

Project:	
Type:	
Catalog #:	

FME Lighting | 877-234-8460 | info@fmelighting.com



Size A



Size B

SPECIFICATIONS

VOLTAGE	120-277 VAC
WATTAGE	27W, 45W, 70W, 100W
COLOR TEMP	4000K, 5000K Kelvins
OPERATING TEMP	-40°C to 40°C (-40°F to 104°F)
HOUSING	Aluminum Alloy
LENS	Acrylic
THD	<20%
POWER FACTOR	>90%
LED LIFESPAN	Minimum 50,000h
DIMMING	1-10V Dimming
WARRANTY	5 Year Limited Warranty

KEY FEATURES

- Energy Efficient:** Delivers 3,600 to 13,400 lumens with high energy efficiency. Estimated 50,000-hour lifespan
- Lighting Control:** Includes optional occupancy sensors, photocells, and emergency batteries.
- Maintenance Friendly:** The design facilitates easy access for maintenance and replacement, reducing long-term operating costs and downtime.
- Outdoor Applications:** Ideal for lighting up commercial office buildings, warehouses, campuses, shopping malls, Pathways , building entryways, perimeter lighting and other office complexes.

LUMENS, OPTICS & DIMENSIONS

*See Page 3 for All Photometry Diagrams.

*See Page 2 for All Dimensions Diagrams.

ACCESSORIES



120-277V Bottom Photocell

Photocell is field installed or pre-installed in factory by requesting



Emergency Battery Backup EB

It can be pre-installed in factory or field installed



Occupancy Sensor S

Sensor can be pre-installed in factory or field installed



Surface-Mounted Back Box BX

Easy to install to recessed J-box or surface mount. W4.8" x H5.3" x 1.77"

ORDERING INFORMATION

ORDERING GUIDE

Series	Type	Wattage	Voltage	CCT	Finish	Mounting	Accessories
WPK13	Size						
	A = Small	2 = 27W 4 = 45W	LV = 120-277V	I = 4000K C = 5000K	D = Dark Bronze (Standard) W = White B = Black	PL = Mounting Plate BX = Surface-Mounted Back Box	EB = Emergency Battery S = Sensor PC = 120-277V Photocell
	B = Large	7 = 70W 10 = 100W					

FEATURES

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

- Light engines are available in standard 4000 K and 5000 K configurations.
- Scalable Lumen Packages from 3,600 to 13,400 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.
- 1-10V Dimming.
- 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
- Optional photocell
- Optional Emergency Battery

Lifespan

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

Warranty

- Five-year warranty.

Certifications

- DesignLights Consortium™ Qualified.
- UL cUL wet location listed.
- Note DesignLights Consortium™ Qualified and classified for DLC Premium

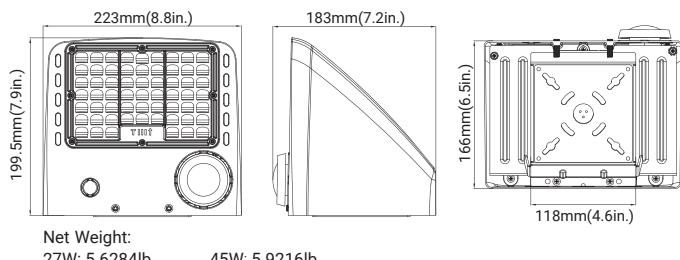
Note

- 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($\pm 5^\circ\text{C}$) specifications subject to change without notice.

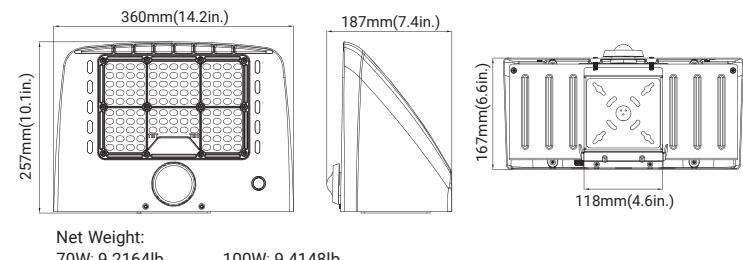
DIMENSIONS

unit: mm/inch

(A) Small size: 27W/45W



(B) Large size: 70W/100W



MOUNTING

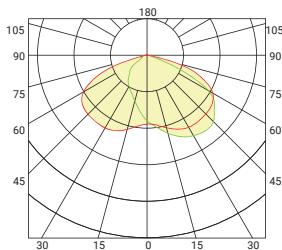


The external portable mounting plate makes installation super easy and simple. There's no need to open fixture housing, nor drill on housing, which greatly minimize the risk of water ingress.



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.

PHOTOMETRY



PERFORMANCE DATA

SYSTEM WATTS	VOLTAGE	CRI	LUMENS (4000K)	LPW (4000K)	LUMENS (5000K)	LPW (5000K)
27W	120-277VAC	70	3600lm	133 lm/W	3600lm	133 lm/W
45W	120-277VAC	70	5800lm	129 lm/W	5800lm	129 lm/W
70W	120-277VAC	70	9100lm	130 lm/W	9100lm	130 lm/W
100W	120-277VAC	70	13400lm	134 lm/W	13400lm	134 lm/W

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	1750	70	120	0.58
		70	208	0.34
		70	240	0.29
		70	277	0.25
1	2600	100	120	0.83
		100	280	0.48
		100	240	0.42
		100	277	0.36