TWR1 LED ALO

Adjustable Lumen Output

Catalog Number

Notes

Type

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

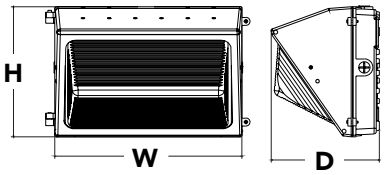
Specifications

Width: 12-15/16" *(32.9 cm)*

Height: 9" *(22.9 cm)*

Depth: 7-1/2" *(19 cm)*

Weight: 11.95 lbs *(5.42kg)*



Introduction

The TWR1 LED luminaire is powerful yet energy efficient, capable of replacing up to a 250W metal halide luminaire while saving up to 86% in energy costs. Offering an expected service life of more than 20 years, the TWR1 LED eliminates frequent lamp and ballast replacements associated with traditional technologies. The Adjustable Light Output (ALO) feature allows the contractor to set the light output during installation, to a level perfectly suited for the job site. The TWR1 LED ALO luminaires can replace anything from 70W to 250W metal halide luminaires.

Ordering Information

EXAMPLE: TWR1 LED ALO 40K MVOLT DDBTXD

TWR1 LED					
Series	**Performance Package**	**Color Temperature**	**Voltage**	**Controls**	**Finish**
TWR1 LED	ALO 1,100 to 6,200 lumens	40K 4000 K [1]	MVOLT[2] 347	(blank) No controls PE Photo control	DDBTXD Textured dark bronze

NOTES

1. Correlated color temperature (CCT) shown is nominal per ANSI C78, 377-2008.
2. MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).

FEATURES & SPECIFICATIONS

INTENDED USE

The TWR1 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 250W MH fixtures. The traditional shape helps maintain building aesthetics when replacing only a portion of your building's wall packs. TWR1 LED is ideal for outdoor applications such as carports, loading areas, driveways and parking areas.

CONSTRUCTION

Rugged cast-aluminum housing with bronze polyester powder paint for lasting durability. Door is hinged on the side so door swings out of the way during installation and service. Castings are sealed with a one-piece gasket to inhibit the entrance of external contaminants. MVOLT driver operates on any line voltage from 120-277V (50/60Hz). All luminaires have 6kV surge protection. Rated for outdoor installations, -40°C minimum ambient. Please consult factory for surge rating of photocells.

OPTICS

High-performance LEDs maintain up to 90% of light output at 100,000 hours of service life (L90/100,000 hours). Prismatic glass lens designed for superior lighting distribution, uniformity and fixture spacing. See Lighting Facts label and photometry reports for specific fixture performance.

INSTALLATION

Designed for wall mounting above four feet from ground. Housing is configured for mounting directly over a standard 4" outlet box (by others) or for surface wiring via any of three convenient 1/2" threaded conduit entry hubs.

LISTINGS

UL Listed to U.S. and Canadian safety standards for wet locations. Tested in accordance with IESNA LM-79 and LM-80 standards.

DesignLights Consortium® (DLC) Premium qualified product. Not all versions of this product may be DLC Premium qualified. Please check the DLC Qualified Products List at www.designlights.org/QPL to confirm which versions are qualified.

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/support/warranty/terms-and-conditions

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.

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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.

ALO SETTING	INPUT POWER	LUMEN OUTPUT	REPLACES METAL HALIDE
1	9W	1,100	70W
2	14W	1,700	70W
3	18W	2,200	100W
4	24W	3,000	150W
5	29W	3,500	150W
6	34W	4,100	150W
7	41W	5,000	175W
8*	51W	6,200	250W

*Default setting is at maximum output #8

Electrical Load

Power Package	System Watts	Current Load (A) @ 120V	208V	240V	277V	347V
ALO (default setting)	51W	0.43	0.25	0.21	0.18	0.15

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	1.01
20°C	68°F	1.00
25°C	**77°F**	**1.00**
30°C	86°F	0.99
40°C	104°F	0.98

Projected LED Lumen Maintenance

Data references the extrapolated performance projections in a **40°C ambient**, based on 6,000 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	60,000	100,000
LM Factor TWR1 LED	1.0	>0.96	>0.94	>0.92	>0.90

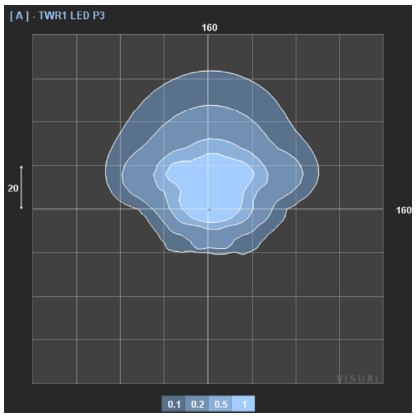
Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit the Lithonia Lighting TWR1 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

TWR1 LED ALO Setting 6. Mounting height - 20'



TWR1 LED ALO Setting 8 (Maximum). Mounting height - 20'