

WALL PACK (MWP13)



DESCRIPTION

Cast in a modern and low-profile design, MESTER MWP13 series is easily customized to fit every building's design aesthetic and a mix of architectural styling and energy savings. Available in two sizes, the MWP13 family delivers 2,750 to 15,000 lumens with a wide, uniform distribution. It's ideal for illuminating commercial office buildings, warehouses, campuses, shopping malls and other office complexes.

SPECIFICATION FEATURES

Construction

- Sealed die-casting profile for outdoor applications.
- Casting thermally conducts LED heat to optimize performance and long life.
- The design with zero uplight meets the requirements of dark sky.

Optics

- Switchable color temperature 3000K/4000K/5000K.
- Adjustable lumen output with four lumen settings 100%, 80%, 60%, 40%.
- Scalable Lumen Packages from 2,750 to 15,000 Lumens.
- Zero uplight distributions using individual acrylic.
- High performance UV stabilized optical grade polymer refractor lenses to achieve desired distribution optimized to get maximum spacing, target lumens and a superior lighting uniformity.

Electrical

- Universal 120-277 VAC input voltage.
- 0-10V dimming standard for a dimming range of 100% to 10%.
- Both drivers have a power factor >90%, THD <20%.
- Operating Temperature Range: -40°C to 40°C (-40°F - + 104°F).

Controls

- Optional Occupancy sensor, Microwave sensor, Multifunction Sensor or daylight sensor or photo control.
- Optional Bluetooth sensor or Bluetooth controller.
- Silvaire Luminaire Level Lighting Control (LLC) optional.
- Sharkward Luminaire Level Lighting Control (LLC) optional.
- Haisen Luminaire Level Lighting Control (LLC) optional.
- Also compatible with 3rd party smart network control system.
- High End Trim
- Optional Emergency Battery

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.
- DesignLights Consortium™ Qualified.
Note : DesignLights Consortium™ Qualified and classified for DLC Premium refer to www.designlights.org for details.

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.



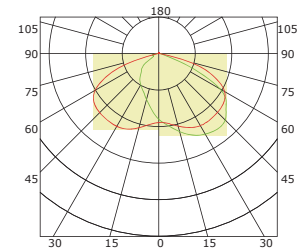
Small size: 45W



Large size: 70W/95W



PHOTOMETRICS



ACCESSORIES



120-277V Integrated Photocell
Description: Photocell can be pre-installed in the factory before shipment



Plug-and-Play PIR Sensor
PIR sensor: ANT-6-4T
Bluetooth PIR sensor: ANT-6-4T-BLE-SR



Emergency Battery Backup
Description: It can be pre-installed in factory or field installed



Surface-Mounted Back Box
Description: Easy to install to recessed J-box or surface mount.
W4.8" x H5.3" x 1.77"



CCT and Wattage controller
Description: Allowing the contractor to set the lumen value and CCT of the fixture at the installation site.



CCT AND WATTAGE CONTROLLER

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



Wattage selectable: 100%, 80%, 60%, 40%
CCT selectable: 3000K, 4000K, 5000K

PERFORMANCE DATA

MWP13 45W							
SETTING	SYSTEM WATTS	3000K		4000K		5000K	
		LUMENS (70CRI)	LPW (70CRI)	LUMENS (70CRI)	LPW (70CRI)	LUMENS (70CRI)	LPW (70CRI)
100%	45W	6500lm	144lm/w	7000lm	156lm/w	6750lm	150lm/w
80%	36W	5300lm	147lm/w	5700lm	158lm/w	5500lm	153lm/w
60%	27W	4050lm	150lm/w	4400lm	163lm/w	4200lm	156lm/w
40%	18W	2750lm	153lm/w	3000lm	167lm/w	2900lm	161lm/w

MWP13 70W							
SETTING	SYSTEM WATTS	3000K		4000K		5000K	
		LUMENS (70CRI)	LPW (70CRI)	LUMENS (70CRI)	LPW (70CRI)	LUMENS (70CRI)	LPW (70CRI)
100%	70W	10500lm	150lm/w	11600lm	166lm/w	11000lm	157lm/w
80%	56W	8700lm	155lm/w	9600lm	171lm/w	9000lm	161lm/w
60%	42W	6700lm	160lm/w	7400lm	176lm/w	7000lm	167lm/w
40%	28W	4700lm	168lm/w	5100lm	182lm/w	4800lm	171lm/w

MWP13 95W							
SETTING	SYSTEM WATTS	3000K		4000K		5000K	
		LUMENS (70CRI)	LPW (70CRI)	LUMENS (70CRI)	LPW (70CRI)	LUMENS (70CRI)	LPW (70CRI)
100%	95W	13800lm	145lm/w	15000lm	158lm/w	14300lm	151lm/w
80%	76W	11300lm	149lm/w	12300lm	162lm/w	11700lm	154lm/w
60%	57W	8700lm	153lm/w	9400lm	165lm/w	8900lm	156lm/w
40%	38W	5900lm	155lm/w	6400lm	168lm/w	6000lm	158lm/w

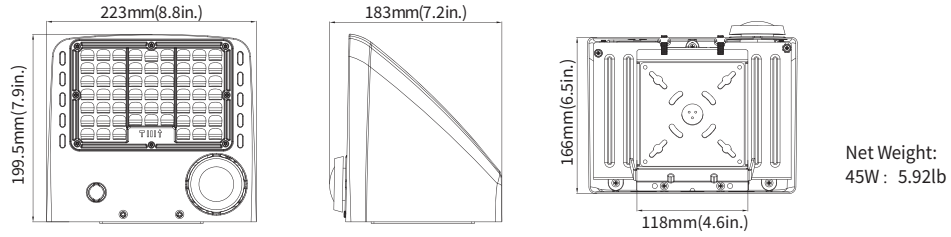
ELECTRICAL DATA

Number Of Drivers	Driver Current (mA)	Nominal Power (W)	INPUT VOLTAGE (V)	CURRENT (Amps)
1	680	45	120	0.38
		45	208	0.22
		45	240	0.19
		45	277	0.16
1	1050	70	120	0.58
		70	208	0.34
		70	240	0.29
		70	277	0.25
1	850	95	120	0.79
		95	208	0.46
		95	240	0.40
		95	277	0.34

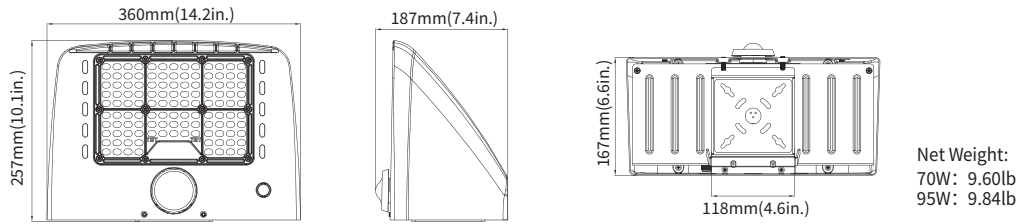
DIMENSIONS

unit: mm/inch

Small size: 45W



Large size: 70W/95W



ORDERING GUIDE

Example: MWP13 45W 27V DDK Y Y Y Y Y

Fixture Type	Wattage	Voltage	CCT	Finish	Photocell (Option)	Sensor (Option)	Emergency Battery (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"/>
MWP13 Wall Pack Series	45 45W 70 70W 95 95W	27V 120-277V	DDK Adjustable color temperature	D Dark Bronze B Black W White	P 120-277V Photocell Blank Without Photocell	M With Sensor Blank Without Sensor	B Emergency Battery Blank Without Emergency Battery	Blank Alphanumeric

MOUNTING

	<p>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 minimize the risk of water ingestion.</p>		<p>The optional external Surface-Mounted Back Box can not only support standard J-box installation but also support outer-surface conduits wiring through the 1/2" knockouts on 4 sides without a J-box.</p>
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