TWR1 LED
LED Wall Luminaire

Catalog Number

Notes

Type

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

Introduction

The popular TWR1 luminaire is now available with long-lasting, energy-efficient LED technology. Featuring a classic dayform, the TWR1 LED offers a traditional appearance and is powered by advanced LEDs.

The TWR1 LED luminaire is powerful yet energy efficient, capable of replacing up to a 320W metal halide luminaire while saving up to 80% 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.

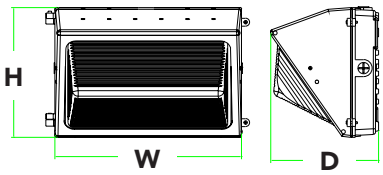
Specifications

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

Height: 9" *(22.9 cm)*

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

Weight: 11.95 lbs *(5.42kg)*



Ordering Information

EXAMPLE: TWR1 LED 2 50K MVOLT DDB

TWR1 LED				
Series	**Performance Package**	**Color Temperature**	**Voltage**	**Finish**
TWR1 LED	1 2126 lumens 2 3527 lumens 3 4875 lumens	50K 5000K [1]	MVOLT [2]	DDB Dark bronze

NOTES

1 Correlated color temperature (CCT) shown is nominal per ANSI C78, 377-2008. Except TWR1 LED 1 which is 5400 CCT

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 320W 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). 6kV surge protection. Rated for outdoor installations, -40°C minimum ambient.

OPTICS
High-performance LEDs maintain up to 87% of light output at 100,000 hours of service life (L87/100,000 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.

WARRANTY
Five-year limited warranty. Full warranty terms located at www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx.

Note: Specifications are subject to change without notice. Actual performance may differ as a result of end-user environment and application

LITHONIA LIGHTING

One Lithonia Way • Conyers, Georgia 30012 • Phone: 800.279.8041 • Fax: 770.918.1209 • www.lithonia.com

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	Drive Current (mA)	CCT	System Watts	50K (5000K, 67 CRI)				
				Lumens	B	U	G	LPW
1	960	5400K	35W	2126	0	3	2	62
2	530	5000K	41W	3527	1	3	3	86
3	530	5000K	59W	4875	1	3	3	83

Electrical Load

LED Package	Drive Current (mA)	System Watts	Current (A)			
			120	208	240	277
1	960	35W	0.34	0.20	0.17	0.15
2	530	41W	0.40	0.23	0.20	0.17
3	530	59W	0.56	0.32	0.28	0.24

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 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	60,000	100,000
LM Factor TWR1 LED 1	1.0	.93	.88	.86	.79
LM Factor TWR1 LED 2	1.0	.94	.91	.90	.86
LM Factor TWR1 LED 3	1.0	.94	.92	.91	.87

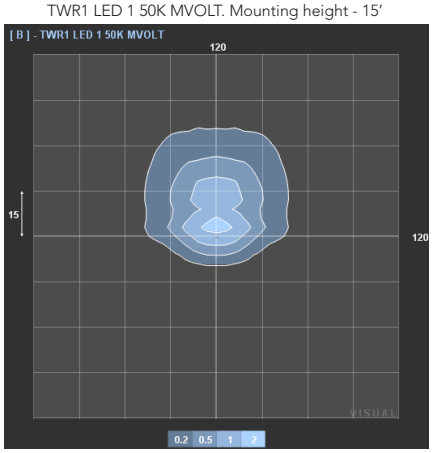
Photometric Diagrams

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

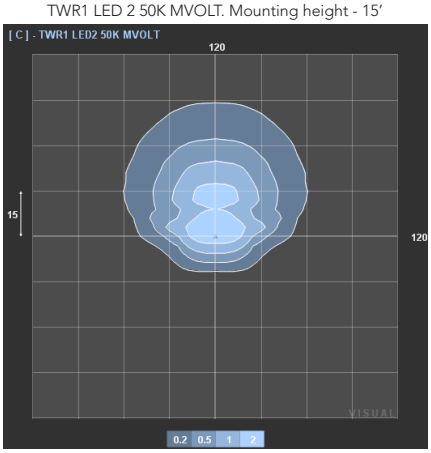
- 0.2 fc
- 0.5 fc
- 1.0 fc
- 2.0 fc

TWR1 LED 1 50K MVOLT. Mounting height - 15'



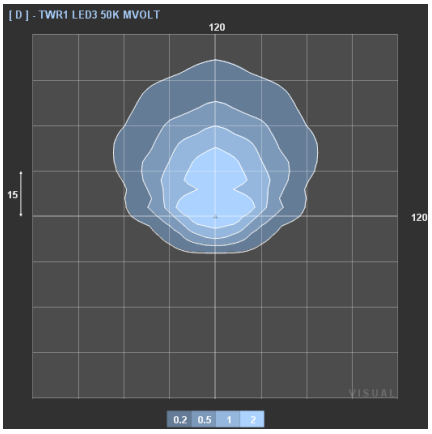
Test No. LTL22697 tested in accordance with IESNA LM-79-08.

TWR1 LED 2 50K MVOLT. Mounting height - 15'



Test No. LTL22696 tested in accordance with IESNA LM-79-08.

TWR1 LED 3 50K MVOLT. Mounting height - 15'



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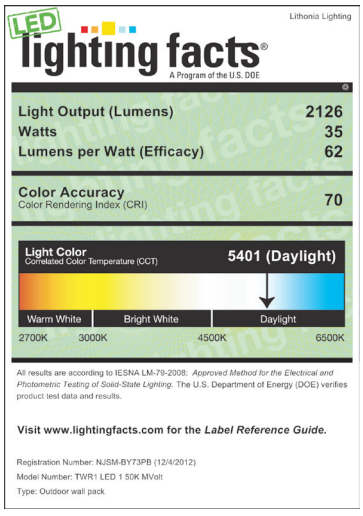
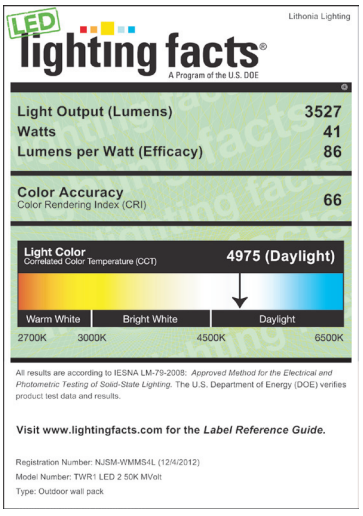
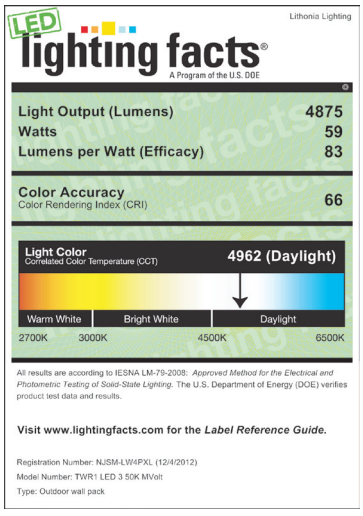
Lighting Facts Labels







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