TWR2 LED
LED Wall Luminaire

Catalog Number

Notes

Type

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

Introduction

This popular TWR2 wall luminaire combines classic day form with long-lasting, energy-efficient LED technology - perfect for Metal Halide replacements.

The TWR2 LED luminaire replaces up to a 400W metal halide luminaire while saving up to 85% in energy costs. With an expected service life of more than 20 years, the TWR2 LED eliminates frequent lamp and ballast replacements associated with traditional technologies.

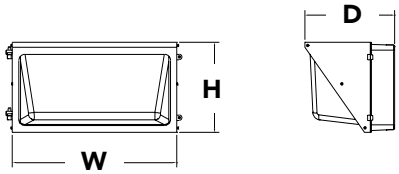
Specifications

Width: 17″ *(43.2 cm)*

Height: 9″ *(22.9 cm)*

Depth: 9-5/16″ *(23.6 cm)*

Weight: 17.2 lbs *(7.8 kg)*



Ordering Information

EXAMPLE: TWR2 LED P1 50K MVOLT DDBTXD

TWR2 LED					
Series	**Performance Package**	**Color Temperature**	**Voltage**	**Controls**	**Finish**
TWR2 LED	P1 8,150 lumens P2 9,700 lumens	40K 4000 K 50K 5000 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, 377-2015.

2 MVOLT driver operates on any line voltage from 120-277V (50/60 Hz).

FEATURES & SPECIFICATIONS

INTENDED USE
The TWR2 LED combines traditional wall pack design with energy-efficient, low maintenance LEDs for replacing up to 400W Metal Halide luminaires. The traditional shape helps maintain building aesthetics when replacing only a portion of your building's wall packs. TWR2 LED is ideal for outdoor applications such as carports, loading areas, driveways and parking areas.

CONSTRUCTION
Cast aluminum housing with bronze polyester powder paint for lasting durability. Door is hinged on the side and swings out of the way during installation and service. Castings are sealed with a one-piece gasket. Rated for outdoor installations, -40°C minimum ambient.

ELECTRICAL
Long-lasting, energy efficient LEDs maintain 70% or more of light output after 100,000 hours of service life (L70/100,000 hours). MVOLT driver operates on any line voltage from 120-277V (50/60Hz). 10kV surge protection included.

INSTALLATION
Designed for wall mounting four feet or higher 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) qualified product. Not all versions of this product may be DLC qualified. Please check the DLC Qualified Products List at www.designlights.org 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.

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.

Performance Package	CCT	System Watts	50K (5000 K, 67 CRI)	
			Lumens	LPW
P1	5000 K	64W	8,150	127
P2	5000 K	73W	9,700	133

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

Electrical Load

Fixture Model No.	System Watts	Current (A)		
		120V	277V	347V
TWR2 LED P1 50K MVOLT	64W	0.53	0.23	0.18
TWR2 LED P2 50K MVOLT	73W	0.61	0.26	0.21

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 TWR2 LED P1	1.0	>0.96	>0.94	>0.92	>0.90

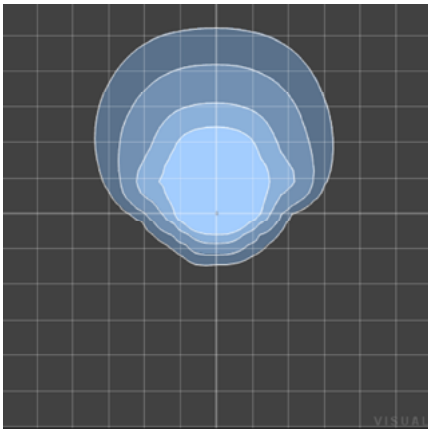
Photometric Diagrams

To see complete photometric reports or download .ies files for this product, visit the Lithonia Lighting TWR2 LED homepage. Tested in accordance with IESNA LM-79 and LM-80 standards

LEGEND

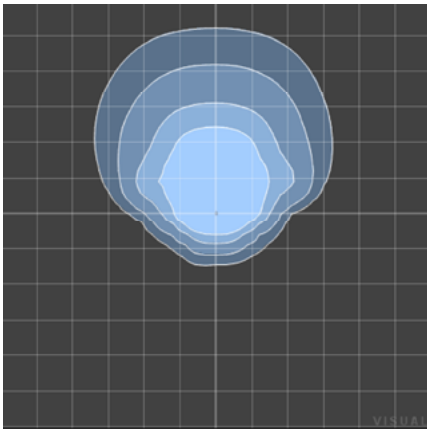
- 0.2 fc
- 0.5 fc
- 1.0 fc
- 2.0 fc

TWR2 LED P1 50K MVOLT. Mounting height - 15'

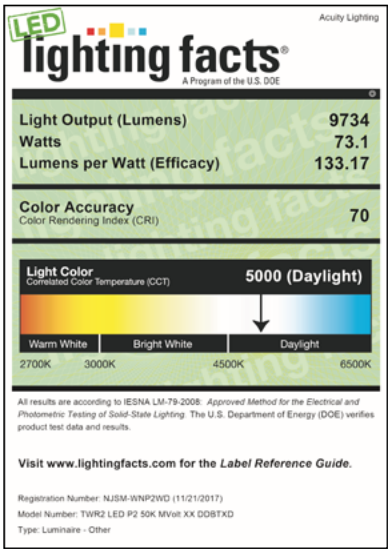


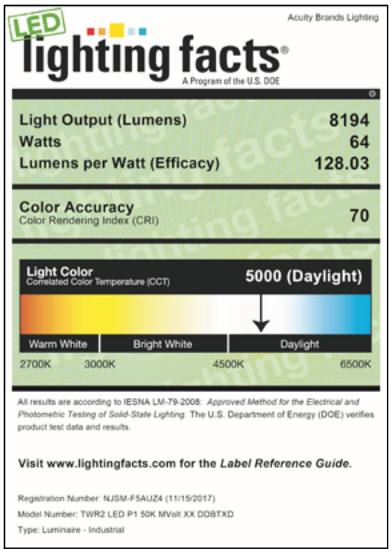
Test No. ISF 32822 tested in accordance with IESNA LM-79-08.

TWR2 LED P2 50K MVOLT. Mounting height - 15'



Lighting Facts Labels





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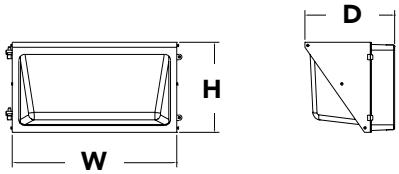

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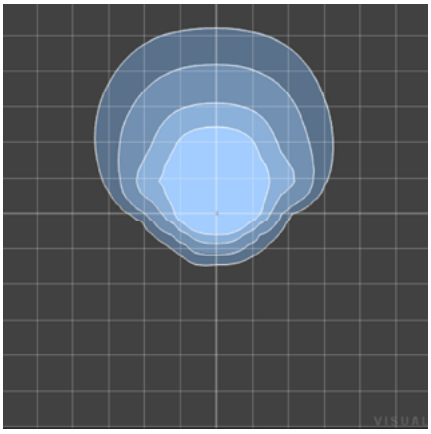
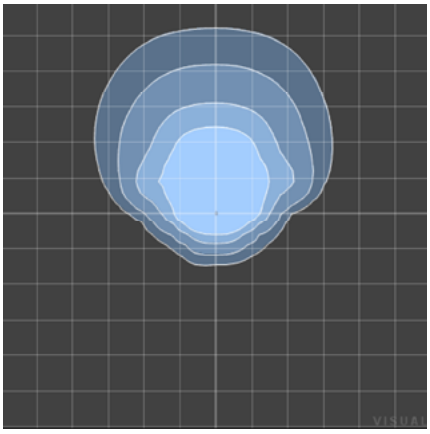


Test No. ISF 32822 tested in accordance with IESNA LM-79-08.

TWR2 LED P2 50K MVOLT. Mounting height - 15'



Lighting Facts Labels