

D-Series Size 1 LED Wall Luminaire



Depth:

Height:





Back Box (BBW, ELCW)

6-3/8"

13-3/4" **BBW**

(34.9 cm) Weight:

(10.2 cm) Weight:

4" ELCW



5 lbs

10 lbs

d"series

Specifications

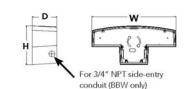
Luminaire

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)









It 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)	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) \$	Shipped installed PE Photoelectric cell, button type ⁶ DMG 0-10V dirmming driver (no controls; wires pulled outside fixture)) PIR 180° motion/ambient light sensor, <15′ mtg ht ^{1,7} PIRH 180° motion/ambient light sensor, 15-30′ mtg ht ^{1,7} Motion/ambient sensor, 8-15′ mounting height, ambient sensor enabled at 1fc ^{1,7} PIRH1FG3V Motion/ambient sensor, 15-30′ mounting height, ambient sensor enabled at 1fc ^{1,7} ELCW Emergency battery backup (includes external component enclosure), non CEC compliant ⁸

0ther	Other Options				Finish (required)							
Shipp	Shipped installed Shipped separately 10		DDBXD	Dark bronze	DSSXD	Sandstone	DWHGXD	Textured white				
SF	Single fuse (120, 277 or 347V) 3,9	BSW	Bird-deterrent spikes	DBLXD	Black	DDBTXD	Textured dark bronze	DSSTXD	Textured sandstone			
DF	Double fuse (208, 240 or 480V) 3,9	WG	Wire guard	DNAXD	Natural aluminum	DBLBXD	Textured black					
HS	House-side shield 10	VG	Vandal guard	DWHXD	White	DNATXD	Textured natural aluminum					
SPD	Separate surge protection	DDL	Diffused drop lens									

Accessories

Ordered and shipped sep

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

DSXWBSW U Bird-deterrent spikes

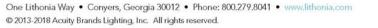
DSXWBSW U Bird-deterrent spikes
DSXWTWG U Wire guard accessory
DSXWTVG U Vandal guard accessory

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 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 ELCW.
- 10 Also available as a separate accessory, see Accessories information.



D R





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.

Color Colo		Drive	System	Dist.	3	OK (30	00 K, 7	OCRI)		4	OK (40	00 K, 7	OCRI)			50K (5)	000 K , 70	CRI)		AMBP	C (Am ber	Phospho	r Converte	ed)
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700 mA	(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	
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DSXW1-LED Rev. 3/13/18

Performance Data

Lumen Ambient Temperature (LAT) Multipliers

relative lumen output for average ambient temperatures

	Ambient					
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

				Current (A)								
	Drive Current (mA)	System Watts	120V	208 V	240V	277V	347V	480 V				
	350	14W	0.13	0.07	0.06	0.06	-	37				
100	530	20 W	0.19	0.11	0.09	0.08	+					
100	700	27 W	0.25	0.14	0.13	0.11	2	-				
	1000	40 W	0.37	0.21	0.19	0.16	-	2				
	350	24W	0.23	0.13	0.12	0.10	I.C.	- 01				
200	530	36W	0.33	0.19	0.17	0.14	+	-				
20C	700	47 W	0.44	0.25	0.22	0.19	0.15	0.11				
	1000	74W	0.69	0.40	0.35	0.30	0.23	0.17				

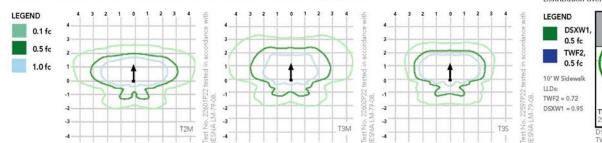
Motion Sensor Default Settings												
Option	Dimmed State	High Level (when triggered)	Photocell Operation	Dwell Time	Ramp-up Time	Ramp-down Time						
*PIR or PIRH	3V (37%) Output	10V (100%) Output	Enabled @ 5FC	5 min	3 sec	5 min						
PIR1FC3V or PIRH1FC3V	3V (37%) Output	10V (100%) Output	Enabled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

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

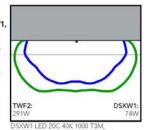
Photometric Diagrams

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.



TWF2 250M Pulse, 15' Mounting Ht.

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

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), $4000 \, \text{K}$ (70 min. CRI) or $5000 \, \text{K}$ (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.

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. Complete warranty terms located at www.acuitybrands.com/

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.



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