

WALL PACK (MWP16)



DESCRIPTION

The LED MWP16 series is the wall pack that combines the dimensions of traditional wall packs with modern aesthetics. Its ultra-thin design meets the low-budget requirements of customers while providing excellent lighting service. Its sleek and low-profile appearance seamlessly integrates into various architectural styles, while completely covering the unsightly stains left by typical metal halide wall packs. UV-resistant polycarbonate lenses and durable glass lenses are available options. Additionally, the MWP16 allows on-site adjustment of light output and color temperature, and has multi-functionality such as photocell control and emergency lighting. With its powerful features and long lifespan, the MWP16 is definitely your ideal choice for a wall pack.

SPECIFICATION FEATURES

Construction

- Rugged cast-aluminum housing with bronze polyester powder paint for outdoor applications.
- Casting thermally conducts LED heat to optimize performance and long life.
- The housing is completely sealed, providing excellent protection against moisture and environmental contaminants.

Optics

- Light engines are available in CCT adjustable, the CCT can be changed to 3000K/4000K/5000K (70/80 CRI).
- Scalable Lumen Packages from 2,400 to 16,000 Lumens.
- UV stabilized polycarbonate and glass are both available for the optic lens, the professional prismatic design offers a good light distribution control and guarantees the uniformity.

Electrical

- Universal 120-277VAC input voltage.
 - Optional 0-10V dimming and dimming range from 10%-100%.
 - Four adjustable Wattage levels available for each model.
 - Both drivers have a power factor >90%, THD <15%.
 - Operating 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).

Certifications

- UL cUL wet location listed.
 - DesignLights Consortium™ Qualified.
- Note: DesignLights Consortium™ Qualified and classified for DLC Premium (all lumen packages), refer to www.designlights.org for details.

Lifespan

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



Warranty

- Five-year limited warranty.

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(±5°C specifications subject to change without notice.

ACCESSORIES(Optional)



Emergency Battery Backup

Description:
8W 900lm 90min, suit for 60W, 90W,120W
5W 600lm 90min, suit for 40W



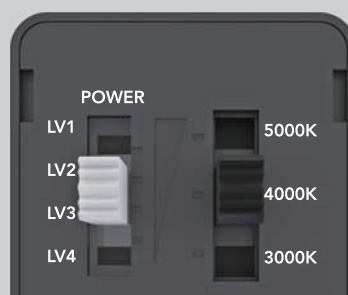
CCT and Wattage controller

Description:
Power adjustment range:40W-32W-27W-16W
90W-70W-50W-30W
90W-70W-50W-30W
120W-100W-80W-50W
CCT adjustment range: 3000K,4000K,5000K.



CCT AND WATTAGE CONTROLLER

This fixture has the function of adjusting the lumens output and color temperature on-site.



Power adjustment range: 40W-32W-27W-16W
60W-50W-40W-25W
90W-70W-50W -30W
120W-100W-80W-50W
CCT selectable: 3000K, 4000K, 5000K

Built-in photocell

Enable or disable the photocell by removing the screw plug and adjusting the dip switch to your desired setting.



PERFORMANCE DATA

MWP1640W								
SETTING	SYSTEM WATTS	CRI	3000K		4000K		5000K	
			LUMENS	LPW	LUMENS	LPW	LUMENS	LPW
Level 1	40	80	5400lm	135 lm/W	5800lm	145 lm/W	5500lm	138lm/W
Level 2	32	80	4500lm	141 lm/W	4800lm	150 lm/W	4600lm	144 lm/W
Level 3	27	80	3900lm	144 lm/W	4200lm	156 lm/W	4000lm	148 lm/W
Level 4	16	80	2400lm	150 lm/W	2600lm	163lm/W	2500lm	156 lm/W

MWP1660W								
SETTING	SYSTEM WATTS	CRI	3000K		4000K		5000K	
			LUMENS	LPW	LUMENS	LPW	LUMENS	LPW
Level 1	60W	80	8000lm	133 lm/W	8500lm	142 lm/W	8200lm	137 lm/W
Level 2	50W	80	7000lm	140 lm/W	7500lm	150 lm/W	7200lm	144 lm/W
Level 3	40W	80	6000lm	150 lm/W	6400lm	160 lm/W	6200lm	155 lm/W
Level 4	25W	80	4000lm	160 lm/W	4300lm	172 lm/W	4200lm	168 lm/W

MWP1690W								
SETTING	SYSTEM WATTS	CRI	3000K		4000K		5000K	
			LUMENS	LPW	LUMENS	LPW	LUMENS	LPW
Level 1	90W	80	12000lm	133 lm/W	12500lm	139lm/w	12200lm	136lm/w
Level 2	70W	80	9800lm	140 lm/W	10200lm	145 lm/W	9900lm	142 lm/W
Level 3	50W	80	7500lm	150 lm/W	7800lm	155lm/W	7600lm	152lm/W
Level 4	30W	80	4800lm	160 lm/W	5000lm	165lm/W	4900lm	162lm/W

MWP16120W								
SETTING	SYSTEM WATTS	CRI	3000K		4000K		5000K	
			LUMENS	LPW	LUMENS	LPW	LUMENS	LPW
Level 1	120W	80	16000lm	133 lm/W	16500lm	138 lm/W	16200lm	135 lm/W
Level 2	100W	80	14000lm	140 lm/W	14500lm	145 lm/W	14200lm	142 lm/W
Level 3	80W	80	12000lm	150 lm/W	12500lm	156 lm/W	12200lm	153 lm/W
Level 4	50W	80	8000lm	160 lm/W	8500lm	170 lm/W	8200lm	164 lm/W

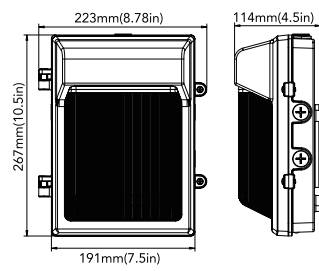
ELECTRICAL DATA

Number Of Drivers	Driver Current (mA)	Nominal Power (W)	INPUT VOLTAGE (V)	CURRENT (Amps)
1	680	40	120	0.33
		40	208	0.19
		40	240	0.17
		40	277	0.14
1	980	60	120	0.50
		60	208	0.29
		60	240	0.25
		60	277	0.22
1	830	90	120	0.75
		90	208	0.43
		90	240	0.38
		90	277	0.32
1	1080	120	120	1.00
		120	208	0.58
		120	240	0.50
		120	277	0.43

DIMENSIONS

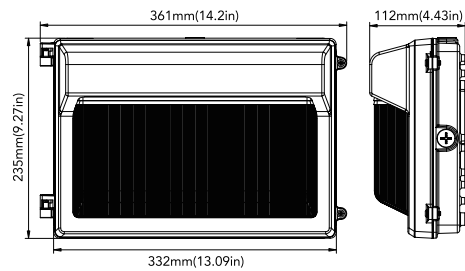
unit: mm/inch

Small Size: 40W



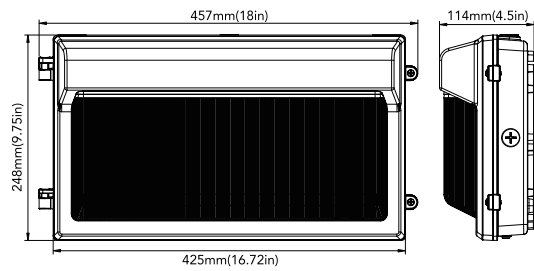
Net Weight
Plastic Diffuser
40W: 4.12 lb

Medium Size: 60W/90W



Net Weight
Plastic Diffuser
60W: 5.22 lb
90W: 5.8 lb
Glass Diffuser
60W: 6.61 lb
90W: 7.19 lb

Large Size: 120W



Net Weight
Plastic Diffuser
120W: 7.99 lb
Glass Diffuser
120W: 10.42 lb

ORDERING GUIDE

Example: MWP16 60W 27V 50K YYYYYY

Fixture Type	Wattage	Voltage	CCT	Finish	Photocell (Option)	Emergency Battery (Option)	CCT and Power Adjustable	Lens (Option)	Internal Code
MWP16 Wall Pack Series	40 40W 60 60W 90 90W 120 120W	27V 120-277V	DDK Adjustable color temperature	D Dark Bronze B Black W White	P With switch photocontrol	B Emergency Battery Blank Without Emergency Battery	AD With Adjustment Dial	C Plastic Diffuser G Glass Diffuser	Blank Alphanumeric