



TWX1 LED

LED Wall Luminaire



Catalog
Number

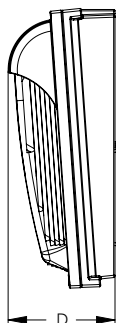
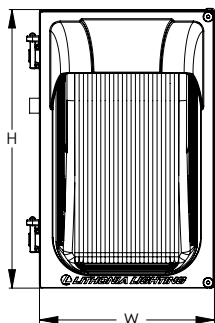
Notes

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Specifications

Depth: 5.0"
Height: 12.0"
Width: 7.5"
Weight: 9 lbs
(without options)



Introduction

TWX LED wall pack family, a ground-up design that has the low initial cost customers demand while providing superior performance and a traditional form. The TWX1 LED is energy efficient saving up to 83% in energy costs when replacing a metal halide luminaire. Offering an expected service life of more than 20 years, the TWX1 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 TWX1 LED ALO luminaires can replace anything from a CFL to 100W metal halide luminaire.

TWX LED Family Overview

Luminaire	Voltage	Photocell	Lumens (4000K)			
			P1	P2	P3	P4
TWX1 LED	MVOLT (120-277V)	YES	1,600	2,950	--	--
TWX2 LED	MVOLT (120-277V), 347V, 480V	YES	3,250	4,400	5,250	6,850
TWX3 LED	MVOLT (120-277V), 347V	YES	8,800	10,650	12,900	13,850

Ordering Information

EXAMPLE: TWX1 LED P2 40K MVOLT PE DDBXD

Series	Package	Color Temperature	Voltage	Options	Finish
TWX1 LED	P1 1,600 lumens	30K 3000K	MVOLT (120-277V)	PE Photocell, Button Type	DDBXD Dark bronze
	P2 2,950 lumens	40K 4000K			DBLXD Black
	ALO 600 - 2,950 lumens	50K 5000K			DWHXD White
					DNAXD Natural aluminum
					DBTXD Textured dark bronze
					DBLTXD Textured black
					DWHTXD Textured White
					DNATXD Textured natural aluminum

FEATURES & SPECIFICATIONS

INTENDED USE

The TWX1 LED is an energy-efficient, low maintenance LED wall pack for replacing up to a 70W HPS or 100W MH fixture, providing the same footprint on the wall. TWX1 is ideal for lower mounting height applications such as above the door, storage units, and strip malls.

CONSTRUCTION

Two-piece die-cast aluminum housing to optimize thermal management through conductive and convective cooling. The door is hinged on the side and can be removed for easy installation. The housing is completely sealed against moisture and environmental contaminants (IP65) and is suitable for the hose-down applications.

FINISH

Exterior painted 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 3 mils thickness for a finish that can withstand extreme climate changes without cracking or peeling.

OPTICS

The advanced optical design uses both reflector and refractor technologies that work together to create superior illumination and further throw, getting the light where it is needed. The US-made borosilicate glass refractor is specifically designed to maximize light extraction and create a fully luminous luminaire for a better nighttime look.

ELECTRICAL

Light engine consists of high-efficacy LEDs mounted to housing to maximize heat dissipation and promote long-life (up to L81/100,000 hours at 25°C). The electronic driver has a power factor of >90%, THD <20%.

INSTALLATION

Designed for wall mounting above four feet from the ground. Housing is configured for mounting directly over a standard junction box (by others) or for surface wiring via the 1/2" threaded conduit entry on the top.

LISTINGS

CSA certified to U.S. and Canadian standards. IP65 rated for outdoor applications. Rated for -40°C minimum ambient. 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/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.



COMMERCIAL OUTDOOR

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TWX1 LED
Rev. 09/22/21

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.

Performance Package	System Watts	30K (3000K, 80 CRI)		40K (4000K, 80 CRI)		50K (5000K, 80 CRI)	
		Lumens	LPW	Lumens	LPW	Lumens	LPW
P1	11W	1,550	141	1,600	145	1,600	145
P2/ALO	22W	2,850	130	2,950	134	2,950	134

Electrical Load

Performance Package	System Watts	Current (A)			
		120V	208V	240V	277V
P1	10W	0.095	0.055	0.047	0.041
P2/ALO	15W	0.187	0.108	0.094	0.081

Adjustable Lumen Output (ALO) Table

Setting	System Watts	Lumen Output	Replaces Metal Halide
8*	22W	2,950	100W
7	21W	2,800	
6	17W	2,450	
5	15W	2,100	70W
4	12W	1,750	
3	9W	1,350	CFL
2	6W	950	
1	4W	600	

* Factory default setting is #8

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 platforms noted 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	60,000	100,000
Lumen Maintenance Factor	1.0	>0.95	>0.90	>0.88	>0.81

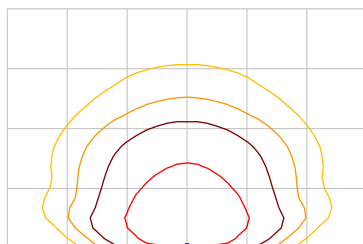
Photometric Diagrams

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

LEGEND

0.25 fc
0.5 fc
1.0 fc
3.0 fc

MH = 10ft
Grid = 10ft x 10ft
ISO lines = 0.25fc, 0.5fc, 1.0fc, 3.0fc



TWX1 LED ALO