# TWP LED
## LED Wall Luminaire

Catalog Number

Notes

Type

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

## 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.

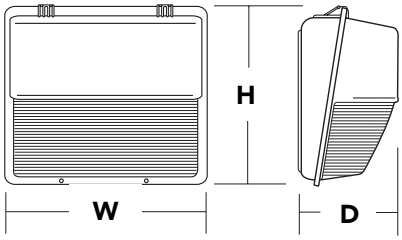
## Specifications

**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)*




## 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<br>40K<br>50K | T3M Type III Medium | MVOLT [1]<br>120<br>208<br>240<br>277<br>347<br>480 | **Shipped installed**<br>PE Photoelectric cell, button type [2] | **Shipped installed**<br>SF Single fuse (120, 277, 347V)<br>DF Double fuse (208, 240, 480V)<br>TP Tamper proof screws<br>SPD Separate surge protection | DDBXD Dark bronze<br>DBLXD Black<br>DWHXD White<br>DDBTXD Textured dark bronze<br>DBLBXD Textured black<br>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** |

**NOTES**

1. MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).
2. The photocell is not voltage specific when ordering with MVOLT. It will operate from 120-277V. Not available with 480v.

# 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 | 32°F | 1.05 |
| 10°C | 50°F | 1.03 |
| 20°C | 68°F | 1.01 |
| **25°C** | **77°F** | **1.00** |
| 30°C | 86°F | 0.99 |
| 40°C | 104°F | 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 |

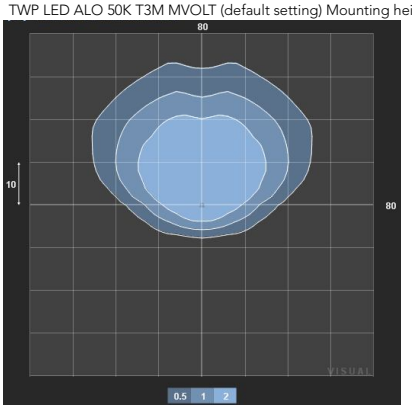
# Photometric Diagrams

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 25ºC). 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 condulet 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 to confirm which versions are qualified.

### WARRANTY
5-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.