







d"series

Specifications

Diameter: 8" Round (20.3 cm)

Height:

42" (106.7 cm)

Weight (max):

27 lbs (12.25 kg)



Catalog Number

Notes

Туре

Introduction

The D-Series LED Bollard is a stylish, energysaving, long-life solution designed to perform the way a bollard should—with zero uplight. An optical leap forward, this full cut-off luminaire will meet the most stringent of lighting codes. The D-Series LED Bollard's rugged construction, durable finish and long-lasting LEDs will provide years of maintenance-free service.

Ordering Information

EXAMPLE: DSXB LED 16C 700 40K SYM MVOLT DDBXD

| DSXB LED | | | | | | | | | |
|----------|---|---|--|---|--|--|---|---|--|
| Series | LEDs | Drive current | Color temperature | Distribution | Voltage | Control options | Other options | Finish (required) | |
| DSXB LED | Asymmetric 12C 12 LEDs¹ Symmetric 16C 16 LEDs² | 350 350 mA 450 450 mA ^{3,4} 530 530 mA 700 700 mA | 30K 3000 K 40K 4000 K 50K 5000 K AMBPC Amber phosphor converted AMBLW Amber limited wavelength 3.4 | ASY Asymmetric ¹ SYM Symmetric ² | MVOLT 5 120 5 208 5 240 5 277 5 347 4 | PE Photoelectric cell, button type DMG 0-10V dimming driver (no controls) ELCW Emergency battery backup ⁶ | Shipped installed SF Single fuse (120, 277, 347V) 47 DF Double fuse (208, 240V) 47 H24 24" overall height H30 30" overall height H36 36" overall height FG Ground-fault festoon outlet L/AB Without anchor bolts L/AB4 4-bolt retrofit base without anchor bolts 8 | DWHXD White DNAXD Natural aluminum DDBXD Dark bronze DBLXD Black DDBTXD Textured dark bronze DBLBXD Textured black DNATXD Textured natural aluminum DWHGXD Textured white | |

Accessories

MRAB U Anchor bolts for DSXB 8

NOTES

- Only available in the 12C, ASY version.
- Only available in the 16C, SYM version.
- Only available with 450 AMBLW version.
- Not available with ELCW.
- 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).
- Not available with 347V. Not available with fusing. Not available with 450 AMBLW.
- Single fuse (SF) requires 120, 277, or 347 voltage option. Double fuse (DF) requires 208 or 240 voltage option.
- MRAB U not available with L/AB4 option.



Performance Data

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%.

| Light | Drive | System | · | | | | | 4000 K | | | 5000 K | | | | | Limited Wavelength Amber | | | | | | |
|-------------------------|-----------|--------|--------|-----|---|---|---|--------|-----|---|--------|---|--------|-----|---|--------------------------|---|--------|-----|---|---|---|
| Engines | Current | Watts | Lumens | LPW | В | U | G | Lumens | LPW | В | U | G | Lumens | LPW | В | U | G | Lumens | LPW | | U | G |
| Asymmetric (12 LEDs) | 350 | 16 | 1,194 | 75 | 1 | 0 | 1 | 1,283 | 80 | 1 | 0 | 1 | 1,291 | 81 | 1 | 0 | 1 | | | | | |
| | 530 | 22 | 1,719 | 78 | 1 | 0 | 1 | 1,847 | 84 | 1 | 0 | 1 | 1,859 | 85 | 1 | 0 | 1 | | | | | |
| | 700 | 31 | 2,173 | 70 | 1 | 0 | 1 | 2,335 | 75 | 1 | 0 | 1 | 2,349 | 76 | 1 | 0 | 1 | | | | | |
| | Amber 450 | 16 | | | | | | | | | | | | | | | | 348 | 22 | 1 | 0 | 1 |
| | 350 | 20 | 1,558 | 78 | 1 | 0 | 0 | 1,674 | 84 | 1 | 0 | 0 | 1,685 | 84 | 1 | 0 | 0 | | | | | |
| Symmetric | 530 | 28 | 2,232 | 80 | 2 | 0 | 1 | 2,397 | 86 | 2 | 0 | 1 | 2,412 | 86 | 2 | 0 | 1 | | | | | |
| (16 LEDs) | 700 | 39 | 2,802 | 72 | 2 | 0 | 1 | 3,009 | 77 | 2 | 0 | 1 | 3,028 | 78 | 2 | 0 | 1 | | | | | |
| | Amber 450 | 20 | | | | | | | | | | | | | | | | 419 | 21 | 1 | 0 | 1 |

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.

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.

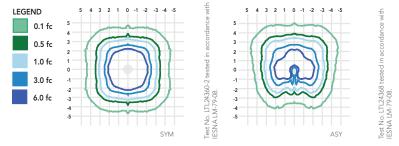
| Operating Hours | 0 | 25,000 | 50,000 | 100,000 |
|-----------------------------|------|--------|--------|---------|
| Lumen Maintenance Factor | 1.00 | 0.98 | 0.97 | 0.95 |

| Electr | ical Load | ł | Current (A) | | | | | | | | |
|------------------|-----------------------|-----------------|-------------|-------|-------|-------|-------|--|--|--|--|
| Light Engines | Drive Current (mA) | System Watts | 120 | 208 | 240 | 277 | 347 | | | | |
| | 350 | 16W | 0.158 | 0.118 | 0.114 | 0.109 | 0.105 | | | | |
| 120 | 530 | 22W | 0.217 | 0.146 | 0.136 | 0.128 | 0.118 | | | | |
| 120 | 700 | 31W | 0.296 | 0.185 | 0.168 | 0.153 | 0.139 | | | | |
| | Amber 450 | 16W | 0.161 | 0.120 | 0.115 | 0.110 | 0.106 | | | | |
| | 350 | 20W | 0.197 | 0.137 | 0.128 | 0.121 | 0.114 | | | | |
| 160 | 530 | 28W | 0.282 | 0.178 | 0.162 | 0.148 | 0.135 | | | | |
| 100 | 700 | 39W | 0.385 | 0.231 | 0.207 | 0.185 | 0.163 | | | | |
| | Amber 450 | 20W | 0.199 | 0.139 | 0.130 | 0.123 | 0.116 | | | | |

Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's D-Series Bollard homepage.

Isofootcandle plots for the DSXB LED 700 40K. Distances are in units of mounting height (3').



FEATURES & SPECIFICATIONS

INTENDED USE

The rugged construction and maintenance-free performance of the D-Series LED Bollard is ideal for illuminating building entryways, walking paths and pedestrian plazas, as well as any other location requiring a low-mounting-height light source.

CONSTRUCTION

One-piece 8-inch-round extruded aluminum shaft with thick side walls for extreme durability, and die-cast aluminum reflector and top cap. Die-cast aluminum mounting ring allows for easy leveling even in uneven areas and full 360-degree rotation for precise alignment during installation. Three ½" x 11" anchor bolts with double nuts and washers and 3-5/8" max. bolt circle template ensure stability. Overall height is 42" standard.

FINISH

Exterior parts are protected by a zinc-infused super durable TGIC thermoset powder coat finish that provides superior resistance to corrosion and weathering for maximum retention of gloss and luster. A tightly controlled multi-stage process ensures a minimum 3-mil thickness for a finish that can withstand the elements without cracking or peeling. Available in both textured and non-textured finishes.

OPTICS

Two 0% uplight optical distributions are available: symmetrical and asymmetrical. IP66 sealed LED light engine provides smoothly graduated illumination without uplight. Light engines are available in standard 4000 K (>70 CRI) or optional 3000 K (>80 CRI) or 5000 K (67 CRI). Limited-wavelength amber LEDs are also available.

ELECTRICAL

Light engines consist of high-efficacy LEDs mounted to metal-core circuit boards to maximize heat dissipation and promote long life (L95/100,000 hours at 700mA at 25°C). Class 2 electronic drivers are designed for an expected life of 100,000 hours with < 1% failure rate. Electrical components are mounted on a removable power tray.

LISTINGS

CSA certified to U.S. and Canadian standards. Light engines are IP66 rated. Rated for -40°C minimum ambient. Cold-weather emergency battery backup rated for -20°C minimum ambient.

WARRANTY

Five-year limited warranty. Complete warranty terms located at: 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-Series Size 1 LED Wall Luminaire







d"series

Specifications

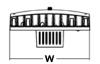
Luminaire

Width: 13-3/4" Weight: 12 lbs (5.4 kg)

Depth: 10"

(25.4 cm)

Height: 6-3/8"



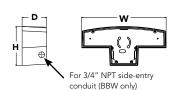


Back Box (BBW, ELCW)

 Width:
 13-3/4" (34.9 cm)
 BBW Weight:
 5 lbs (2.3 kg)

 Depth:
 4" ELCW (10.2 cm)
 10 lbs Weight:
 (4.5 kg)

Height: 6-3/8" (16.2 cm)



Catalog Number

Notes

Туре

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

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 74% in energy savings over comparable 250W metal halide luminaires, the D-Series Wall is a reliable, low-maintenance lighting solution that produces sites that are exceptionally illuminated.

Ordering Information

EXAMPLE: DSXW1 LED 20C 1000 40K T3M MVOLT DDBTXD

| DSXW1 LED | | | | | | | | | |
|-----------|--|---|--|---|--|--|---|--|--|
| Series | LEDs | Drive Current | Color temperature | Distribution | Voltage | Mounting | Control Options | | |
| DSXW1 LED | 10C 10 LEDs (one engine) 20C 20 LEDs (two engines) 1 | 350 350 mA 530 530 mA 700 700 mA 1000 1000 mA (1 A) ¹ | 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 ² 120 ³ 208 ³ 240 ³ 277 ³ 347 ^{3,4} 480 ^{3,4} | Shipped included (blank) Surface mounting bracket BBW Surface- mounted back box (for conduit entry) 5 | PE Photoelectric cell, button type ⁶ DMG 0-10v dimming wires pulled outside fixture (for use with an external control, ordered separately) PIR 180° motion/ambient light sensor, <15′ mtg ht ^{1,7} PIRH 180° motion/ambient light sensor, 15-30′ mtg ht ^{1,7} PIRHFC3V Motion/ambient sensor, 8-15′ mounting height, ambient sensor enabled at 1fc ^{1,7} PIRH1FC3V Motion/ambient sensor, 15-30′ mounting height, ambient sensor enabled at 1fc ^{1,7} ELCW Emergency battery backup (includes external component enclosure), CA Title 20 Noncompliant ^{8,9} | | |

| Other (| Other Options | | | | inish (required) | | | | | | | |
|--------------------------------|--|---------------------------------|--|----------------------------------|---|-------------------------------------|--|------------------|--------------------------------------|--|--|--|
| Shipp SF DF HS SPD | ed installed Single fuse (120, 277 or 347V) 3.10 Double fuse (208, 240 or 480V) 3.10 House-side shield 11 Separate surge protection 12 | Shipp BSW WG VG DDL | ed separately ¹¹ Bird-deterrent spikes Wire guard Vandal guard Diffused drop lens | DDBXD DBLXD DNAXD DWHXD | Dark bronze Black Natural aluminum White | DSSXD DDBTXD DBLBXD DNATXD | Sandstone Textured dark bronze Textured black Textured natural aluminum | DWHGXD DSSTXD | Textured white Textured sandstone | | | |

Accessories

Ordered and shipped separately

DSXWHS U House-side shield (one per light engine)

DSXWBSW U Bird-deterrent spikes

DSXWBSW U Bird-deterrent spikes
DSXW1WG U Wire guard accessory
DSXW1VG U Vandal guard accessory

NOTES

- 1 20C 1000 is not available with PIR, PIRH, PIR1FC3V or PIRH1FC3V.
- $2\,$ MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
- 3 Single fuse (SF) requires 120, 277 or 347 voltage option. Double fuse (DF) requires 208, 240 or 480 voltage option.
- 4 Only available with 20C, 700mA or 1000mA. Not available with PIR or PIRH.
- $5\quad \text{Back box ships installed on fixture. Cannot be field installed. Cannot be ordered as an accessory.}$
- 6 Photocontrol (PE) requires 120, 208, 240, 277 or 347 voltage option. Not available with motion/ambient light sensors (PIR or PIRH).
- 7 Reference Motion Sensor table on page 3.
- 8 Cold weather (-20C) rated. Not compatible with conduit entry applications. Not available with BBW mounting option. Not available with fusing. Not available with 347 or 480 voltage options. Emergency components located in back box housing. Emergency mode IES files located on product page at www.lithonia.com
- 9 Not available with SPD.
- 10 Not available with ELCW.
- 11 Also available as a separate accessory; see Accessories information.
- 12 Not available with ELCW.



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.

| | Drive | System | Dist. | 3 | OK (30 | 00 K, 7 | OCRI) | | 4 | OK (40 | 00 K, 7 | OCRI) | | | 50K (50 | 000 K, 70 | CRI) | | AMBP | C (Amber | Phospho | r Convert | ed) |
|------------|-----------------|--------|---------------|----------------|--------|---------|-------|------------|----------------|--------|---------|-------|------------|----------------|---------|-----------|------|------------|----------------|----------|---------|-----------|----------|
| LEDs | Current (mA) | Watts | Туре | Lumens | В | U | G | LPW | Lumens | В | U | G | LPW | Lumens | В | U | G | LPW | Lumens | | U | G | LPW |
| | | | T2S | 1,415 | 0 | 0 | 1 | 109 | 1,520 | 0 | 0 | 1 | 117 | 1,530 | 0 | 0 | 1 | 118 | 894 | 0 | 0 | 1 | 69 |
| | | | T2M | 1,349 | 0 | 0 | 1 | 104 | 1,448 | 0 | 0 | 1 | 111 | 1,458 | 0 | 0 | 1 | 112 | 852 | 0 | 0 | 1 | 66 |
| | 350mA | 13W | T3S T3M | 1,399 1,385 | 0 | 0 | 1 | 108 | 1,503 1,488 | 0 | 0 | 1 | 116 114 | 1,512 1,497 | 0 | 0 | 1 | 116 | 884 876 | 0 | 0 | 1 | 68 |
| | John | 15** | T4M | 1,357 | 0 | 0 | 1 | 104 | 1,458 | 0 | 0 | 1 | 112 | 1,467 | 0 | 0 | 1 | 113 | 858 | 0 | 0 | 1 | 66 |
| | | | TFTM | 1,411 | 0 | 0 | 1 | 109 | 1,515 | 0 | 0 | 1 | 117 | 1,525 | 0 | 0 | 1 | 117 | 892 | 0 | 0 | 1 | 69 |
| | | | ASYDF | 1,262 | 1 | 0 | 1 | 97 | 1,354 | 1 | 0 | 1 | 104 | 1,363 | 1 | 0 | 1 | 105 | 797 | 0 | 0 | 1 | 61 |
| | | | T2S | 2,053 | 1 | 0 | 1 | 108 | 2,205 | 1 | 0 | 1 | 116 | 2,220 | 1 | 0 | 1 | 117 | 1,264 | 0 | 0 | 1 | 67 |
| | | | T2M T3S | 1,957 2,031 | 1 | 0 | 1 | 103 | 2,102 | 1 | 0 | 1 | 111 115 | 2,115 2,194 | 1 | 0 | 1 | 111 | 1,205 | 0 | 0 | 1 | 63 |
| | 530 mA | 19W | T3M | 2,031 | 1 | 0 | 1 | 107 | 2,181 2,159 | 1 | 0 | 1 | 114 | 2,194 | 1 | 0 | 1 | 114 | 1,250 1,237 | 0 | 0 | 1 | 66 |
| | JJUIIIA | 1200 | T4M | 1,970 | 1 | 0 | 1 | 104 | 2,115 | 1 | 0 | 1 | 111 | 2,172 | 1 | 0 | 1 | 112 | 1,212 | 0 | 0 | 1 | 64 |
| 10C | | | TFTM | 2,047 | 0 | 0 | 1 | 108 | 2,198 | 1 | 0 | 1 | 116 | 2,212 | 1 | 0 | 1 | 116 | 1,260 | 0 | 0 | 1 | 66 |
| | | | ASYDF | 1,831 | 1 | 0 | 1 | 96 | 1,966 | 1 | 0 | 1 | 103 | 1,978 | 1 | 0 | 1 | 104 | 1,127 | 0 | 0 | 1 | 59 |
| (10 LEDs) | | | T2S | 2,623 | 1 | 0 | 1 | 101 | 2,816 | 1 | 0 | 1 | 108 | 2,834 | 1 | 0 | 1 | 109 | 1,544 | 0 | 0 | 1 | 59 |
| (IU LEDS) | | | T2M | 2,499 | 1 | 0 | 1 | 96 | 2,684 | 1 | 0 | 1 | 103 | 2,701 | 1 | 0 | 1 | 104 | 1,472 | 0 | 0 | 1 | 57 |
| | 700 mA | 26W | T3S T3M | 2,593 2,567 | 1 | 0 | 1 | 100 99 | 2,785 2,757 | 1 | 0 | 1 | 107 106 | 2,802 2,774 | 1 | 0 | 1 | 108 | 1,527 1,512 | 0 | 0 | 1 | 59 |
| | 700 IIIA | 2011 | T4M | 2,515 | 1 | 0 | 1 | 97 | 2,701 | 1 | 0 | 1 | 104 | 2,718 | 1 | 0 | 1 | 107 | 1,481 | 0 | 0 | 1 | 57 |
| | | | TFTM | 2,614 | 1 | 0 | 1 | 101 | 2,808 | 1 | 0 | 1 | 108 | 2,825 | 1 | 0 | 1 | 109 | 1,539 | 0 | 0 | 1 | 59 |
| | | | ASYDF | 2,337 | 1 | 0 | 1 | 90 | 2,510 | 1 | 0 | 1 | 97 | 2,525 | 1 | 0 | 1 | 97 | 1,376 | 1 | 0 | 1 | 53 |
| | | | T2S | 3,685 | 1 | 0 | 1 | 94 | 3,957 | 1 | 0 | 1 | 101 | 3,982 | 1 | 0 | 1 | 102 | 2,235 | 1 | 0 | 1 | 57 |
| | | | T2M | 3,512 | 1 | 0 | 1 | 90 | 3,771 | 1 | 0 | 1 | 97 | 3,794 | 1 | 0 | 1 | 97 | 2,130 | 1 | 0 | 1 | 55 |
| | 1000 mA | 39W | T3S T3M | 3,644 3,607 | 1 | 0 | 1 | 93 | 3,913 | 1 | 0 | 1 | 100 99 | 3,938 | 1 | 0 | 1 | 101 | 2,210 | 1 | 0 | 1 | 57 |
| | 1000 IIIA | 3900 | T4M | 3,534 | 1 | 0 | 2 | 91 | 3,873 3,796 | 1 | 0 | 2 | 99 | 3,898 3,819 | 1 | 0 | 2 | 98 | 2,187 2,143 | 1 | 0 | 1 | 56 55 |
| | | | TFTM | 3,673 | 1 | 0 | 1 | 94 | 3,945 | 1 | 0 | 1 | 101 | 3,969 | 1 | 0 | 1 | 102 | 2,143 | 1 | 0 | 1 | 57 |
| | | | ASYDF | 3,284 | 1 | 0 | 2 | 84 | 3,527 | 1 | 0 | 2 | 90 | 3,549 | 1 | 0 | 2 | 91 | 1,992 | 1 | 0 | 1 | 51 |
| | | | T2S | 2,820 | 1 | 0 | 1 | 123 | 3,028 | 1 | 0 | 1 | 132 | 3,047 | 1 | 0 | 1 | 132 | 1,777 | 1 | 0 | 1 | 77 |
| | | | T2M | 2,688 | 1 | 0 | 1 | 117 | 2,886 | 1 | 0 | 1 | 125 | 2,904 | 1 | 0 | 1 | 126 | 1,693 | 1 | 0 | 1 | 74 |
| | 350 . | 2211 | T3S | 2,789 | 1 | 0 | 1 | 121 | 2,994 | 1 | 0 | 1 | 130 | 3,014 | 1 | 0 | 1 | 131 | 1,757 | 0 | 0 | 1 | 76 |
| | 350mA | 23W | T3M T4M | 2,760 2,704 | 1 | 0 | 1 | 120 118 | 2,965 | 1 | 0 | 1 | 129 126 | 2,983 | 1 | 0 | 1 | 130 | 1,739 | 1 | 0 | 1 1 | 76 |
| | | | TFTM | 2,704 | 1 | 0 | 1 | 122 | 2,905 3,019 | 1 | 0 | 1 | 131 | 2,922 3,038 | 1 | 0 | 1 | 132 | 1,704 1,771 | 0 | 0 | 1 | 74 |
| | | | ASYDF | 2,514 | 1 | 0 | 1 | 109 | 2,699 | 1 | 0 | 1 | 117 | 2,716 | 1 | 0 | 1 | 118 | 1,584 | 1 | 0 | 1 | 69 |
| | | | T2S | 4,079 | 1 | 0 | 1 | 117 | 4,380 | 1 | 0 | 1 | 125 | 4,407 | 1 | 0 | 1 | 126 | 2,504 | 1 | 0 | 1 | 72 |
| | | | T2M | 3,887 | 1 | 0 | 1 | 111 | 4,174 | 1 | 0 | 1 | 119 | 4,201 | 1 | 0 | 1 | 120 | 2,387 | 1 | 0 | 1 | 68 |
| | | | T3S | 4,033 | 1 | 0 | 1 | 115 | 4,331 | 1 | 0 | 1 | 124 | 4,359 | 1 | 0 | 1 | 125 | 2,477 | 1 | 0 | 1 | 71 |
| | 530 mA | 35W | T3M | 3,993 | 1 | 0 | 2 | 114 | 4,288 | 1 | 0 | 2 | 123 | 4,315 | 1 | 0 | 2 | 123 | 2,451 | 1 | 0 | 1 | 70 |
| 206 | | | T4M TFTM | 3,912 4,066 | 1 | 0 | 2 | 112 116 | 4,201 4,366 | 1 | 0 | 2 | 120 125 | 4,227 4,394 | 1 | 0 | 2 | 121 126 | 2,402 2,496 | 1 | 0 | 1 | 69 71 |
| 20C | | | ASYDF | 3,636 | 1 | 0 | 2 | 104 | 3,904 | 1 | 0 | 2 | 1123 | 3,928 | 1 | 0 | 2 | 1120 | 2,490 | 1 | 0 | 1 | 64 |
| | | | T2S | 5,188 | 1 | 0 | 1 | 113 | 5,572 | 1 | 0 | 1 | 121 | 5,607 | 1 | 0 | 1 | 122 | 3,065 | 1 | 0 | 1 | 67 |
| (20 LEDs) | | | T2M | 4,945 | 1 | 0 | 2 | 108 | 5,309 | 1 | 0 | 2 | 115 | 5,343 | 1 | 0 | 2 | 116 | 2,921 | 1 | 0 | 1 | 64 |
| | | | T3S | 5,131 | 1 | 0 | 2 | 112 | 5,510 | 1 | 0 | 2 | 120 | 5,544 | 1 | 0 | 2 | 121 | 3,031 | 1 | 0 | 1 | 66 |
| | 700 mA | 46W | T3M | 5,078 | 1 | 0 | 2 | 110 | 5,454 | 1 | 0 | 2 | 119 | 5,487 | 1 | 0 | 2 | 119 | 3,000 | 1 | 0 | 1 | 65 |
| | | | T4M | 4,975 | 1 | 0 | 2 | 108 | 5,343 | 1 | 0 | 2 | 116 | 5,376 | 1 | 0 | 2 | 117 | 2,939 | 1 | 0 | 1 | 64 |
| | | | TFTM ASYDF | 5,172 4,624 | 1 | 0 | 2 | 112 | 5,554 4,965 | 1 | 0 | 2 | 121 108 | 5,589 4,996 | 1 | 0 | 2 | 122 | 3,055 2,732 | 1 | 0 | 1 | 59 |
| | | | T2S | 7,204 | 1 | 0 | 2 | 99 | 7,736 | 2 | 0 | 2 | 106 | 7,784 | 2 | 0 | 2 | 107 | 4,429 | 1 | 0 | 1 | 61 |
| | | | T2M | 6,865 | 1 | 0 | 2 | 94 | 7,373 | 2 | 0 | 2 | 101 | 7,419 | 2 | 0 | 2 | 102 | 4,221 | 1 | 0 | 1 | 58 |
| | | | T3S | 7,125 | 1 | 0 | 2 | 98 | 7,651 | 1 | 0 | 2 | 105 | 7,698 | 1 | 0 | 2 | 105 | 4,380 | 1 | 0 | 1 | 60 |
| | 1000 mA | 73W | T3M | 7,052 | 1 | 0 | 2 | 97 | 7,573 | 2 | 0 | 2 | 104 | 7,620 | 2 | 0 | 2 | 104 | 4,335 | 1 | 0 | 2 | 59 |
| | | | T4M | 6,909 | 1 | 0 | 2 | 95 | 7,420 | 1 | 0 | 2 | 102 | 7,466 | 1 | 0 | 2 | 102 | 4,248 | 1 | 0 | 2 | 58 |
| | | | TFTM | 7,182 | 1 | 0 | 2 | 98 | 7,712 | 1 | 0 | 3 | 106 | 7,761 | 1 | 0 | 2 | 106 | 4,415 | 1 | 0 | 2 | 60 |
| | | | ASYDF | 6,421 | 2 | 0 | 2 | 88 | 6,896 | 2 | 0 | 3 | 94 | 6,938 | 2 | 0 | 3 | 95 | 3,947 | | 0 | 2 | 54 |



Lumen Ambient Temperature (LAT) Multipliers

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

| Amb | pient | Lumen Multiplier |
|------|-------|------------------|
| 0°C | 32°F | 1.02 |
| 10°C | 50°F | 1.01 |
| 20°C | 68°F | 1.00 |
| 25°C | 77°F | 1.00 |
| 30°C | 86°F | 1.00 |
| 40°C | 104°F | 0.98 |

Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the **DSXW1 LED 20C 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 | 0.93 | 0.88 |

Electrical Load

| | | | | | Curre | nt (A) | | |
|------|-----------------------|-----------------|------|------|-------|--------|------|------|
| LEDs | Drive Current (mA) | System Watts | 120V | 208V | 240V | 277V | 347V | 480V |
| | 350 | 14 W | 0.13 | 0.07 | 0.06 | 0.06 | - | - |
| 10C | 530 | 20 W | 0.19 | 0.11 | 0.09 | 0.08 | - | - |
| 100 | 700 | 27 W | 0.25 | 0.14 | 0.13 | 0.11 | - | - |
| | 1000 | 40 W | 0.37 | 0.21 | 0.19 | 0.16 | - | - |
| | 350 | 24 W | 0.23 | 0.13 | 0.12 | 0.10 | - | - |
| 20C | 530 | 36 W | 0.33 | 0.19 | 0.17 | 0.14 | - | - |
| 200 | 700 | 47 W | 0.44 | 0.25 | 0.22 | 0.19 | 0.15 | 0.11 |
| | 1000 | 74 W | 0.69 | 0.40 | 0.35 | 0.30 | 0.23 | 0.17 |

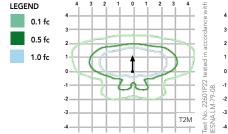
| Motion Sensor Default Settings | | | | | | | | | | | |
|--------------------------------|-----------------|--------------------------------|------------------------|---------------|-----------------|-------------------|--|--|--|--|--|
| Option | Dimmed State | High Level (when triggered) | Photocell Operation | Dwell Time | Ramp-up Time | Ramp-down Time | | | | | |
| *PIR or PIRH | 3V (37%) Output | 10V (100%) Output | Enabled @ 5FC | 5 min | 3 sec | 5 min | | | | | |
| PIR1FC3V or PIRH1FC3V | 3V (37%) Output | 10V (100%) Output | Enabled @ 1FC | 5 min | 3 sec | 5 min | | | | | |

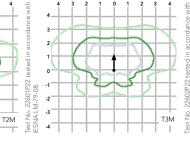
^{*}for use with Inline Dusk to Dawn or timer

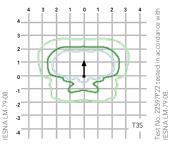
Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's D-Series Wall Size 1 homepage.

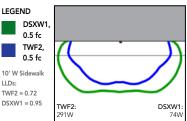
Isofootcandle plots for the DSXW1 LED 20C 1000 40K. Distances are in units of mounting height (15').







Distribution overlay comparison to 250W metal halide.



DSXW1 LED 20C 40K 1000 T3M, TWF2 250M Pulse, 15' Mounting Ht

Options and Accessories











LLDs: TWF2 = 0.72



T3M (left), ASYDF (right) lenses

HS - House-side shields

BSW - Bird-deterrent spikes

WG - Wire guard

VG - Vandal guard

DDL - Diffused drop lens

FEATURES & SPECIFICATIONS

The energy savings, long life and easy-to-install design of the D-Series Wall Size 1 make it the smart choice for building-mounted doorway and pathway illumination for nearly any facility.

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).

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.

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.

Light engine(s) consist of 10 high-efficacy LEDs mounted to a metal-core circuit board to maximize heat dissipation and promote long life (L88/100,000 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/QPL to confirm which versions are qualified.

WARRANTY

Five-year limited warranty. Complete warranty terms located at:

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.



Plan View
Scale - 1" = 16ft

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**\dots 0.0 | *\dots 0.0 | *\do

*0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.1 | *0.2 | *0.4 | *0.5

**\dots 0.0 | *\dots 0.1 \dots \dots 2.6 | *\dots 0.0 | *

| [†]0.0 | [†]0.1 | [†]8.2 | [†]0.4 | [†]0.5 |

*0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.1 | *0.5 | *3.0 | *6.1 | *4|9

| [†]0.0 | [†]0.0 | [†]0.0 | [†]0.0 | <u>†0.0 | †0.0 | †0.0 | †0.0 |</u>†0.0 | †0.0 | †0.0 | †0.0 | <u>†0.0 | †0.0 | †0.1 | </u>†0.6 | †<u>5.</u>7 | [†]20.1 | **†1**.

| [↑]0.0 |

| *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 |

*0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.1 | *0.5 | *3.0 | *6.1

**\begin{pmatrix} \ \^{\dagger}0.0 \ \^{

| *0.0 | *0.0 | *0.0 | *0.0 | <u>*0.0 | *0.0 | *0.0 | *0.0 |</u>*0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.1 | ***\0.6** | ***5.6** | ***20.1** |

| [†]0.0 | [†]0.1 | [†]0.5 | [†]2.6 | [†]5.0 | [†]0.0 | [†]0.1 |

*0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0.0 | *0

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Designer

Date
11/7/2019
Scale
Not to Scale
Drawing No.

Summary