



# TWS LED

## LED Wall Luminaire



Catalog  
Number

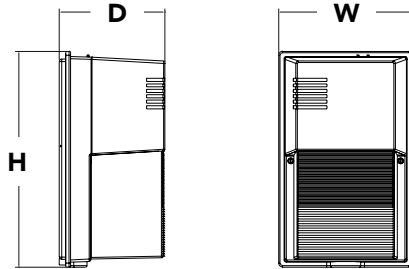
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Hit the Tab key or mouse over the page to see all interactive elements.

### Specifications

<b>Width:</b>	6-3/4" (17.2 cm)
<b>Height:</b>	10-7/8" (27.7 cm)
<b>Depth:</b>	5-5/16" (13.5 cm)
<b>Weight:</b>	3.19 lbs (1.45 kg)



### Introduction

The popular TWS luminaire is now available with long-lasting, energy-efficient LED technology. Featuring a classic dayform, the TWS LED offers a traditional appearance and is powered by advanced LEDs.

The TWS LED luminaire is powerful yet energy efficient, capable of replacing up to a 70W HPS or 100W MH wall pack while saving up to 80% in energy costs. With long-life LEDs, the TWS LED eliminates frequent lamp and ballast replacements associated with traditional technologies.

### Ordering Information

**EXAMPLE:** TWS LED P1 50K MVOLT PE DDB

TWS LED									
Series	Performance Package		Color Temperature		Voltage		Control Options		Finish
TWS LED	P1	2,124 lumens	50K	5000K <sup>1</sup>	MVOLT	120-277V <sup>2</sup>	PE	Photoelectric cell, button type	DDB Dark bronze

#### NOTES

- Corrected color temperature (CCT) shown is nominal per ANSI C78, 377-2015.
- MVOLT driver operates on any line voltage from 120-277V (50/60Hz).

### FEATURES & SPECIFICATIONS

#### INTENDED USE

The TWS LED combines traditional wall pack design with high-output LEDs to provide an energy-efficient, low maintenance LED wall pack suitable for replacing up to 70W HPS or 100W MH fixtures. The traditional shape helps maintain building aesthetics when replacing only a portion of your building's wall packs. TWS LED is for outdoor applications such as personnel doors, loading areas, driveways and parking areas.

#### CONSTRUCTION

Back plate is die-cast aluminum. Front cover is impact-resistant polycarbonate which is fully gasketed. All electronics are protected in the upper housing. Housing is sealed against moisture and environmental contaminants.

#### FINISH

UV stabilized polycarbonate front cover has dark bronze color which provides superior resistance to corrosion and weathering and that can withstand extreme climate changes without cracking or peeling.

#### OPTICS

Protective polycarbonate lens covers the LEDs. Prismatic front cover and precision-molded reflector for superior uniformity and fixture spacing. Light engine is available in 5000K (80 min. CRI).

#### ELECTRICAL

Light engine consists of two high-powered, long-life, high-efficacy LEDs mounted on an internal aluminum heat sink to maximize heat dissipation and promote long life L70/50,000 hours at 40°C. Driver and integral photocell operate at 120V and are fully enclosed in the upper housing. There are no user serviceable parts.

#### INSTALLATION

Back housing easily mounts to any recessed junction box. With all electronics in upper housing the open lower section makes wiring easy. Mount on any vertical surface. Not recommended in applications where a sprayed stream of water can come in direct contact with polycarbonate lens.

#### LISTINGS

UL Certified to US and Canadian safety standards for wet-location mounting higher than 4 feet off the ground. 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.

Rated for -40°C to 40°C ambient temperature.

#### WARRANTY

5-year limited warranty. This is the only warranty provided and no other statements in this specification sheet create any warranty of any kind. All other express and implied warranties are disclaimed. 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 are subject to change without notice.



COMMERCIAL OUTDOOR

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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. Actual performance may differ as a result of end-user environment and application.

Performance Package	CCT	System Watts	50K (5000K, 80 CRI)				
			Lumens	B	U	G	LPW
			P1	5000K	18W	2,124	1

### 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	1.03
10°C	50°F	1.02
20°C	68°F	1.01
<b>25°C</b>	<b>77°F</b>	<b>1.00</b>
30°C	86°F	0.99
40°C	104°F	0.98

### Electrical Load

LED Package	System Watts	Current (A)	
		120V	277V
P1	18W	0.15	0.065

### Projected LED Lumen Maintenance

Data references the extrapolated performance projections in a **40°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	1.0	0.97	0.96	0.95

## Photometric Diagrams

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

