



TWPX3 LED

Vandal Resistant LED Wall Luminaire

Catalog Number
Notes
Type

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

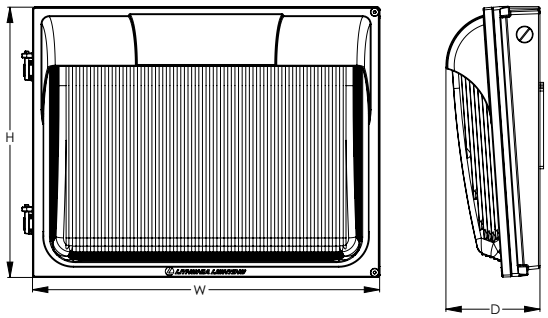
Introduction

The TWPX LED wall pack family features premium polycarbonate lenses that are designed to make these luminaires tough enough to take real world abuse in applications such as parks and recreation areas, locker rooms, entry ways or any public space that has high-traffic. The TWPX3 LED is energy efficient, saving up to 84% in energy costs when replacing a metal halide luminaire.

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 TWPX3 LED ALO luminaires can replace anything from a 100W to 400W metal halide luminaire.

Specifications

- Depth:** 5.0"
- Height:** 14.0"
- Width:** 18.0"
- Weight:** 13 lbs (without options)



TWPX LED Family Overview

Luminaire	Voltage	Photocell	Lumens (4000K)			
			P1	P2	P3	P4
TWPX1 LED	MVOLT (120-277V)	YES	1,450	2,700	--	--
TWPX2 LED	MVOLT (120-277V), 347V, 480V	YES	3,150	4,250	5,050	6,600
TWPX3 LED	MVOLT (120-277V), 347V	YES	8,400	10,150	12,300	13,200

Ordering Information

EXAMPLE: TWPX3 LED ALO 40K MVOLT DDBXD

Series	Package	Color Temperature	Voltage	Options	Finish			
TWPX3 LED	P1	8,400 lumens	MVOLT (120-277V)	PE Photocell, Button Type	DDBXD	Dark bronze	DDBTXD	Textured dark bronze
	P2	10,150 lumens			347	DBLXD	Black	DBLTXD
	P3	12,300 lumens	50K		DWHXD	White	DWHGXD	Textured White
	P4	13,200 lumens	5000K		DNAXD	Natural aluminum	DNATXD	Textured natural aluminum
	ALO	2,750 - 13,200 lumens						

Accessories

*543982 RK1 PEB SHLD U Button style photocell shield

FEATURES & SPECIFICATIONS

INTENDED USE

The TWPX3 LED is an energy-efficient, low maintenance LED wall pack for replacing up to a 400W MH fixture, providing the same footprint on the wall. TWPX3 is ideal for higher mounting height applications such as industrial buildings, warehouses and schools.

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 UV stabilized polycarbonate 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%. Luminaire is 0-10V dimmable.

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.

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.



COMMERCIAL OUTDOOR

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TWPX3 LED
Rev. 11/30/22

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	65W	8,050	124	8,400	129	8,400	129
P2	79W	9,700	123	10,150	128	10,150	128
P3	97W	11,750	121	12,300	127	12,300	127
P4/ALO	108W	12,600	117	13,200	122	13,200	122

Electrical Load

Performance Package	System Watts	Current (A)				
		120V	208V	240V	277V	347V
P1	65W	0.538	0.310	0.269	0.233	0.186
P2	79W	0.656	0.379	0.328	0.284	0.227
P3	97W	0.806	0.465	0.403	0.349	0.279
P4/ALO	108W	0.900	0.519	0.450	0.390	0.311

Adjustable Lumen Output (ALO) Table

Setting	System Watts	Lumen Output	Replaces Metal Halide
8*	108W	13,200	400W
7	102W	12,650	
6	85W	10,900	
5	71W	9,450	250W
4	57W	7,800	
3	44W	6,150	150/175W
2	29W	4,250	100W
1	18W	2,750	

* 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	1.04
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.

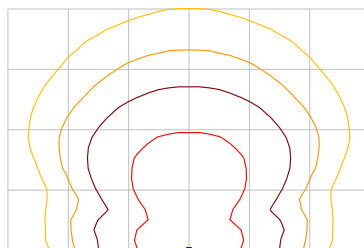
Operating Hours	0	25,000	50,000	60,000	100,000
Lumen Maintenance Factor	1.0	>0.95	>0.90	>0.88	>0.81

Photometric Diagrams

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



TWPX3 LED ALO

MH = 18ft
Grid = 18ft x 18ft