



Small Size: 27W/45W/62W



Large Size: 100W



PRODUCT DESCRIPTION

The MWP14 series is a high end design in our Wallpack category, which is CCT and Power selectable. The installation can be done without opening the driver box and the Photocell, Sensor and Emergency back up are also available for this version. As versatile as it is efficient, MWP14 is designed to replace up to 400W metal halide, while saving up to 87% in energy costs. The classic architectural shape of the MWP14 series was designed for applications such as Hotels, Restaurants, Schools, Offices, warehouses and other commercial buildings.

SPECIFICATIONS

Construction

- Sealed die-casting profile for outdoor applications.
- Casting thermally conducts LED heat to optimize performance and long life.
- Suitable for applications requiring 3G vibration test according to ANSI C136.31

Optics

- Single CCT 3000K, 4000K and 5000K are available for standard version, also offer the color tunable version, the CCT can be changed to 3000K/4000K/5000K.
- Lumen output can be adjustable from 3,200 to 13,200 lm.
- UV stabilized polycarbonate and glass are both available for the optic lens. The professional prismatic design offers a good light distribution control and guarantees uniformity.

Electrical

- Universal 120-277VAC input voltage.
 - 1-10V Dimming.
 - Both drivers have a power factor >90%, THD <20%.
 - Operation Temperature Range: -40°C to 40°C (-40 F - + 104 F).
- Note: Operating with emergency battery temperature range: 10°C to 40°C (+50 °F - + 104 F).

Lifespan

- Estimated 50,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations.

Warranty

- Five-year warranty.

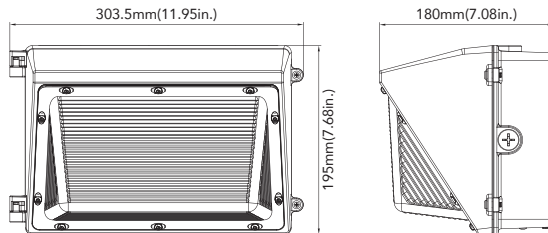
Note

- Actual performance may differ as a result of end-user environment and application. All values are measured under laboratory conditions at 25°C (±5°C), specifications subject to change without notice.

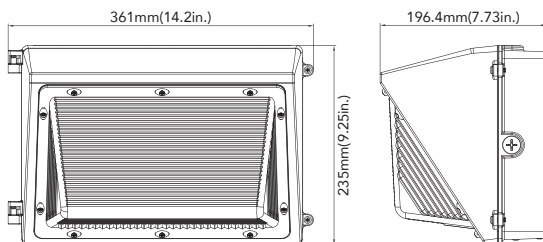
DIMENSIONS

unit: mm/inch

Small Size: 27W/45W/62W



Large Size: 100W



ORDERING INFORMATION

EXAMPLE: MWP14-45W-27V-DDK-D-C-P0-M-B



Model	Wattage	Voltage	CCT	Finish	Lens (Option)	Photocell (Option)	Sensor (Option)	Emergency Battery (Option)
MWP14 = Wall Pack Series	27 = 27W 45 = 45W 62 = 62W 100 = 100W	27V = 120-277V	DDK = Adjustable color temperature	D = Dark Bronze	C = Plastic Diffuser G = Glass Diffuser	P0 = 120-277V Photocell Blank = Without Photocell	M = With Sensor Blank = Without Sensor	B = Emergency Battery Blank = Without Emergency Battery

Note: Only 100W is not suitable for Emergency Battery.

PERFORMANCE DATA

SYSTEM WATTS	VOLTAGE	DIFFUSER	CRI	LUMENS (3000K)	LPW (3000K)	LUMENS (4000K)	LPW (4000K)	LUMENS (5000K)	LPW (5000K)
27W	120-277VAC	PC Diffuser	70	3300lm	122 lm/W	3600lm	133 lm/W	3400lm	126 lm/W
		Glass Diffuser	70	3200lm	119 lm/W	3500lm	130 lm/W	3300lm	122 lm/W
45W	120-277VAC	PC Diffuser	70	5300lm	118 lm/W	5900lm	131 lm/W	5500lm	122 lm/W
		Glass Diffuser	70	5200lm	116 lm/W	5800lm	129 lm/W	5400lm	120 lm/W
62W	120-277VAC	PC Diffuser	70	7700lm	124 lm/W	8100lm	131 lm/W	7800lm	126 lm/W
		Glass Diffuser	70	7600lm	123 lm/W	7900lm	127 lm/W	7700lm	124 lm/W
100W	120-277VAC	PC Diffuser	70	12200m	122 lm/W	13200m	132 lm/W	12400m	124 lm/W
		Glass Diffuser	70	12000m	120 lm/W	13000m	130 lm/W	12200m	122 lm/W

ADJUSTABLE LUMEN OUTPUT TABLE

		27W		45W		62W		100W	
SETTING	DIFFUSER	SYSTEM WATTS	LUMENS (5000K)	SYSTEM WATTS	LUMENS (5000K)	SYSTEM WATTS	LUMENS (5000K)	SYSTEM WATTS	LUMENS (5000K)
100%	PC Diffuser	26.60	3469.90	45.22	5495.70	63.73	7814.20	100.90	12468.10
80%	PC Diffuser	20.77	2805.82	33.79	4341.60	52.19	6640.51	78.80	10160.25
60%	PC Diffuser	15.38	2163.14	26.24	3527.69	39.29	5255.05	61.62	8581.79
40%	PC Diffuser	9.86	1428.21	17.76	2514.28	26.07	3675.80	40.83	6089.42
100%	Glass Diffuser	26.65	3323.90	45.17	5404.30	63.54	7712.70	100.00	12216.90
80%	Glass Diffuser	20.81	2687.71	33.75	4269.40	52.03	6554.25	78.10	9955.55
60%	Glass Diffuser	15.41	2072.12	26.21	3469.02	39.17	5186.79	61.07	8408.89
40%	Glass Diffuser	9.88	1368.12	17.74	2472.47	25.99	3628.05	40.47	5966.73

ELECTRICAL DATA

Number Of Drivers	Driver Current (mA)	Nominal Power (W)	INPUT VOLTAGE (V)	CURRENT (Amps)
1	670	27	120	0.23
		27	208	0.13
		27	240	0.11
		27	277	0.10
1	1120	45	120	0.38
		45	208	0.22
		45	240	0.19
		45	277	0.16
1	1650	62	120	0.52
		62	208	0.30
		62	240	0.26
		62	277	0.22
1	2600	100	120	0.83
		100	208	0.48
		100	240	0.42
		100	277	0.36

STRUCTURAL DESIGN

**Photocell (Option)**

Optional photocell allows for security and energy saving.

Mounting

The external portable mounting plate makes installation super easy and simple. There's no need to open fixture housing, nor drill on housing, which greatly minimizes the risk of water ingress.

**Emergency (Option)**

8W Emergency battery, 900lm, 90min. Only suitable for 27W,45W,65W

**Occupancy Sensor (Optional)**

PHOTOMETRICS

