <p>NPL12xx 1/2" threaded nipple<sup>4</sup></p> <p>NPL34xx 3/4" threaded nipple<sup>4</sup></p> <p>NPL1xx 1" threaded nipple<sup>4</sup></p> <p>EHHxx Extra handhole<sup>4,6</sup></p> <p>MAEX Match existing<sup>7</sup></p> <p>USPOM United States point of manufacture<sup>8</sup></p> <p>IC Interior coating<sup>9</sup></p>	<p><b>Standard colors</b></p> <p>DDB Dark bronze</p> <p>DWH White</p> <p>DBL Black</p> <p>DMB Medium bronze</p> <p>DNA Natural aluminum</p> <p><b>Classic colors</b></p> <p>DSS Sandstone</p> <p>DGC Charcoal gray</p> <p>DTG Tennis green</p> <p>DBR Bright red</p> <p>DSB Steel blue</p> <p><b>Architectural colors (powder finish)<sup>10</sup></b></p>

**NOTES:**

- PT open top poles include top cap. When ordering tenon mounting and drill mounting for the same pole, follow this example: DM28/T20. The combination includes a required extra handhole.
- The drilling template to be used for a particular luminaire depends on the luminaire that is used. Refer to the Technical Data Section of the Outdoor Binder for Drilling Templates.
- Insert "1" or "2" to designate fixture size; e.g. DM19AST2.
- Specify location and orientation when ordering option.  
For 1st "x": Specify the height in feet above base of pole.  
Example: 5ft = 5 and 20ft = 20  
For 2nd "x": Specify orientation from handhole (A,B,C,D)  
Refer to the Handhole Orientation diagram above.
- Horizontal arm is 18" x 2-3/8" O.D. tenon standard.
- Combination of tenon-top and drill mount includes extra handhole.
- Must add original order number
- Use when mill certifications are required.
- Provides enhanced corrosion resistance.
- Additional colors available; see [www.lithonia.com/archcolors](http://www.lithonia.com/archcolors) or Architectural Colors brochure (Form No. 794.3). Powder finish standard.

### HANDHOLE ORIENTATION



**IMPORTANT INSTALLATION NOTES:**

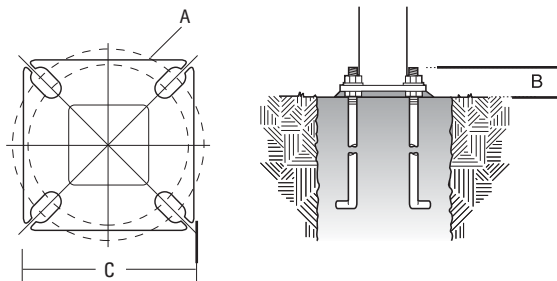
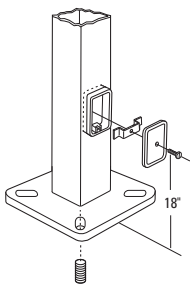
- Do not erect poles without having fixtures installed.
- Factory-supplied templates must be used when setting anchor bolts. Lithonia Lighting will not accept claim for incorrect anchorage placement due to failure to use Lithonia Lighting factory templates.
- If poles are stored outside, all protective wrapping must be removed immediately upon delivery to prevent finish damage.
- Lithonia Lighting is not responsible for the foundation design.

# SSS Square Straight Steel Poles

## TECHNICAL INFORMATION

Catalog Number	Nominal mount ht. (ft)	Pole Shaft Size (in x ft)	Wall Thickness (in)	Gauge	EPA (ft <sup>2</sup> ) with 1.3 gust						Bolt Circle (in)	Bolt Size (in x in x in)	Approximate ship (lbs)
					80 mph	Max. weight	90 mph	Max. weight	100 mph	Max. weight			
SSS 10 4C	10	4.0 x 10.0	0.1196	11	30.6	765	23.8	595	18.9	473	8--9	3/4 x 18 x 3	75
SSS 12 4C	12	4.0 x 12.0	0.1196	11	24.4	610	18.8	470	14.8	370	8--9	3/4 x 18 x 3	90
SSS 14 4C	14	4.0 x 14.0	0.1196	11	19.9	498	15.1	378	11.7	293	8--9	3/4 x 18 x 3	100
SSS 16 4C	16	4.0 x 16.0	0.1196	11	15.9	398	11.8	295	8.9	223	8--9	3/4 x 18 x 3	115
SSS 18 4C	18	4.0 x 18.0	0.1196	11	12.6	315	9.2	230	6.7	168	8--9	3/4 x 18 x 3	125
SSS 20 4C	20	4.0 x 20.0	0.1196	11	9.6	240	6.7	167	4.5	150	8--9	3/4 x 18 x 3	140
SSS 20 4G	20	4.0 x 20.0	0.1793	7	14	350	11	275	8	200	8--9	3/4 x 30 x 3	198
SSS 20 5C	20	5.0 x 20.0	0.1196	11	17.7	443	12.7	343	9.4	235	10--12	1 x 36 x 4	185
SSS 20 5G	20	5.0 x 20.0	0.1793	7	28.1	703	21.4	535	16.2	405	10--12	1 x 36 x 4	265
SSS 25 4C	25	4.0 x 25.0	0.1196	11	4.8	150	2.6	100	1	50	8--9	3/4 x 18 x 3	170
SSS 25 4G	25	4.0 x 25.0	0.1793	7	10.8	270	7.7	188	5.4	135	8--9	3/4 x 30 x 3	245
SSS 25 5C	25	5.0 x 25.0	0.1196	11	9.8	245	6.3	157	3.7	150	10--12	1 x 36 x 4	225
SSS 25 5G	25	5.0 x 25.0	0.1793	7	18.5	463	13.3	333	9.5	238	10--12	1 x 36 x 4	360
SSS 30 4G	30	4.0 x 30.0	0.1793	7	6.7	168	4.4	110	2.6	65	8--9	3/4 x 30 x 3	295
SSS 30 5C	30	5.0 x 30.0	0.1196	11	4.7	150	2	50	--	--	10--12	1 x 36 x 4	265
SSS 30 5G	30	5.0 x 30.0	0.1793	7	10.7	267	6.7	167	3.9	100	10--12	1 x 36 x 4	380
SSS 30 6G	30	6.0 x 30.0	0.1793	7	19	475	13.2	330	9	225	11--13	1 x 36 x 4	520
SSS 35 5G	35	5.0 x 35.0	0.1793	7	5.9	150	2.5	100	--	--	10--12	1 x 36 x 4	440
SSS 35 6G	35	6.0 x 35.0	0.1793	7	12.4	310	7.6	190	4.2	105	11--13	1 x 36 x 4	540
SSS 39 6G	39	6.0 x 39.0	0.1793	7	7.2	180	3	75	--	--	11--13	1 x 36 x 4	605

## BASE DETAIL



## POLE DATA

Shaft base size	Bolt circle A	Bolt projection B	Base square C	Template description	Anchor bolt description	Anchor bolt and template number
4"C	8-1/2"	2-3/4"-4"	8"	ABTEMPLATE PJ50004	AB18-0	ABSSS-4C
4"G	8-1/2"	2-3/4"-4"	8"	ABTEMPLATE PJ50004	AB30-0	ABSSS-4G
5"	10"-12"	3-3/8"-4"	11"	ABTEMPLATE PJ50010	AB36-0	ABSSS-5
6"	11"-13"	3-3/8"-4"	12-1/2"	ABTEMPLATE PJ50011	AB36-0	N/A

### IMPORTANT:

• These specifications are intended for general purposes only. Lithonia reserves the right to change material or design, without prior notice, in a continuing effort to upgrade its products.



ADDITIONAL #1	1	Date
		Revision /

GENERAL NOTES:  
 1. MATERIALS, FINISHES, AND OTHER NOTES ARE TO BE USED TO COMPLETE THE PROJECT.  
 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL, STATE, AND FEDERAL AUTHORITIES.  
 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL, STATE, AND FEDERAL AUTHORITIES.

**GENERAL NOTES**

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 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL, STATE, AND FEDERAL AUTHORITIES.

**OUTSIDE VENEER**

1. VENEER SHALL BE INSTALLED OVER A CONTINUOUS EXTERIOR INSULATION SYSTEM (EIS) WITH A WEATHER RESISTIVE BARRIER (WRB).  
 2. THE VENEER SHALL BE INSTALLED OVER A CONTINUOUS EXTERIOR INSULATION SYSTEM (EIS) WITH A WEATHER RESISTIVE BARRIER (WRB).

**30-YEAR DISCLAIMER**

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**ROCKWALL COLLEGE AND CAREER ACADEMY**

**ROCKWALL, TEXAS**

**FOR**

**ROCKWALL I.S.D.**

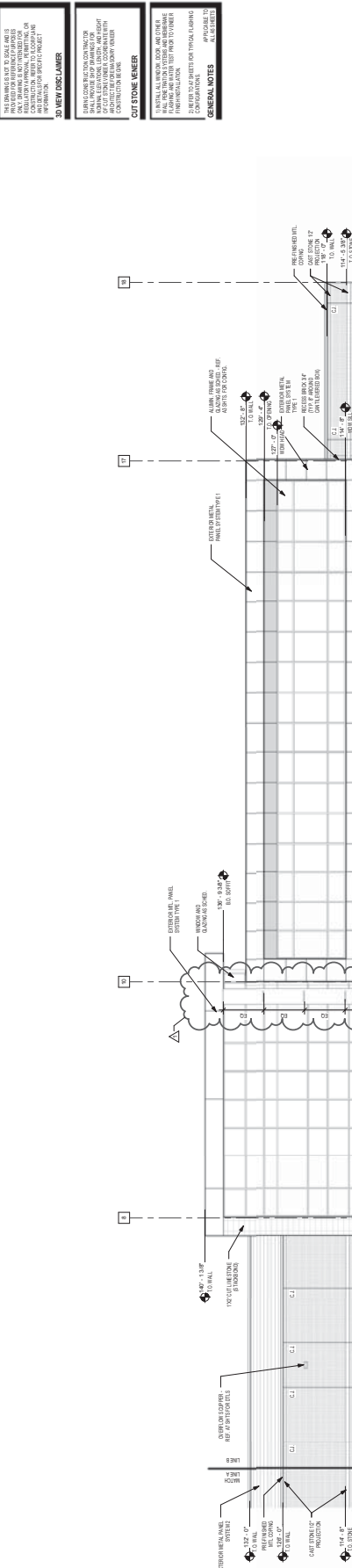
**Project**

**EXTERIOR ELEVATIONS**

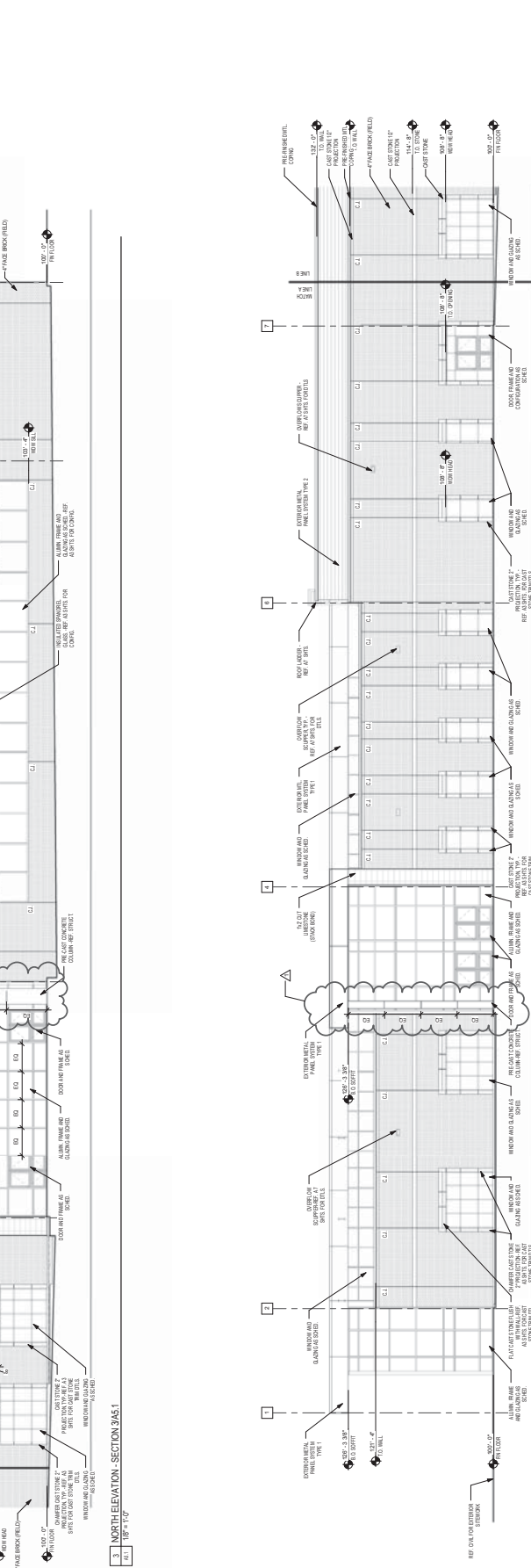
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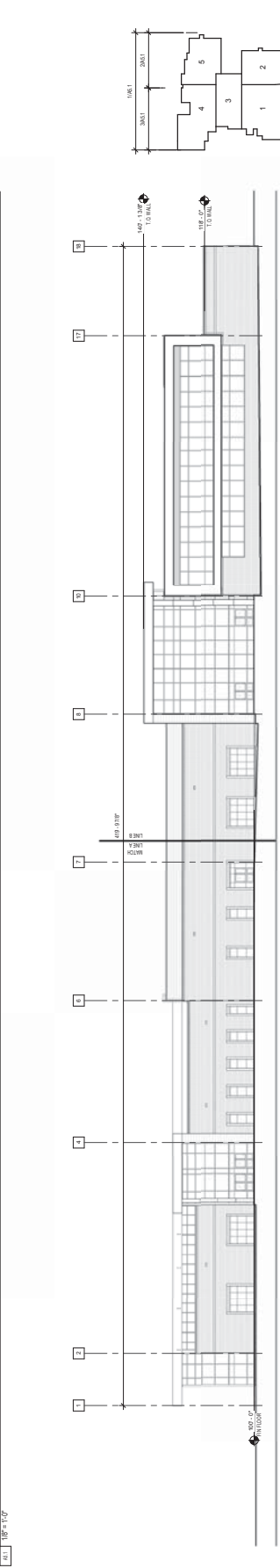
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**3. NORTH ELEVATION - SECTION 2/AS.1**  
 A.1. 1/8" = 1'-0"



**4. NORTH ELEVATION - SECTION 2/AS.1**  
 A.1. 1/8" = 1'-0"



**5. NORTH KEY ELEVATION**  
 A.1. 1/8" = 1'-0"



KEY PLAN - 1ST FLOOR

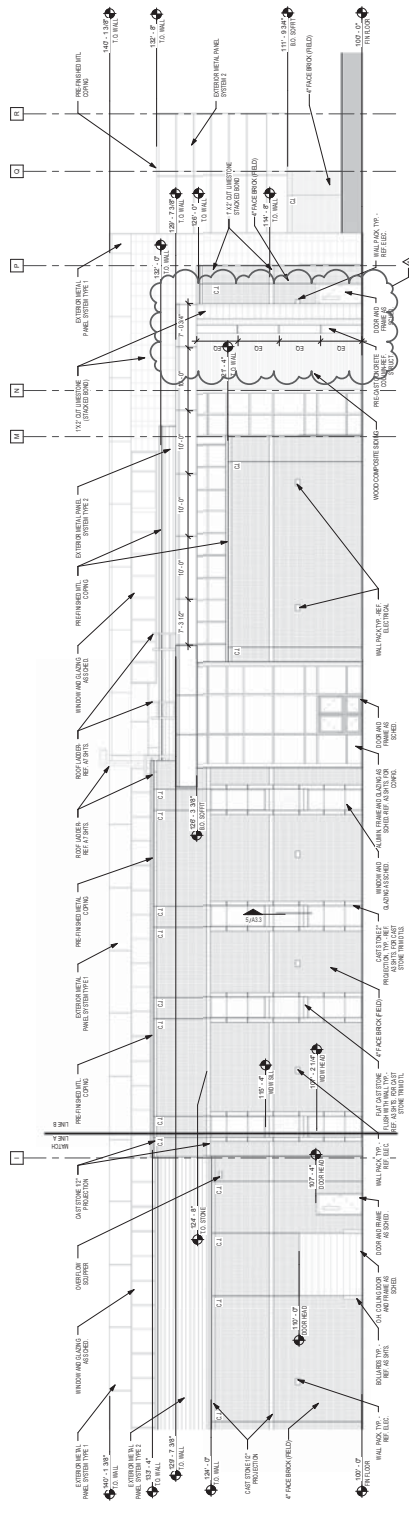


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Volume	EXTERIOR ELEVATIONS
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Checked By	...
Approved By	...

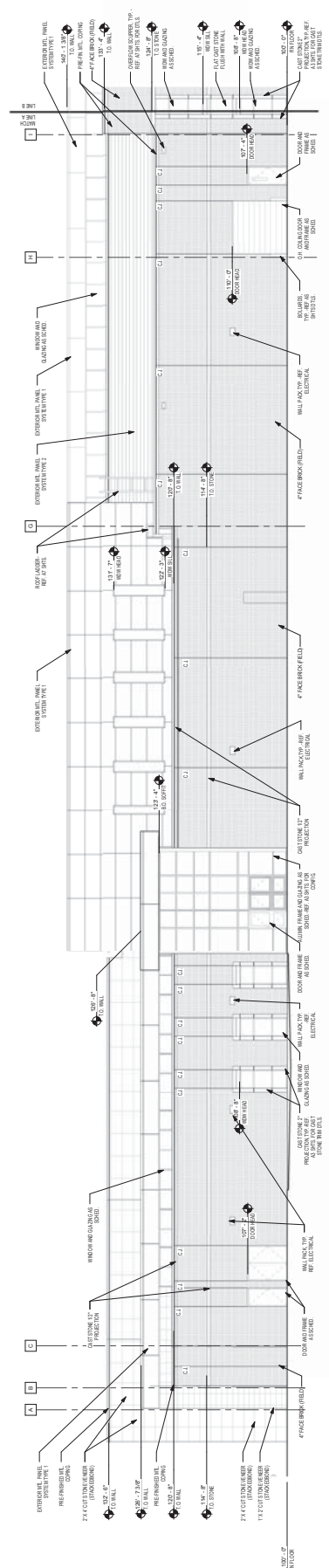
**3D VIEW DISCLAIMER**  
 3D RENDERINGS ARE FOR ILLUSTRATIVE PURPOSES ONLY AND SHOULD NOT BE USED FOR CONSTRUCTION. THE ARCHITECT ASSUMES NO LIABILITY FOR ANY ERRORS OR OMISSIONS IN THESE RENDERINGS. THE ARCHITECT'S RESPONSIBILITY IS TO PROVIDE ACCURATE 2D DRAWINGS AND SPECIFICATIONS. THE ARCHITECT DOES NOT WARRANT THE ACCURACY OF ANY 3D RENDERINGS.

**CONTRACTOR NOTES**  
 1. MATERIALS, FINISHES, COLORS AND OTHER QUALITY REQUIREMENTS SHALL BE AS SHOWN ON THE EXTERIOR ELEVATIONS AND SPECIFICATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL AUTHORITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE LOCAL AUTHORITIES.

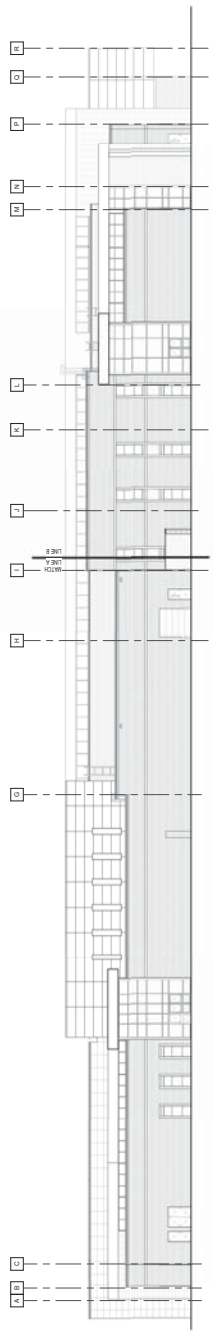
**GENERAL NOTES**  
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3. EAST ELEVATION SECTION 2A53  
 1/8" = 1'-0"



2. EAST ELEVATION SECTION 2A53  
 1/8" = 1'-0"



KEY PLAN - 1ST FLOOR

**Huckabee**  
 ARCHITECTURE  
 11111 ...  
 ROCKWALL, TEXAS

**Huckabee**  
 ARCHITECTURE  
 11000 WEST 11TH STREET, SUITE 100  
 ROCKWALL, TEXAS 75087  
 TEL: 972.967.8888  
 WWW.HUCKABEEARCHITECTS.COM

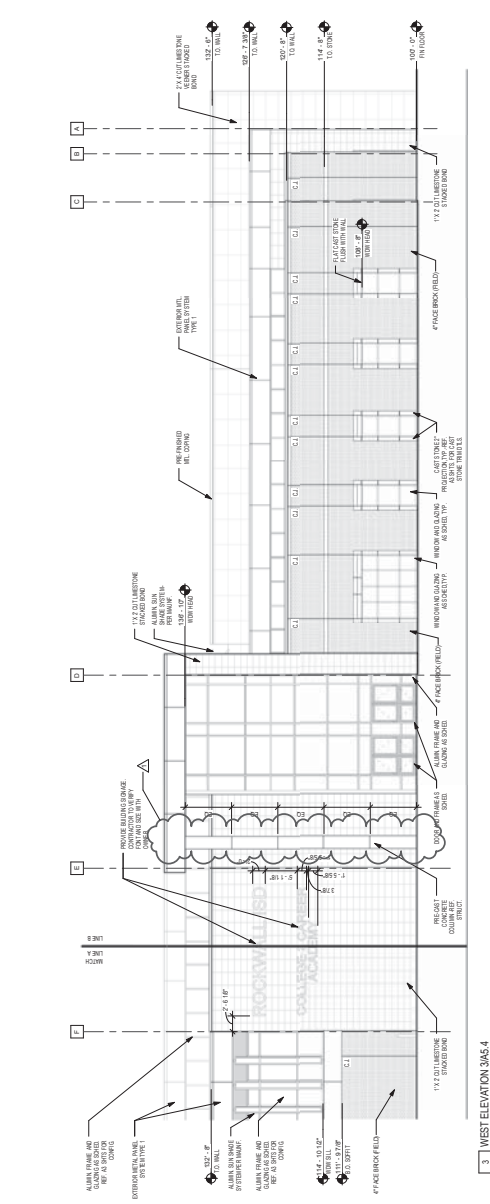
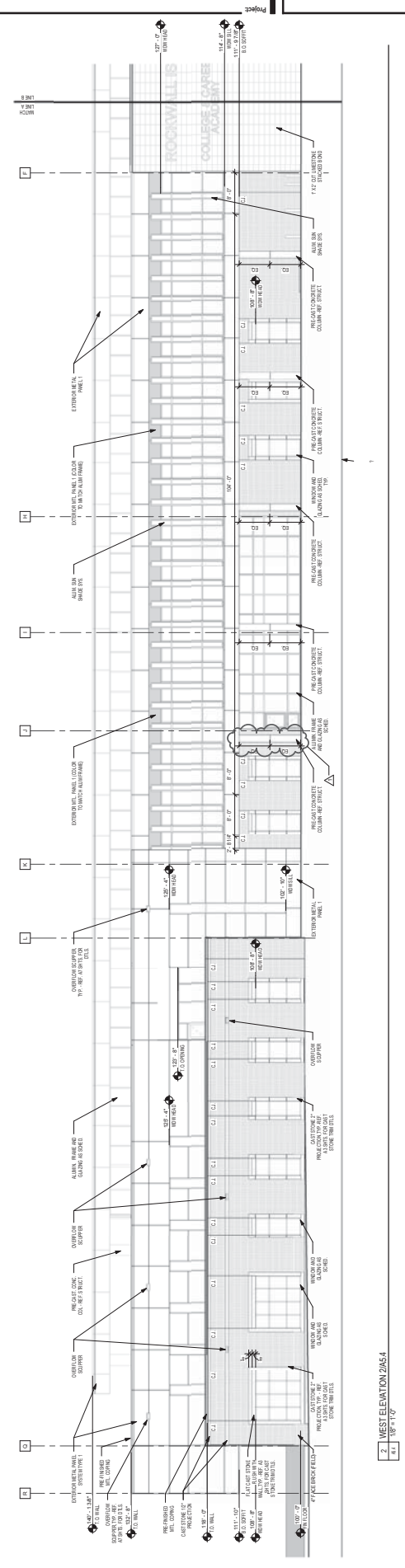
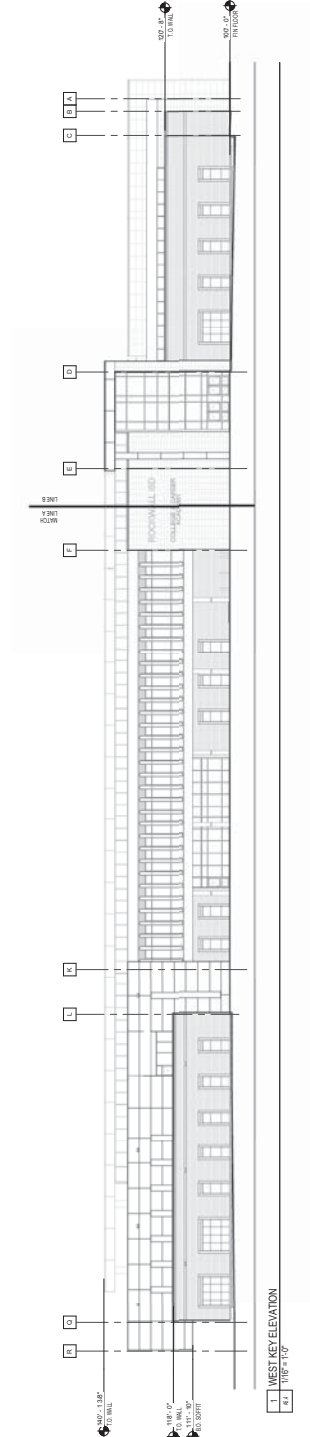
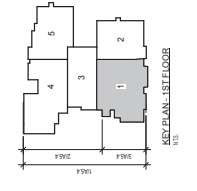
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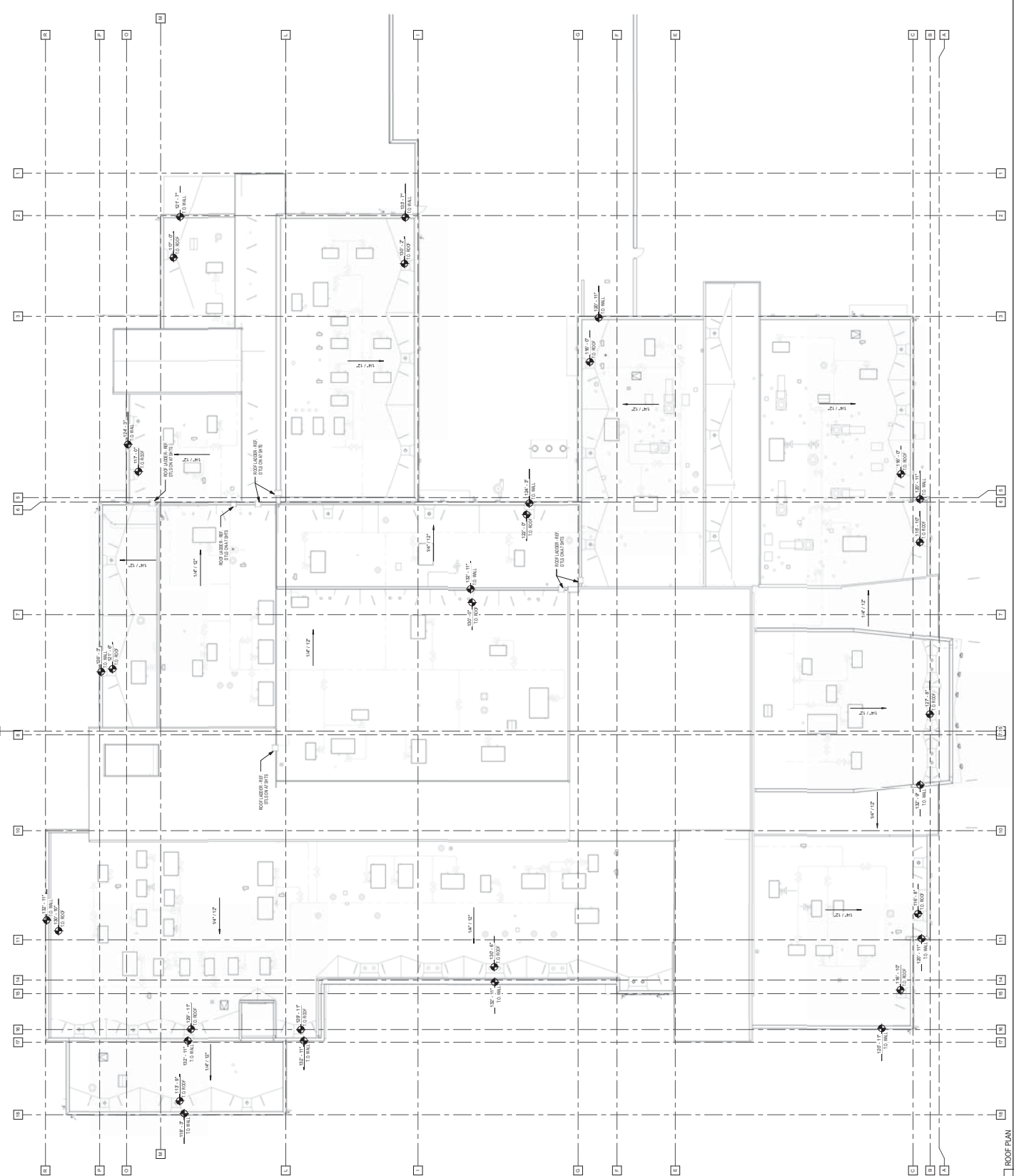
ROCKWALL COLLEGE AND CAREER ACADEMY  
 FOR  
 ROCKWALL I.S.D.  
 ROCKWALL, TEXAS

Revision / Date

1	11/01/18	ADDDENDUM #1
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- TYPICAL ROOF NOTES**
- 1. UNLESS OTHERWISE SPECIFIED, ROOF SYSTEMS SHALL BE PROVIDED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION AND MAINTENANCE REQUIREMENTS. ALL ROOF SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION AND MAINTENANCE REQUIREMENTS.
  - 2. PROVIDE PROTECTIVE FLASHING AT ALL ROOF PENETRATIONS. THE PROTECTIVE FLASHING SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION AND MAINTENANCE REQUIREMENTS.
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  - 5. PROVIDE PROTECTIVE FLASHING AT ALL ROOF PENETRATIONS. THE PROTECTIVE FLASHING SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION AND MAINTENANCE REQUIREMENTS.
  - 6. PROVIDE PROTECTIVE FLASHING AT ALL ROOF PENETRATIONS. THE PROTECTIVE FLASHING SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION AND MAINTENANCE REQUIREMENTS.
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1 ROOF PLAN  
1/8" = 1'-0"