

Project:	
Type:	
Catalog # :	

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



Size A



Size B  
With PIR Sensor

### SPECIFICATIONS

VOLTAGE	120-277 VAC
WATTAGE	Selectable: 18W - 45W & 38W - 95W
COLOR TEMP	3000K, 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

 <p><b>120-277V Bottom Photocell</b> Photocell is field installed or pre-installed in factory by requesting</p>	 <p><b>Emergency Battery Backup EB</b> It can be pre-installed in factory or field installed</p>
 <p><b>Occupancy Sensor S</b> Sensor can be pre-installed in factory or field installed</p>	 <p><b>Surface-Mounted Back Box BX</b> Easy to install to recessed J-box or surface mount. W4.8" x H5.3" x 1.77"</p>
 <p><b>CCT and Wattage controller V</b> Allowing the contractor to set the lumen value and CCT of the fixture at the installation site.</p>	

### ORDERING INFORMATION

#### ORDERING GUIDE

Series	Type Size	Voltage	CCT	Finish	Mounting	Accessories
WPK13	A = 18W - 45W B = 38W - 95W	LV = 120-277V	V = Variable (3K/4K/5K)	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

Please Note: None Standard colors may have elevated cost and lead time.

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

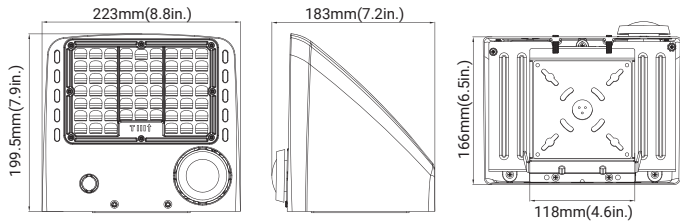


Wattage selectable: 100%, 80%, 60%, 40%  
CCT selectable: 3000K, 4000K, 5000K

### DIMENSIONS

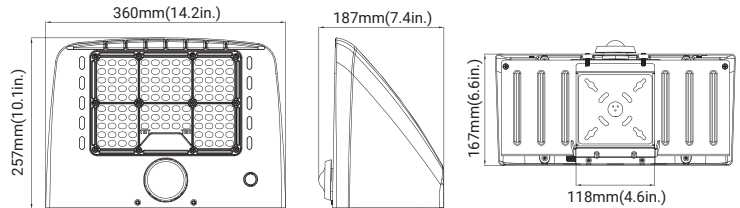
unit: mm/inch

#### (A) Small size: 27W/45W



Net Weight:  
27W: 5.6284lb      45W: 5.9216lb

#### (B) Large size: 70W/100W



Net Weight:  
70W: 9.2164lb      100W: 9.4148lb

### MOUNTING

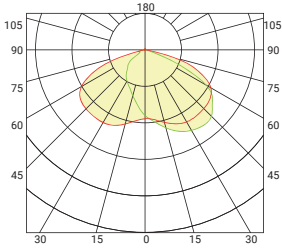


The external portable mounting plate makes installation super easy and simple. There's no need to open fixture housing, nor drill on housing, which greatly minimize the risk of water ingress.



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

WPK13 45W								
SWITCH SETTING	SYSTEM WATTS	CRI	3000K		4000K		5000K	
			LUMENS	LPW	LUMENS	LPW	LUMENS	LPW
100%	45W	70	6500lm	144lm/W	7000lm	156lm/W	6750lm	150lm/W
80%	36W	70	5300lm	147lm/W	5700lm	158lm/W	5500lm	153lm/W
60%	27W	70	4050lm	150lm/W	4400lm	163lm/W	4200lm	156lm/W
40%	18W	70	2750lm	153lm/W	3000lm	167lm/W	2900lm	161lm/W

WPK13 95W								
SWITCH SETTING	SYSTEM WATTS	CRI	3000K		4000K		5000K	
			LUMENS	LPW	LUMENS	LPW	LUMENS	LPW
100%	95W	70	13800lm	145lm/W	15000lm	158lm/W	14300lm	151lm/W
80%	76W	70	11300lm	149lm/W	12300lm	162lm/W	11700lm	154lm/W
60%	57W	70	8700lm	153lm/W	9400lm	165lm/W	8900lm	156lm/W
40%	38W	70	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	850	95	120	0.79
		95	208	0.46
		95	240	0.40
		95	277	0.34