OLWX2 LED
LED Wall Luminaire

NIGHTTIME FRIENDLY™ LED lighting facts
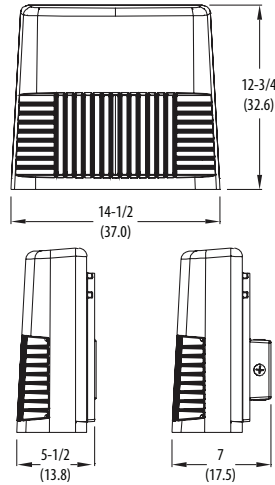
Hit the Tab key or mouse over the page to see all interactive elements.

12-3/4 (32.6)

14-1/2 (37.0)

5-1/2 (13.8)   7 (17.5)

Flush or backbox mount

Specifications

Width:	14-1/2" *(37.0 cm)*
Height:	12-3/4" *(32.6 cm)*
Depth:	5-1/2" *(13.8 cm)*
Weight:	15.4 lbs *(6.9 kg)*

Introduction

As versatile as it is efficient, the OLWX2 is designed to replace up to 400W metal halide while saving over 81% in energy costs. It combines multiple mounting options with the latest generation of LEDs for a wall pack luminaire which is a whole lot more. Whether you are mounting it to a recessed junction box, conduit/through wiring, as an uplight, as a downlight, or as a floodlight – the OLWX2 has you covered.

Ordering Information

EXAMPLE: OLWX2 LED 150W 50K DDB

OLWX2 LED					
Series	**Performance Package**	**Color Temperature**	**Voltage**	**Controls**	**Finish**
OLWX2 LED	90W 90 watts 150W 150 watts	40K 4000 K [1] 50K 5000 K	(blank) MVOLT [2] 120 120V [3] 347 347V	(blank) None PE 120V Button Photocell [1,3]	DDB Dark bronze

Accessories
Ordered and shipped separately.

OLWX2TS	Slipfitter – size 2
OLWX2YK	Yoke – size 2

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

FEATURES & SPECIFICATIONS

INTENDED USE
The versatile design of the OLWX2 LED combines a sleek, low-profile wall pack and high-output LEDs to provide an energy efficient, low maintenance LED wall pack suitable for replacing up to 400W metal halide luminaires. Available floodlight mounting accessories convert the OLWX2 LED into a highly efficient floodlight.

OLWX2 LED is ideal for outdoor applications such as building perimeters, loading areas, driveways and sign and building floodlighting.

CONSTRUCTION
Rugged cast-aluminum housing with dark bronze polyester powder paint for lasting durability. Integral heat sinks optimize thermal management through conductive and convective cooling. LED's 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 nominal 4000 K and 5000 K configurations. See Lighting Facts label and photometry reports for specific fixture performance.

ELECTRICAL
Light engine consists of four high-efficiency Chip On Board (COB) LED's with integrated circuit boards mounted directly to housing to maximize heat dissipation and promote long life (L76/100,000 hours at 25°C). Electronic driver has a power factor of >90% and THD <20% and a minimum 2.5kV surge rating. Floodlight mounting accessories include an additional 6kV surge protection device.

INSTALLATION
Easily mounts to recessed junction boxes with included wall mount bracket, or for surface mounting and conduit entry with included junction box that has four 1/2" threaded conduit entry hubs. Floodlight mounting accessories (sold separately) include 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.

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: 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.

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	LPW	B	U	G	CRI
OLWX2 LED 90W 40K	4000 K	88W	7,325	83	3	0	1	>70
OLWX2 LED 90W 50K	5000 K	88W	7,126	81	3	0	1	>70
OLWX2 LED 150W 40K	4000 K	146W	13,501	92	3	0	1	>70
OLWX2 LED 150W 50K	5000 K	148W	12,769	86	3	0	1	>70

Electrical Load

Fixture Model Number	Rated Power (watts)	Current (A)				
		120V	208V	240V	277V	347V
OLWX2 LED 90W	88W	0.78	0.45	0.40	0.35	0.28
OLWX2 LED 150W	146W	1.30	0.75	0.65	0.57	0.46

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
90W	1.06	1.04	1.01	1.00	0.99	0.97
150W	1.06	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 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
OLWX2 LED 90W	1.00	0.95	0.91	0.85
OLWX2 LED 150W	1.00	0.93	0.87	0.76

Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit the Lithonia Lighting OLWX2 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

OLWX2 LED 90W 50K, Mounting height = 20'
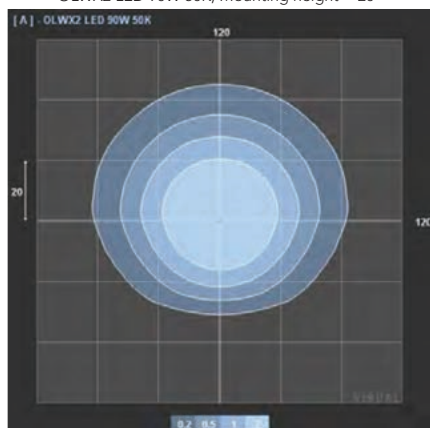
Test No. L011503901 tested in accordance with IESNA LM-79-08.

OLWX2 LED 150W 50K, Mounting height = 25'
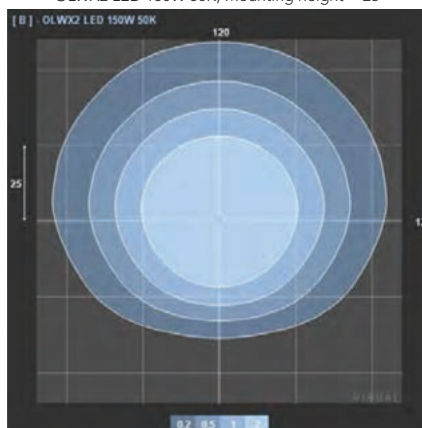
Test No. L011503902 tested in accordance with IESNA LM-79-08.

Accessories

OLWX2TS
Slipfitter – size 2

OLWX2YK
Yoke – size 2

Lighting Facts Labels

OLWX2 LED 90W 40K XXX XX

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Lithonia Lighting

Light Output (Lumens)	**7325**
Watts	**88.18**
Lumens per Watt (Efficacy)	**83.08**

Color Accuracy
Color Rendering Index (CRI) — **78**

Light Color
Correlated Color Temperature (CCT) — **4050 (Bright White)**

Warm White	Bright White	Daylight
2700K 3000K	4500K	6500K

All results are according to IESNA LM-79-2008: *Approved Method for the Electrical and Photometric Testing of Solid-State Lighting.* The U.S. Department of Energy (DOE) verifies product test data and results.

Visit www.lightingfacts.com for the *Label Reference Guide.*

Registration Number: NJSM-V3OAXG (1/22/2015)
Model Number: OLWX2 LED 90W 40K
Type: Luminaire - Other

OLWX2 LED 90W 50K XXX XX

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Light Output (Lumens)	**7126**
Watts	**88**
Lumens per Watt (Efficacy)	**80.98**

Color Accuracy
Color Rendering Index (CRI) — **80**

Light Color
Correlated Color Temperature (CCT) — **5000 (Daylight)**

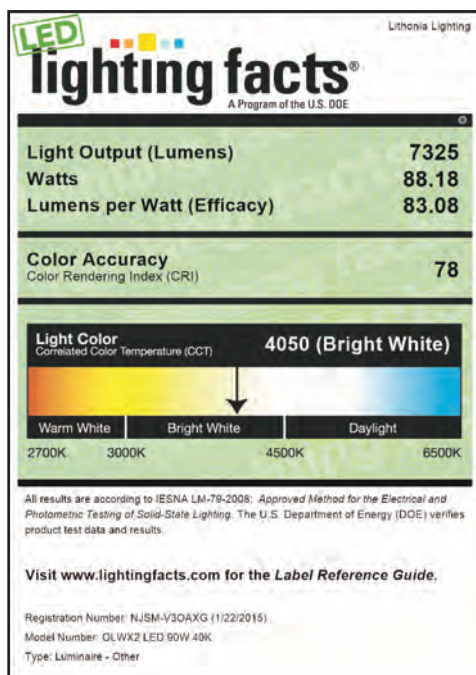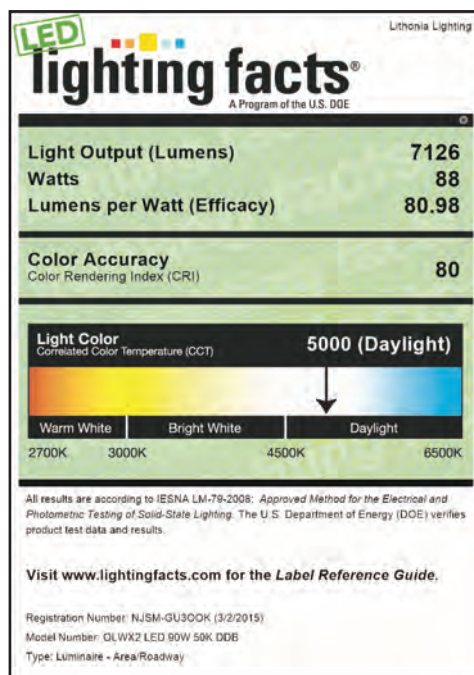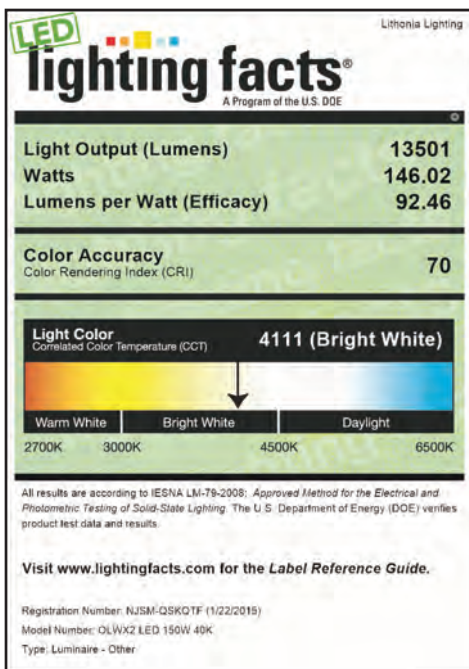| Warm White	Bright White	Daylight
2700K 3000K	4500K	6500K

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Registration Number: NJSM-GU3OOK (3/2/2015)
Model Number: OLWX2 LED 90W 50K DDB
Type: Luminaire - Area/Roadway

OLWX2 LED 150W 40K XXX XX

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Light Output (Lumens)	**13501**
Watts	**146.02**
Lumens per Watt (Efficacy)	**92.46**

Color Accuracy
Color Rendering Index (CRI) — **70**

Light Color
Correlated Color Temperature (CCT) — **4111 (Bright White)**

Warm White	Bright White	Daylight
2700K 3000K	4500K	6500K

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Registration Number: NJSM-QSKQTF (1/22/2015)
Model Number: OLWX2 LED 150W 40K
Type: Luminaire - Other

OLWX2 LED 150W 50K XXX XX

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Light Output (Lumens)	**12769**
Watts	**148**
Lumens per Watt (Efficacy)	**86.28**

Color Accuracy
Color Rendering Index (CRI) — **70**

Light Color
Correlated Color Temperature (CCT) — **5260 (Daylight)**

Warm White	Bright White	Daylight
2700K 3000K	4500K	6500K

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Visit www.lightingfacts.com for the *Label Reference Guide.*

Registration Number: NJSM-QDCD8E (1/22/2015)
Model Number: OLWX2 LED 150W 50K
Type: Luminaire - Other