

DESCRIPTION

With its contemporary and sleek design, the MFC series seamlessly integrates into any architectural setting, offering versatility to match diverse design preferences while prioritizing energy efficiency. Offered in two sizes, the MFC family provides a range of 2,750 to 15,000 lumens, ensuring ample illumination with a consistent, wide dispersion. Perfect for lighting up various spaces including commercial offices, warehouses, campuses, shopping malls, and other office complexes, the MFC series combines style with functionality for enhanced visual appeal and operational efficiency.

Construction

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

Optics

- Selectable 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 upright 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 PIR sensor
- Optional photocell
- Optional Emergency Battery

Lifespan

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

Project:	Date
Type:	
Model:	



45W



95W

ORDER INFORMATION

EXAMPLE: MFC-WS45-Y-CCTS-BZ



Series	Wattage Selectable	Voltage	CCT	Photocell	Motion Sensor	Emergency Battery Backup	Finish
MFC Cutoff Wall Pack	WS45 (45W / 36W / 27W / 18W)	Y 120-277V	CCTS Color Temperature Selectable (3000K / 4000K / 5000K)	(Blank) Standard	(Blank) Standard	(Blank) Standard	BZ Bronze
	WS95 (95W / 76W / 57W / 38W)			PC Photocell	MS Motion Sensor	EB Emergency Battery Back-up	

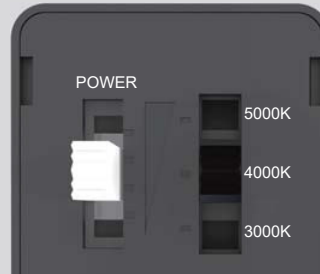
Enter configuration:

Dimensions and values shown are nominal. LuminosoLED continually works to improve products and reserves the right to make changes which may alter the performance or appearance of products.



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

MFC 45W								
SWITCH SETTING	SYSTEM WATTS	CRI	3000K		4000K		5000K	
			LUMENS	LPW	LUMENS	LPW	LUMENS	LPW
100%	45W	70	6,500lm	144lm/W	7,000lm	156lm/W	6,750lm	150lm/W
80%	36W	70	5,300lm	147lm/W	5,700lm	158lm/W	5,500lm	153lm/W
60%	27W	70	4,050lm	150lm/W	4,400lm	163lm/W	4,200lm	156lm/W
40%	18W	70	2,750lm	153lm/W	3,000lm	167lm/W	2,900lm	161lm/W

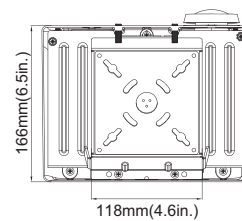
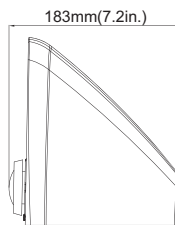
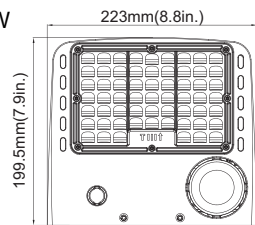
MFC 95W								
SWITCH SETTING	SYSTEM WATTS	CRI	3000K		4000K		5000K	
			LUMENS	LPW	LUMENS	LPW	LUMENS	LPW
100%	95W	70	13,800lm	145lm/W	15,000lm	158lm/W	14,300lm	151lm/W
80%	76W	70	11,300lm	149lm/W	12,300lm	162lm/W	11,700lm	154lm/W
60%	57W	70	8,700lm	153lm/W	9,400lm	165lm/W	8,900lm	156lm/W
40%	38W	70	5,900lm	155lm/W	6,400lm	168lm/W	6,000lm	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	850	95	120	0.79
		95	208	0.46
		95	240	0.40
		95	277	0.34

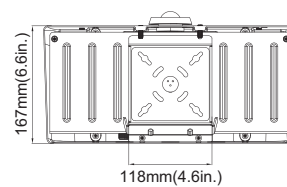
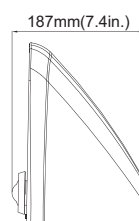
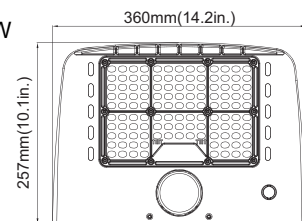
DIMENSIONS

Small size: 45W



Net Weight:
45W: 5.92lb

Large size: 95W



Net Weight:
100W: 9.41lb

ACCESSORIES



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



Occupancy Sensor
Description: Sensor can be pre-installed in factory or field installed



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"

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 minimize the risk of water ingress.



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.

Contact vendor for more information*