



# TWP LED

## LED Wall Luminaire

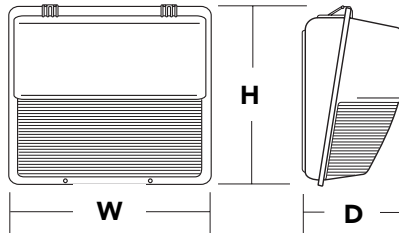


Catalog Number
Notes
Type

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

### Specifications

- Width:** 16-1/8" (41.0 cm)
- Height:** 15-1/2" (39.4 cm)
- Depth:** 7-3/4" (19.7 cm)
- Weight:** 15 lbs (6.8kg)



### Introduction

The TWP LED offers a classic appearance and is powered by advanced LEDs. A one-piece polycarbonate cover delivers enhanced durability and is vandal resistant, making the TWP LED ideal for lower mounting heights or high-traffic areas. The new TWP LED luminaire is powerful yet energy efficient, capable of replacing up to a 250W metal halide luminaire while saving up to 83% in energy costs.

The new TWP LED features an Adjustable Light Output (ALO), that allows the contractor to set the light output, during installation, to a level perfectly suited for the job site. The feature allows one luminaire to replace anywhere from 70W to all the way up to 250W metal halide luminaire.

### Ordering Information

**EXAMPLE: TWP LED ALO 50K T3M MVOLT DDBXD**

TWP LED							
Series	Power Package	Color temperature	Distribution	Voltage	Control Options	Other Options	Finish (required)
TWP LED	ALO	30K 40K 50K	T3M Type III Medium	MVOLT <sup>1</sup> 120 208 240 277 347 480	Shipped installed PE Photoelectric cell, button type	Shipped installed SF Single fuse (120, 277, 347V) <sup>2</sup> DF Double fuse (208, 240, 480V) <sup>2</sup> TP Tamper proof screws SPD Separate surge protection  Shipped separately WG Wire guard <sup>3</sup>	DDBXD Dark bronze DBLXD Black DWHXD White DDBTXD Textured dark bronze DBLBXD Textured black DWHGXD Textured white

Stock configurations are offered for shorter lead times:

Standard Part Number	Stock Part Number	CI Codes
TWP LED ALO 40K T3M MVOLT DDBXD	TWP LED ALO 40K	*265A1W
TWP LED ALO 50K T3M MVOLT DDBXD	TWP LED ALO 50K	*265A23

### Accessories

Ordered and shipped separately.

TWPWGU	Wire guard accessory <sup>1</sup>
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### NOTES

- MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
- Single fuse (SF) requires 120, 277 or 347 voltage option. Double fuse (DF) requires 208, 240 or 480 voltage option.
- Not available with 10C option.
- Requires field modification (only when ordered as a separate 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. Contact factory for performance data on any configurations not shown here.

FAO Setting	System Watts	30K (3000K, 70 CRI)		40K / 50K (4000K / 5000K, 70 CRI)		Replaces (Metal Halide)
		Lumens	LPW	Lumens	LPW	
Step 8 (default)	48	4,768	100	5,174	108	250W
Step 7	45	4,504	100	4,888	109	
Step 6	39	3,963	101	4,301	110	175W
Step 5	34	3,410	102	3,701	111	
Step 4	28	2,845	103	3,087	111	150W
Step 3	22	2,267	103	2,460	112	100W
Step 2	16	1,677	104	1,820	112	70W
Step 1	11	1,074	103	1,166	112	CFL

### 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	1.05
10°C	1.03
20°C	1.01
25°C	1.00
30°C	0.99
40°C	0.97

### Projected LED Lumen Maintenance

Data references the extrapolated performance projections for the **TWP LED ALO (default setting)** 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	1.00	1.00	0.98	0.93

### Electrical Load

LEDs	System Watts	Current (A)					
		120	208	240	277	347	480
ALO (default setting)	48W	0.41	0.27	0.24	0.19	0.14	0.11

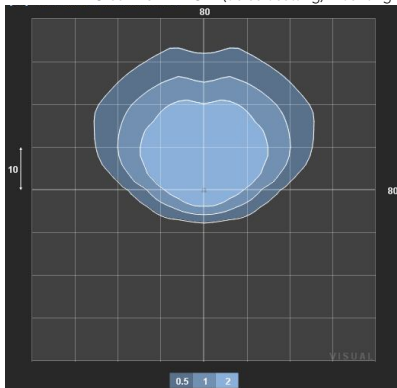
## Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit Lithonia Lighting's [TWP LED homepage](#). Tested in accordance with IESNA LM-79 and LM-80 standards

#### LEGEND

- 0.5 fc
- 1.0 fc
- 2.0 fc

TWP LED ALO 50K T3M MVOLT (default setting) Mounting height - 10'



## FEATURES & SPECIFICATIONS

### INTENDED USE

The energy savings, long life and easy-to-install design of the TWP LED make it the smart choice for building-mounted doorway and pathway illumination for nearly any facility.

### CONSTRUCTION

Die-cast aluminum rear housing has an impact-resistant, UV-stabilized polycarbonate front housing and refractor that is fully gasketed. Modular design allows for ease of maintenance. The LED driver is mounted to the front casting to thermally isolate it from the light engine for low operating temperature and long life. Housing is completely sealed against moisture and environmental contaminants.

### 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

Protective glass lens covers the light engine's precision-molded proprietary acrylic lenses. Light engines are available in 3000K, 4000K and 5000K configurations.

### ELECTRICAL

Light engine(s) consist of 72 high-efficacy LEDs mounted to a metal-core circuit board and integral aluminum heat sink to maximize heat dissipation and promote long life (L93/100,000 hrs at 25°C). The electronic driver has a power factor of >90%, THD <20%, and a minimum 6 KV surge rating. When ordering the SPD option, a separate surge protection device is installed within the luminaire which meets a minimum Category C low operation (per ANSI/IEEE C62.41.2).

### INSTALLATION

Top 3/4" threaded wiring access. Back access through removable 3/4" knockout. Feed-thru wiring can be achieved by using a conduit tee. Mount on any flat, vertical surface.

### LISTINGS

UL listed for use in the US and Canada. Suitable for use in wet locations. Rated for -40°C minimum operating temperature.

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

### WARRANTY

5-year limited warranty. Complete 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.

