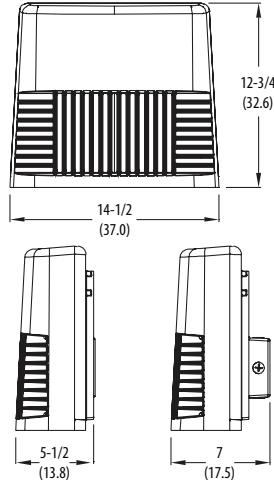




# OLWX2 LED LED Wall Luminaire



Flush or backbox mount

## Specifications

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

Catalog  
Number

Notes

Type

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

## 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 DBB**

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

## 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. 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 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.

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](http://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](http://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.

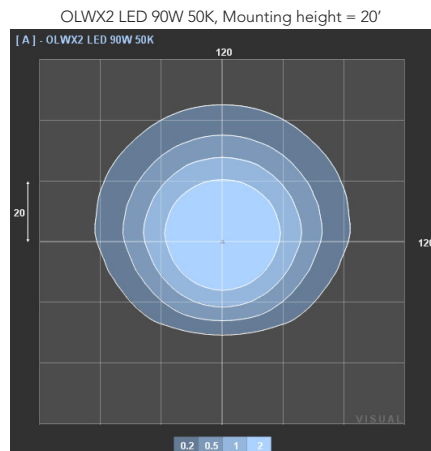
Operating Hours	0	25,000	50,000	100,000
OLWX2 LED 90W	1.00	0.95	0.91	0.85
OLWX2 LED 150W	1.00	0.93	0.87	0.76

## Photometric Diagrams

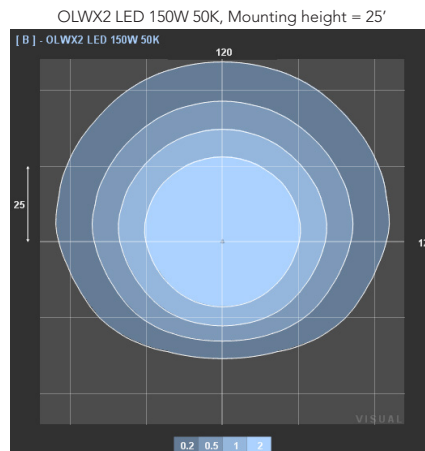
To see complete photometric reports or download .ies files for this product, visit the Lithonia Lighting OLWX2 LED homepage. Tested in accordance with IESNA LM-79 and LM-80 standards

#### LEGEND

- 0.2 fc
- 0.5 fc
- 1.0 fc
- 2.0 fc



Test No. L011503901 tested in accordance with IESNA LM-79-08.



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

Lithonia Lighting

**Lighting facts**  
A Program of the U.S. DOE

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

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

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

2700K 3000K 4500K 6500K

Warm White Bright White Daylight

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](http://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

Lithonia Lighting

**Lighting facts**  
A Program of the U.S. DOE

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

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

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

2700K 3000K 4500K 6500K

Warm White Bright White Daylight

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.

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Registration Number: NJSM-GU300K (3/2/2015)  
Model Number: OLWX2 LED 90W 50K DDB  
Type: Luminaire - Area/Roadway

OLWX2 LED 150W 40K XXX XX

Lithonia Lighting

**Lighting facts**  
A Program of the U.S. DOE

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)

2700K 3000K 4500K 6500K

Warm White Bright White Daylight

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

OLWX2 LED 150W 50K XXX XX

Lithonia Lighting

**Lighting facts**  
A Program of the U.S. DOE

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

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

---

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

2700K 3000K 4500K 6500K

Warm White Bright White Daylight

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.

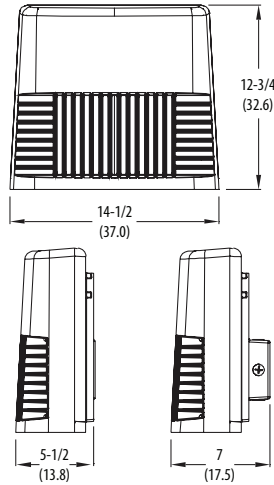
Visit [www.lightingfacts.com](http://www.lightingfacts.com) for the *Label Reference Guide*.

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



# OLWX2 LED

## LED Wall Luminaire



Flush or backbox mount

### Specifications

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

Catalog Number

Notes

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### 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 DBB**

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

### 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. 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 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.

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](http://www.designlights.org) to confirm which versions are qualified.

#### WARRANTY

Five-year limited warranty. Full warranty terms located at [www.acuitybrands.com/CustomResources/Terms\\_and\\_conditions.aspx](http://www.acuitybrands.com/CustomResources/Terms_and_conditions.aspx).

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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	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.

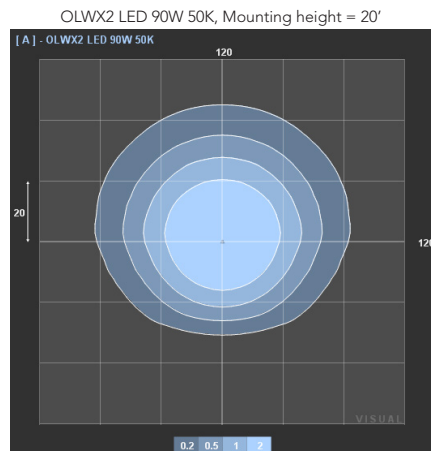
Operating Hours	0	25,000	50,000	100,000
OLWX2 LED 90W	1.00	0.95	0.91	0.85
OLWX2 LED 150W	1.00	0.93	0.87	0.76

## Photometric Diagrams

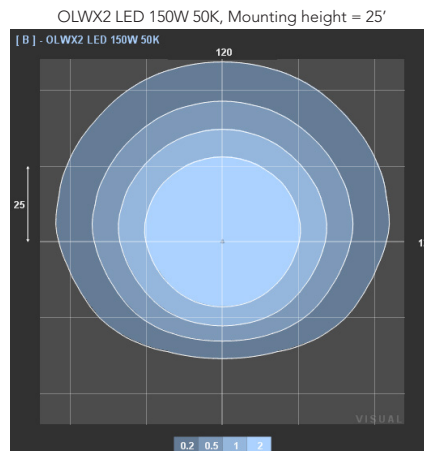
To see complete photometric reports or download .ies files for this product, visit the Lithonia Lighting OLWX2 LED homepage. Tested in accordance with IESNA LM-79 and LM-80 standards

#### LEGEND

- 0.2 fc
- 0.5 fc
- 1.0 fc
- 2.0 fc



Test No. L011503901 tested in accordance with IESNA LM-79-08.



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

Lithonia Lighting

<b>Light Output (Lumens)</b>	<b>7325</b>
<b>Watts</b>	<b>88.18</b>
<b>Lumens per Watt (Efficacy)</b>	<b>83.08</b>

---

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

---

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

2700K 3000K 4500K 6500K

Warm White | Bright White | Daylight

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](http://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

Lithonia Lighting

<b>Light Output (Lumens)</b>	<b>7126</b>
<b>Watts</b>	<b>88</b>
<b>Lumens per Watt (Efficacy)</b>	<b>80.98</b>

---

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

---

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

2700K 3000K 4500K 6500K

Warm White | Bright White | Daylight

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](http://www.lightingfacts.com) for the *Label Reference Guide*.

Registration Number: NJSM-GU300K (3/2/2015)  
Model Number: OLWX2 LED 90W 50K DDB  
Type: Luminaire - Area/Roadway

OLWX2 LED 150W 40K XXX XX

Lithonia Lighting

<b>Light Output (Lumens)</b>	<b>13501</b>
<b>Watts</b>	<b>146.02</b>
<b>Lumens per Watt (Efficacy)</b>	<b>92.46</b>

---

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

---

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

2700K 3000K 4500K 6500K

Warm White | Bright White | Daylight

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](http://www.lightingfacts.com) for the *Label Reference Guide*.

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

OLWX2 LED 150W 50K XXX XX

Lithonia Lighting

<b>Light Output (Lumens)</b>	<b>12769</b>
<b>Watts</b>	<b>148</b>
<b>Lumens per Watt (Efficacy)</b>	<b>86.28</b>

---

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

---

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

2700K 3000K 4500K 6500K

Warm White | Bright White | Daylight

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](http://www.lightingfacts.com) for the *Label Reference Guide*.

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