TWX2 LED
LED Wall Luminaire

Catalog Number

Notes

Type

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

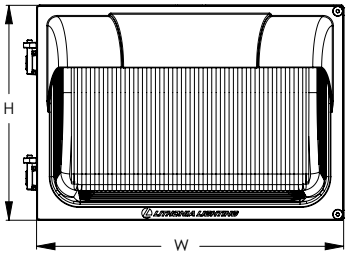
Introduction

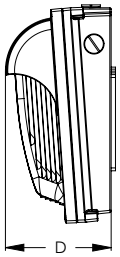
TWX LED wall pack family, a ground-up design that has the low initial cost customers demand while providing superior performance and a traditional form. The TWX2 LED is energy efficient, saving up to 82% in energy costs when replacing a metal halide luminaire. Offering an expected service life of more than 20 years, the TWX2 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 TWX2 LED ALO luminaires can replace anything from a 70W to 250W metal halide luminaire.

Specifications

Depth: 4.5"
Height: 9.0"
Width: 13.0"
Weight: (without options) 11 lbs





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: TWX2 LED ALO 40K MVOLT DDBXD

Series	Package	Color Temperature	Voltage	Options	Finish	
TWX2 LED	P1 3,250 lumens P2 4,400 lumens P3 5,250 lumens P4 6,850 lumens ALO 1,450 - 6,850 lumens	30K 3000K 40K 4000K 50K 5000K	MVOLT (120-277V) 347 480	PE Photocell, Button Type	DDBXD Dark bronze DBLXD Black DWHXD White DNAXD Natural aluminum	DDBTXD Textured dark bronze DBLBXD Textured black DWHGXD Textured White DNATXD Textured natural aluminum

Accessories

*543982 RK1 PEB SHLD U Button style photocell shield

FEATURES & SPECIFICATIONS

INTENDED USE
The TWX2 LED is an energy-efficient, low maintenance LED wall pack for replacing up to a 250W MH fixture, providing the same footprint on the wall. TWX2 is ideal for applications such as carports, loading areas, driveways and parking areas.

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 any of three 1/2" threaded entry hubs.

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. 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.

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	23W	3,100	135	3,250	141	3,250	141
P2	32W	4,200	131	4,400	138	4,400	138
P3	39W	5,050	129	5,250	135	5,250	135
P4/ALO	54W	6,550	121	6,850	127	6,850	127

Electrical Load

Performance Package	System Watts	Current (A)					
		120V	208V	240V	277V	347V	480V
P1	23W	0.195	0.112	0.097	0.084	0.067	0.049
P2	32W	0.268	0.154	0.134	0.116	0.093	0.067
P3	39W	0.326	0.188	0.163	0.141	0.113	0.082
P4/ALO	54W	0.447	0.258	0.224	0.194	0.155	0.112

Adjustable Lumen Output (ALO) Table

Setting	System Watts	Lumen Output	Replaces Metal Halide
8*	54W	6,850	250W
7	51W	6,550	
6	42W	5,650	150/175W
5	36W	4,900	
4	29W	4,050	
3	22W	3,200	100W
2	15W	2,200	70W
1	9W	1,450	

* 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.

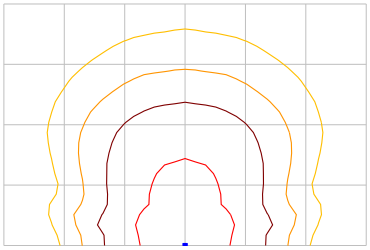
Operating Hours	0	25,000	50,000	60,000	100,000
Lumen Maintenance Factor	1.0	>0.95	>0.90	>0.88	>0.81

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



TWX2 LED ALO

MH = 15ft
Grid = 15ft x 15ft
ISO lines = 0.25fc, 0.5fc, 1.0fc, 3.0fc