

# 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).

### Lifespan

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

### Warranty

- Five-year limited warranty.

### Certifications

- UL cUL wet location listed.

### 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



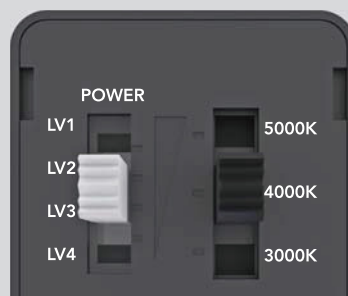
#### CCT and Wattage controller

Description:  
Power adjustment range: 40W-32W-27W-16W  
60W-50W-40W-25W  
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

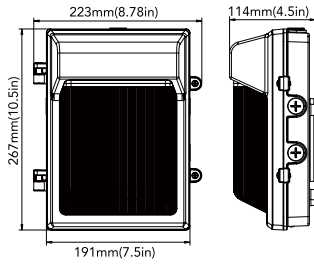
## ELECTRICAL DATA

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

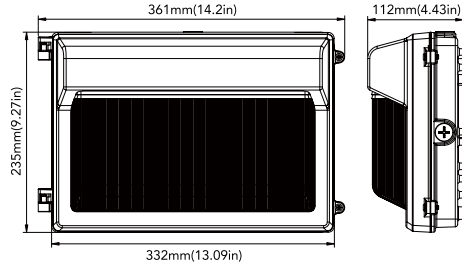
# DIMENSIONS

unit: mm/inch

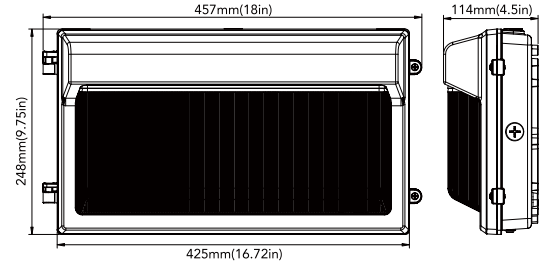
## Small Size: 40W



## Medium Size: 60W/90W



## Large Size: 120W



# ORDERING GUIDE

Example: MWP16 60W 27V 50K Y Y Y Y Y Y

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