A

OLWX1 LED
LED Wall Luminaire

Catalog Number
Notes
Type

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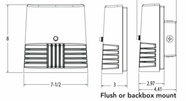

Flush or backbox mount

Specifications

Width:	7-1/2" (19cm)
Height:	8" (20.3cm)
Depth:	3" (7.62cm)
Weight:	5 lbs (2.27kg)

Introduction

As versatile as it is efficient, the OLWX1 is designed to replace up to 250W metal halide while saving over 87% in energy costs. It combines multiple mounting options with the latest generation of LEDs for a wall pack luminaire that converts to a whole lot more. Whether you are mounting it to a recessed junction box, conduit/through wiring, as an up light, as a down light, or as a flood light – the OLWX1 has you covered.

Ordering Information

EXAMPLE: OLWX1 LED 20W 50K

OLWX1 LED

Series	Performance Package	Color Temperature	Voltage	Controls	Finish
OLWX1 LED	13W 13 watts 20W 20 watts 40W 40 watts	40K 4000 K [4] 50K 5000 K	(blank) MVOLT [2] 120 120V [3] 347 347V	(blank) None PE 120V button photocell [3,5]	(blank) Dark bronze

Accessories

Ordered and shipped separately.

OLWXITS Slipfitter – size 1
OLWXITYK Yoke – size 1
OLWXITTHK Knuckle – size 1

NOTES
1 Not available with 347V option.
2 MVOLT driver operates on any line voltage from 120-277V (50/60Hz).
3 Specify 120V when ordering with photocell (PE option).

FEATURES & SPECIFICATIONS

INTENDED USE
The versatility of the OLWX1 LED combines a sleek, low-profile wall pack design and high-output LEDs to provide an energy-efficient, low-maintenance LED wall pack suitable for replacing up to 250W metal halide fixtures. Available flood light mounting accessories convert the OLWX1 LED into a highly efficient flood light.

OLWX1 LED is ideal for outdoor applications such as building perimeters, loading areas, driveways and sign and building flood lighting.

CONSTRUCTION
Rugged cast-aluminum housing with textured dark bronze polyester powder paint for lasting durability. Integral heat sinks optimize thermal management through conductive and convective cooling. LEDs are protected behind a glass lens. Housing is sealed against moisture and environmental contaminants (IP65).

OPTICS
High-performance LEDs behind clear glass for maximum light output. Light engines are available in 4000K and 5000K CCTs. See Lighting Facts label and photometry reports for specific fixture performance.

ELECTRICAL
Light engine consists of 1 high-efficiency Chip On Board (COB) LED with integrated circuit board mounted directly to the housing to maximize heat dissipation and promote long life (L73/100,000 hours at 25°C). Electronic drivers have a power factor >90% and THD <20% and a minimum 2.5kV surge rating. Flood light mounting accessories include an additional 6kV surge protection device.

INSTALLATION
Easily mounts to recessed junction boxes with the included wall mount bracket, or for surface mounting and conduit entry – with the included junction box with five 1/2" threaded conduit entry hubs. Flood light mounting accessories (sold separately) include knuckle, integral slipfitter and yoke mounting options. Each flood mount accessory comes with a top visor and vandal guard. Luminaire may be wall or ground mounted in downward or upward orientation.

LISTINGS
UL Listed to U.S. and Canadian safety standards for wet locations. Rated for -40°C minimum ambient. Tested in accordance with IESNA LM-79 and LM-80 standards. 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.lithonia.com/Lithonia/content/customer/Resources/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.

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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.

Fixture Model Number	CCT	System Watts	Lumens	B	U	G	CRI
OLWX1 LED 13W 40K	4000 K	14 W	1,271	91	1	0	>70
OLWX1 LED 13W 50K	5000 K	14 W	1,289	92	1	0	>80
OLWX1 LED 20W 40K	4000 K	20 W	2,697	135	1	0	>70
OLWX1 LED 20W 50K	5000 K	19 W	2,663	140	1	0	>70
OLWX1 LED 40W 40K	4000 K	39 W	4,027	101	2	0	>70
OLWX1 LED 40W 50K	5000 K	37 W	4,079	110	2	0	>70

Electrical Load

Fixture Model Number	Rated Power (watts)	Input current at given input voltage (amps)				
		120V	208V	240V	277V	347V
OLWX1 LED 13W 40K	14 W	0.12	0.07	0.06	0.06	0.04
OLWX1 LED 13W 50K	14 W	0.12	0.07	0.06	0.06	0.04
OLWX1 LED 20W 40K	20 W	0.20	0.12	0.10	0.09	0.06
OLWX1 LED 20W 50K	19 W	0.20	0.12	0.10	0.09	0.06
OLWX1 LED 40W 40K	39 W	0.37	0.21	0.19	0.16	0.11
OLWX1 LED 40W 50K	37 W	0.37	0.21	0.19	0.16	0.11

Lumen Ambient Temperature (LAT) Multipliers

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

	0°C	10°C	20°C	25°C	30°C	40°C
13W	1.06	1.03	1.01	1.00	0.99	0.96
20W	1.06	1.04	1.01	1.00	0.99	0.96
40W	1.07	1.04	1.01	1.00	0.99	0.96

Projected LED Lumen Maintenance

Data references the extrapolated performance projections in a **25°C ambient**, based on 72,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate L87, 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
OLWX1 LED 13W	1.00	0.92	0.85	0.73
OLWX1 LED 20W	1.00	0.92	0.85	0.73
OLWX1 LED 40W	1.00	0.94	0.88	0.79

Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting OLWX1 LED homepage. Tested in accordance with IESNA LM-79 and LM-80 standards

LEGEND
0.2 fc
0.5 fc
1.0 fc
2.0 fc

OLWX1 LED 13W 40K, Mounting height = 10'

Test No. LTL25697 tested in accordance with IESNA LM-79-08.

OLWX1 LED 20W 40K, Mounting height = 12'

Test No. LTL25696 tested in accordance with IESNA LM-79-08.

OLWX1 LED 40W 40K, Mounting height = 15'

Test No. LTL25695 tested in accordance with IESNA LM-79-08.

Accessories

OLWXITS Slipfitter – size 1
OLWXITYK Yoke – size 1
OLWXITTHK Knuckle – size 1
Top Visor and Vandal Guard included with accessories

B

D-Series Size 2
LED Wall Luminaire

d*series

Catalog Number
Notes
Type

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

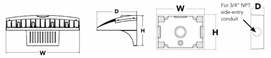
Specifications

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 DDBTXD

DSXW2 LED

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 ASYSF Asymmetric diffuse	MVOLT [1] 120 [1] 208 [1] 240 [1] 277 [1] 347 [2] 480 [2]	Shipped included (blank) Surface mounting bracket Shipped separately [3] BBW Surface-mounted back box (for conduit entry)	Shipped installed PE Photoelectric cell, button type [4] NLTAIR2 nLight AIR wireless enabled (only for controls) DMG 0-10V dimming driver (no controls) DCR Dimmable and controllable via ROAM® (no controls)[5] PIR 180° motion/ambient light sensor, 15-30' mtg ht [6] PIR1FC3V Motion/ambient sensor, 8-15' mounting height, ambient sensor enabled at 1fc [6] PIRH1FC3V Motion/ambient sensor, 15-30' mounting height, ambient sensor enabled at 1fc [6]

Other Options			Finish (required)			
Shipped installed		Shipped separately [7]	DDBXD Dark bronze	DSSXD Sandstone	DWHGXD Textured white	
SF Single fuse (120, 277, 347V) [1]		BSW Bird-deterrent spikes	DBLXD Black	DDBTXD Textured dark bronze	DSSTXD Textured sandstone	
DF Double fuse (208, 240, 480V) [1]		WG Wire guard	DNAXD Natural aluminum	DBLBXD Textured black		
HS House-side shield [1]		VG Vandal guard	DWHXD White	DNATXD Textured natural aluminum		
SPD Separate surge protection [1]						

Accessories

Ordered and shipped separately.

DLL127F 1.5 JU Photocell - SSL twist-lock (120-277V) [1]
DLL347F 1.5 CUL JU Photocell - SSL twist-lock (347V) [1]
DLL480F 1.5 CUL JU Photocell - SSL twist-lock (480V) [1]
DSHORT SBK U Shorting cap [1]
DSHWS U House-side shield (one per light engine)
DSHORBM U Bird-deterrent spikes
DSHWMG U Wire guard accessory
DSHVGNS U Vandal guard accessory
DSHKOBBW Back box accessory (specify finish)
DSSBD U

NOTES
1 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).
2 Available with 30 LED/700mA options only (DSXW2 LED 30C 700). DMG option not available.
3 Also available as a separate accessory; see Accessories information.
4 Photocontrol (PE) requires 120, 208, 240 or 347 voltage option. Not available with motion/ambient light sensors (PIR or PIRH).
5 Specifies a ROAM® enabled luminaire with 0-10V dimming capability. PER option required. Not available with 347V, 480V or PIRH. Additional ROAM® subscription required. See DTL® ROAM® brochure and DTL ROAM® spec sheet for more details. Not for retrofit installations/remotes/accessories.
6 Specifies the Sensor Switch SBGR-10-COP control; see Outdoor Control Switching Guide for details. Includes ambient light sensor. Not available with "PE" option (button type photocell) or DCR. Dimming driver standard.
7 PIR and PIR1FC3V specify the SensorSwitch SBGR-10-COP control; PIRH and PIRH1FC3V specify the SensorSwitch SBGR-8-COP control; see Outdoor Control Switching Guide for details. Dimming driver standard. Not available with PERS or PER7. Ambient sensor disabled when ordered with DCR.
8 Single fuse (SF) requires 120, 277 or 347 voltage option. Double fuse (DF) requires 208, 240 or 480 voltage option.
9 See the electrical section on page 2 for more details.
10 Requires luminaire to be specified with PER option. Ordered and shipped as a separate line item.

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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 **DSXW2 LED 30C 1000** platform in a **25°C ambient**. Based on 70,000 hours of LED testing (tested per IESNA LM-80-08 and projected per IESNA TM-21-11).

To calculate L70, 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

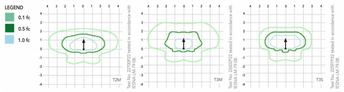
Electrical Load

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	0.46	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	-	-

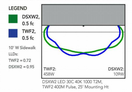
Photometric Diagrams

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').



Distribution overlay comparison to 400W metal halide.



DSXW2 LED 30C 40K 1000 T2M, TWP2 400M Pulse, 25' Mounting Ht

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 to confirm which versions are qualified.

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.

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C

Rozella 2-Light Outdoor Wall Lantern

Product Overview

At a Glance

Wet Location
Dimmable
Standard Voltage - Wired (120V)

Description

Light up your outdoor space in contemporary style with this one-light lantern. Designed to mount directly to the wall, it's crafted from metal and features a sleek, rectangular body suited for modern ensembles. It includes a fluorescent bulb, so you can light up the porch or patio right away. This must-have luminary, so it won't take up too much space.

Product Details

- Dry, Damp or Wet Location Listed: Wet
- Fixture Material: Metal
- Bulb Base: E26/Medium (Standard)
- Dimmable: Yes

Show Less

Weights & Dimensions

Overall	15" H x 4.38" W x 6.13" D
Overall Product Weight	4.15 lb.

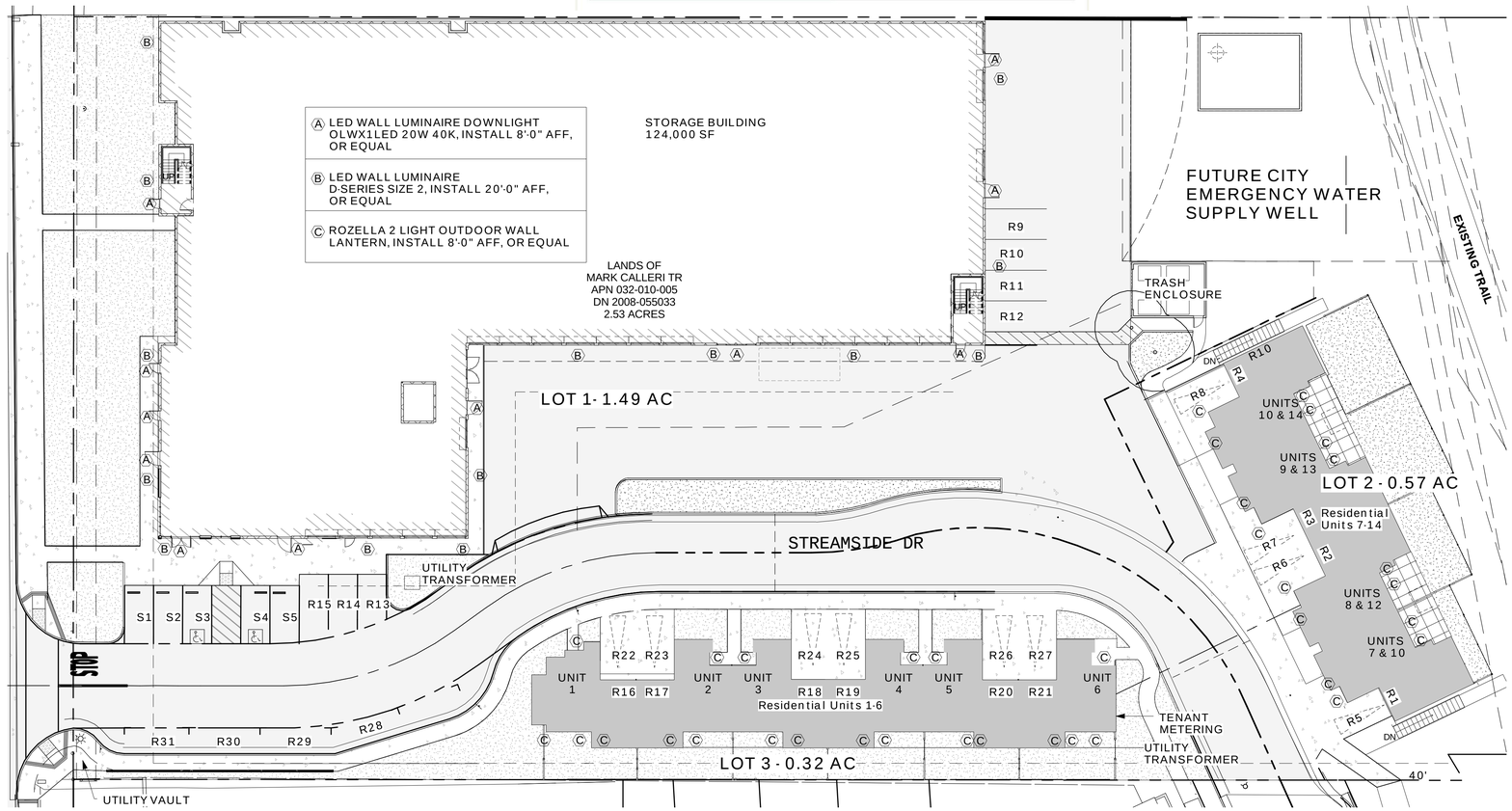
Specifications

Features

Lighting Type	Outdoor Wall Lantern
Dry, Damp or Wet Location Listed	Wet
Voltage	120 Volts
Fixture Shape	Square/Rectangle
Bulb Not Included but Required	Yes
Bulb Base	E26/Medium (Standard)
Number of Light Bulbs	2
Fixture Material	Metal
Dimmable	Yes
Light Direction	Down; Up
Maximum Wattage (per bulb)	75 Watts
Country of Origin	China

Specifications

Commercial OR Residential Certifications	Yes
Dark Sky Compliant	Yes
Energy Star Compliant	Yes
Title 24 Compliant	Yes
UL Listed	Yes
What is UL Listed	The Underwriters Laboratories (UL) is an independent product safety certification organization that provides products with dry, damp, or wet location ratings.
cUL Listed	Yes



Design Review Site Lighting Plan Storage

Scale 3/64" = 1'-0"

ISSUED FOR:	DATE	DESCRIPTION
	18 Sept. 2019	DESIGN REVIEW

RECESS
85 Keystone Avenue, Suite E
Reno, Nevada 89503
Tel (775) 357-9206

DRAWN BY:	CRN
DESIGNED BY:	CRN
CHECKED BY:	
SUBMITTED BY:	AR

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

RECESS STORAGE
4224 Hwy 12
Santa Rosa, CA 95409
Sonoma County APN 032-010-005

SHEET CONTENT
Site Lighting Plan
Lighting Fixtures Cut Sheet

DWG #
DR 1.1