



D-Series Size 1 LED Wall Luminaire



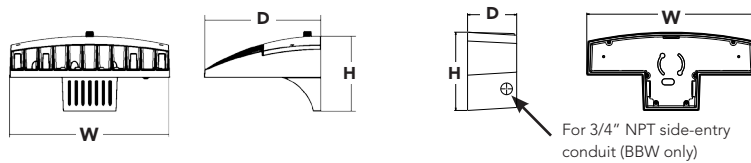
d#series

Specifications Luminaire

| | | | |
|----------------|----------------------|----------------|--------------------|
| Width: | 13-3/4" (34.9 cm) | Weight: | 12 lbs (5.4 kg) |
| Depth: | 10" (25.4 cm) | | |
| Height: | 6-3/8" (16.2 cm) | | |

Back Box (BBW, ELCW)

| | | | |
|----------------|----------------------|---------------------|--------------------|
| Width: | 13-3/4" (34.9 cm) | BBW Weight: | 5 lbs (2.3 kg) |
| Depth: | 4" (10.2 cm) | ELCW Weight: | 10 lbs (4.5 kg) |
| Height: | 6-3/8" (16.2 cm) | | |



| |
|----------------|
| Catalog Number |
| Notes |
| Type |

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 DBBTD

| DSXW1 LED | | | | | | | | | | | | | | | | | | | | |
|-----------|-----------------------------|---------------------|------------------|-------------------|--------------------------|---------------------------|------------------|--|---|---|--|--------------------|--|--|--|--|-----------------------------------|--|---|--|
| Series | LEDs | Drive Current | | Color temperature | | Distribution | | Voltage | Mounting | Control Options | Other Options | Finish (required) | | | | | | | | |
| DSXW1 LED | 10C 10 LEDs (one engine) | 350 | 350 mA | 30K | 3000 K | T2S | Type II | MVOLT ¹ | Shipped included (blank) Surface mounting bracket | Shipped installed PE Photoelectric cell, button type ⁴ | Shipped installed SF Single fuse (120, 277 or 347V) ⁷ | DDBXD | Dark bronze | | | | | | | |
| | | | | 40K | 4000 K | | Short | | | | | | | DBLXD | Black | | | | | |
| | | 700 | 700 mA | 50K | 5000 K | T2M | Type II | | | | | 208 ¹ | BBW Surface-mounted back box (for conduit entry) ³ | DMG 0-10V dimming driver (no controls) | DF Double fuse (208, 240 or 480V) ⁷ | DNAXD | Natural aluminum | | | |
| | | 1000 | 1000 mA (1 A) | AMBPC | Amber phosphor converted | T3S | Type III | | | | | 240 ¹ | | | | PIR 180° motion/ambient light sensor, <15' mtg ht ⁵ | HS House-side shield ⁸ | SPD Separate surge protection ⁹ | DWHXD | White |
| | | | | | | T3M | Type III | | | | | 277 ¹ | | | | | | | PIRH 180° motion/ambient light sensor, 15-30' mtg ht ⁵ | Shipped separately BSW Bird-deterrent spikes |
| | T4M | | | | | Type IV | 347 ² | ELCW Emergency battery backup (includes external component enclosure) ⁹ | VDL Vandal guard | DBBTD | Textured dark bronze | | | | | | | | | |
| | TFTM | Forward Throw | 480 ² | DDBTXD | DBLTXD | Textured black | | | | | | | | | | | | | | |
| | ASVDF | Asym-metric diffuse | | | DNATXD | Textured natural aluminum | | | | | | | | | | | | | | |
| | | | | | | | DWHGXD | | | Textured white | | | | | | | | | | |
| | | | | | | | DSSTXD | | | Textured sandstone | | | | | | | | | | |
| | | | | | | | | | | | DDL | Diffused drop lens | | | | | | | | |

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).
- Only available with 20C, 700mA or 1000mA. Not available with PIR or PIRH.
- Back box ships installed on fixture. Cannot be field installed. Cannot be ordered as an accessory.
- Photocontrol (PE) requires 120, 208, 240, 277 or 347 voltage option. Not available with motion/ambient light sensors (PIR or PIRH).
- PIR specifies the Sensor Switch SBGR-10-ODP control; PIRH specifies the Sensor Switch SBGR-6-ODP control; see Motion Sensor Guide for details. Includes ambient light sensor. Not available with "PE" option (button type photocell). Dimming driver standard. Not available with 20 LED/1000 mA configuration (DSXW1 LED 20C 1000).
- Cold weather (-20C) rated. Not compatible with conduit entry applications. Not available with BBW mounting option. Not available with fusing. Emergency components located in back box housing. Emergency mode IES files located on product page at www.lithonia.com
- Single fuse (SF) requires 120, 277 or 347 voltage option. Double fuse (DF) requires 208, 240 or 480 voltage option. Not available with ELCW.
- Also available as a separate accessory; see Accessories information.
- See the electrical section on page 3 for more details.

Accessories

Ordered and shipped separately.

| | |
|-----------|--|
| DSXWHS U | House-side shield (one per light engine) |
| DSXWBSW U | Bird-deterrent spikes |
| DSXW1WG U | Wire guard accessory |
| DSXW1VG U | Vandal guard accessory |



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.

| 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 | |
| 10C (10 LEDs) | 530mA | 20W | T2S | 1,843 | 1 | 0 | 1 | 92 | 1,956 | 1 | 0 | 1 | 98 | 1,729 | 1 | 0 | 1 | 86 | 1,264 | 0 | 0 | 1 | 63 | |
| | | | T2M | 1,756 | 1 | 0 | 1 | 88 | 1,864 | 1 | 0 | 1 | 93 | 1,648 | 1 | 0 | 1 | 82 | 1,205 | 0 | 0 | 1 | 60 | |
| | | | T3S | 1,822 | 0 | 0 | 1 | 91 | 1,934 | 0 | 0 | 1 | 97 | 1,710 | 0 | 0 | 1 | 86 | 1,250 | 0 | 0 | 1 | 63 | |
| | | | T3M | 1,804 | 1 | 0 | 1 | 90 | 1,914 | 1 | 0 | 1 | 96 | 1,693 | 1 | 0 | 1 | 85 | 1,237 | 0 | 0 | 1 | 62 | |
| | | | T4M | 1,767 | 1 | 0 | 1 | 88 | 1,876 | 1 | 0 | 1 | 94 | 1,658 | 0 | 0 | 1 | 83 | 1,212 | 0 | 0 | 1 | 61 | |
| | | | TFTM | 1,837 | 0 | 0 | 1 | 92 | 1,950 | 0 | 0 | 1 | 98 | 1,724 | 0 | 0 | 1 | 86 | 1,260 | 0 | 0 | 1 | 63 | |
| | ASDF | 1,642 | 1 | 0 | 1 | 82 | 1,743 | 1 | 0 | 1 | 87 | 1,541 | 1 | 0 | 1 | 77 | 1,127 | 0 | 0 | 1 | 56 | | | |
| | 700mA | 27W | T2S | 2,272 | 1 | 0 | 1 | 84 | 2,409 | 1 | 0 | 1 | 89 | 2,421 | 1 | 0 | 1 | 90 | 1,544 | 0 | 0 | 1 | 57 | |
| | | | T2M | 2,165 | 1 | 0 | 1 | 80 | 2,296 | 1 | 0 | 1 | 85 | 2,307 | 1 | 0 | 1 | 85 | 1,472 | 0 | 0 | 1 | 55 | |
| | | | T3S | 2,247 | 1 | 0 | 1 | 83 | 2,382 | 1 | 0 | 1 | 88 | 2,394 | 1 | 0 | 1 | 89 | 1,527 | 0 | 0 | 1 | 57 | |
| | | | T3M | 2,224 | 1 | 0 | 1 | 82 | 2,358 | 1 | 0 | 1 | 87 | 2,370 | 1 | 0 | 1 | 88 | 1,512 | 0 | 0 | 1 | 56 | |
| | | | T4M | 2,179 | 1 | 0 | 1 | 81 | 2,310 | 1 | 0 | 1 | 86 | 2,322 | 1 | 0 | 1 | 86 | 1,481 | 0 | 0 | 1 | 55 | |
| | | | TFTM | 2,265 | 1 | 0 | 1 | 84 | 2,401 | 1 | 0 | 1 | 89 | 2,413 | 1 | 0 | 1 | 89 | 1,539 | 0 | 0 | 1 | 57 | |
| | ASDF | 2,025 | 1 | 0 | 1 | 75 | 2,147 | 1 | 0 | 1 | 80 | 2,158 | 1 | 0 | 1 | 80 | 1,376 | 1 | 0 | 1 | 51 | | | |
| | 1000mA | 40W | T2S | 3,011 | 1 | 0 | 1 | 75 | 3,190 | 1 | 0 | 1 | 80 | 3,202 | 1 | 0 | 1 | 80 | 2,235 | 1 | 0 | 1 | 58 | |
| | | | T2M | 2,870 | 1 | 0 | 1 | 72 | 3,040 | 1 | 0 | 1 | 76 | 3,051 | 1 | 0 | 1 | 76 | 2,130 | 1 | 0 | 2 | 55 | |
| | | | T3S | 2,978 | 1 | 0 | 1 | 74 | 3,155 | 1 | 0 | 1 | 79 | 3,166 | 1 | 0 | 1 | 79 | 2,210 | 1 | 0 | 2 | 57 | |
| | | | T3M | 2,948 | 1 | 0 | 1 | 74 | 3,123 | 1 | 0 | 1 | 78 | 3,134 | 1 | 0 | 1 | 78 | 2,187 | 1 | 0 | 2 | 56 | |
| | | | T4M | 2,888 | 1 | 0 | 1 | 72 | 3,059 | 1 | 0 | 1 | 76 | 3,071 | 1 | 0 | 1 | 77 | 2,143 | 1 | 0 | 2 | 55 | |
| | | | TFTM | 3,002 | 1 | 0 | 1 | 75 | 3,180 | 1 | 0 | 1 | 80 | 3,192 | 1 | 0 | 1 | 80 | 2,228 | 1 | 0 | 2 | 57 | |
| | ASDF | 2,684 | 1 | 0 | 1 | 67 | 2,843 | 1 | 0 | 1 | 71 | 2,854 | 1 | 0 | 1 | 71 | 1,991 | 1 | 0 | 2 | 51 | | | |
| | 20C (20 LEDs) | 530mA | 36W | T2S | 3,649 | 1 | 0 | 1 | 101 | 3,876 | 1 | 0 | 1 | 108 | 3,429 | 1 | 0 | 1 | 95 | 2,504 | 1 | 0 | 1 | 70 |
| | | | | T2M | 3,478 | 1 | 0 | 1 | 97 | 3,694 | 1 | 0 | 1 | 103 | 3,267 | 1 | 0 | 1 | 91 | 2,387 | 1 | 0 | 1 | 66 |
| | | | | T3S | 3,609 | 1 | 0 | 1 | 100 | 3,833 | 1 | 0 | 1 | 106 | 3,390 | 1 | 0 | 1 | 94 | 2,477 | 1 | 0 | 1 | 69 |
| T3M | | | | 3,572 | 1 | 0 | 1 | 99 | 3,794 | 1 | 0 | 1 | 105 | 3,356 | 1 | 0 | 1 | 93 | 2,451 | 1 | 0 | 2 | 68 | |
| T4M | | | | 3,500 | 1 | 0 | 2 | 97 | 3,717 | 1 | 0 | 2 | 103 | 3,288 | 1 | 0 | 1 | 91 | 2,402 | 1 | 0 | 1 | 67 | |
| TFTM | | | | 3,638 | 1 | 0 | 1 | 101 | 3,864 | 1 | 0 | 1 | 107 | 3,418 | 1 | 0 | 1 | 95 | 2,496 | 1 | 0 | 1 | 69 | |
| ASDF | | 3,252 | 1 | 0 | 2 | 90 | 3,454 | 1 | 0 | 2 | 96 | 3,056 | 1 | 0 | 2 | 85 | 2,232 | 1 | 0 | 1 | 62 | | | |
| 700mA | | 47W | T2S | 4,502 | 1 | 0 | 1 | 96 | 4,776 | 1 | 0 | 1 | 102 | 4,794 | 1 | 0 | 1 | 102 | 3,065 | 1 | 0 | 1 | 65 | |
| | | | T2M | 4,290 | 1 | 0 | 1 | 91 | 4,552 | 1 | 0 | 1 | 97 | 4,569 | 1 | 0 | 1 | 97 | 2,921 | 1 | 0 | 1 | 62 | |
| | | | T3S | 4,452 | 1 | 0 | 1 | 95 | 4,723 | 1 | 0 | 2 | 100 | 4,741 | 1 | 0 | 2 | 101 | 3,031 | 1 | 0 | 1 | 64 | |
| | | | T3M | 4,407 | 1 | 0 | 2 | 94 | 4,675 | 1 | 0 | 2 | 99 | 4,693 | 1 | 0 | 2 | 100 | 3,000 | 1 | 0 | 1 | 64 | |
| | | | T4M | 4,318 | 1 | 0 | 2 | 92 | 4,581 | 1 | 0 | 2 | 97 | 4,598 | 1 | 0 | 2 | 98 | 2,939 | 1 | 0 | 1 | 63 | |
| | | | TFTM | 4,488 | 1 | 0 | 2 | 95 | 4,761 | 1 | 0 | 2 | 101 | 4,779 | 1 | 0 | 2 | 102 | 3,055 | 1 | 0 | 1 | 65 | |
| ASDF | | 4,012 | 1 | 0 | 2 | 85 | 4,257 | 1 | 0 | 2 | 91 | 4,273 | 1 | 0 | 2 | 91 | 2,732 | 1 | 0 | 1 | 58 | | | |
| 1000mA | | 74W | T2S | 5,963 | 1 | 0 | 1 | 80 | 6,327 | 1 | 0 | 1 | 84 | 6,351 | 1 | 0 | 1 | 85 | 4,429 | 1 | 0 | 1 | 61 | |
| | | | T2M | 5,683 | 1 | 0 | 2 | 76 | 6,029 | 1 | 0 | 2 | 80 | 6,052 | 1 | 0 | 2 | 81 | 4,221 | 1 | 0 | 2 | 58 | |
| | | | T3S | 5,896 | 1 | 0 | 2 | 79 | 6,256 | 1 | 0 | 2 | 83 | 6,280 | 1 | 0 | 2 | 84 | 4,380 | 1 | 0 | 2 | 60 | |
| | | | T3M | 5,837 | 1 | 0 | 2 | 78 | 6,193 | 1 | 0 | 2 | 83 | 6,216 | 1 | 0 | 2 | 83 | 4,335 | 1 | 0 | 2 | 59 | |
| | | | T4M | 5,719 | 1 | 0 | 2 | 76 | 6,067 | 1 | 0 | 2 | 81 | 6,090 | 1 | 0 | 2 | 81 | 4,248 | 1 | 0 | 2 | 58 | |
| | | | TFTM | 5,944 | 1 | 0 | 2 | 79 | 6,307 | 1 | 0 | 2 | 84 | 6,330 | 1 | 0 | 2 | 84 | 4,415 | 1 | 0 | 2 | 60 | |
| ASDF | | 5,314 | 1 | 0 | 2 | 71 | 5,638 | 2 | 0 | 2 | 75 | 5,660 | 2 | 0 | 2 | 75 | 3,947 | 1 | 0 | 2 | 54 | | | |

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 |
| 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 |

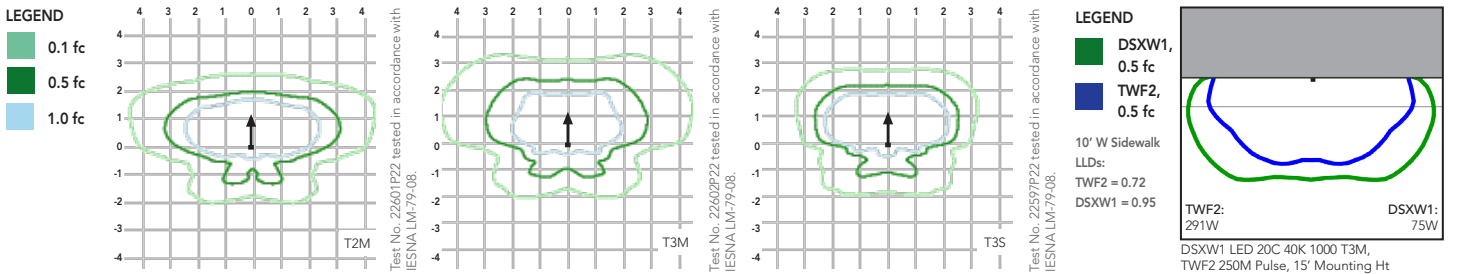
Electrical Load

| LEDs | Drive Current (mA) | System Watts | Current (A) | | | | | | |
|------|--------------------|--------------|-------------|------|------|------|------|------|--|
| | | | 120 | 208 | 240 | 277 | 347 | 480 | |
| 10C | 350 | 14 W | 0.13 | 0.07 | 0.06 | 0.06 | - | - | |
| | 530 | 20 W | 0.19 | 0.11 | 0.09 | 0.08 | - | - | |
| | 700 | 27 W | 0.25 | 0.14 | 0.13 | 0.11 | - | - | |
| | 1000 | 40 W | 0.37 | 0.21 | 0.19 | 0.16 | - | - | |
| 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 | 0.15 | 0.11 | |
| | 1000 | 75 W | 0.69 | 0.40 | 0.35 | 0.30 | 0.23 | 0.17 | |

Photometric Diagrams

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

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



Options and Accessories



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

INTENDED USE

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.

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 (80 min. CRI), 4000 K (70 min. CRI) or 5000 K (70 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 (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 to confirm which versions are qualified.

WARRANTY

Five year limited warranty. Full warranty terms located at www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx.

Note: Specifications subject to change without notice.

