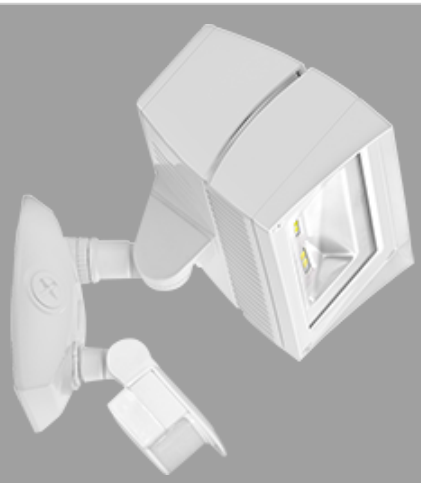
FFLED18YMSW



Rectangular shaped LED floodlight designed to replace 70W Metal Halide. patent-pending "Air-Flow" technology ensures long LED and driver lifespan. Use for building façades lighting, sign lighting, LED landscape lighting and instant-on security lighting.

Color: White

Weight: 5.3 lbs

Project:	**Type:**
Prepared By:	**Date:**

Driver Info

Type	Constant Current
120V	0.2A
208V	N/A
240V	N/A
277V	N/A
Input Watts	19.30W

LED Info

Watts	18W
Color Temp	3000K (Warm)
Color Accuracy	83 CRI
L70 Lifespan	100,000 Hours
Lumens	2,069
Efficacy	107.2 lm/W

Technical Specifications

Listings

UL Listed:

Suitable for wet locations

IESNA LM-79 & LM-80 Testing:

RAB LED luminaires and LED components have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80.

DLC Listed:

This product is on the Design Lights Consortium (DLC) Qualified Products List and is eligible for rebates from DLC Member Utilities. DLC Product Code: PZT89YU3

Electrical

Driver:

Constant Current, Class 2, 120V, 50 - 60 Hz, 120VAC 0.2 Amps.

Dimming Driver:

Driver includes dimming control wiring for 0-10V dimming systems. Requires separate 0-10V DC dimming circuit. Dims down to 10%.

Power Factor:

99.1% at 120V, 91.3% at 277V

Surge Protection:

6kV

Voltage:

120 volts AC 60 Hz

Manual Override:

Double flip wall switch logic prevents activation by brief power outages. Resets after 6 hours. No extra wiring needed.

RF Immunity:

Circuits fully shielded for maximum radio frequency immunity

Ratings:

5 amps

Power Consumption:

Negligible

Manual Switch:

None

Performance

Lifespan:

100,000-Hour LED lifespan based on IES LM-80 results and TM-21 calculations

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Technical Specifications (continued)

Optical

NEMA Type:

7H x 6V Beam Spread

Construction

Airflow:

Airflow technology heat sink for superior cooling

Ambient Temperature:

Suitable for use in up to 40°C (104°F)

Cold Weather Starting:

Minimum starting temperature is -40°C (-40°F)

Mounting:

Heavy-duty mounting arm with "O" ring seal & stainless steel screw

Reflector:

Semi-specular anodized aluminum

Gaskets:

High-temperature silicone gaskets

Finish:

Formulated for high durability and long-lasting color

Green Technology:

Mercury and UV free. RoHS-compliant components.

Compatibility:

Compatible with most electronic ballasts. Not compatible with instant start ballasts.

LED Characteristics

LEDs:

18 Watt high performance LEDs

Color Consistency:

3-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color

Color Stability:

LED color temperature is warrantied to shift no more than 200K in color temperature over a 5-year period

Color Uniformity:

RAB's range of Correlated Color Temperature follows the guidelines of the American National Standard for (SSL) Products, ANSI C78.377-2017.

LED Detection Indicator:

LED glows red day & night for "on guard" deterrence

Other

Warranty:

RAB warrants that our LED products will be free from defects in materials and workmanship for a period of ten (10) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish. RAB's warranty is subject to all terms and conditions found at rablighting.com/warranty.

Patents:

The FFLED18 design is protected by Taiwan Patent 01510948 and patents pending in the U.S., Canada, China, and Mexico.

Buy American Act Compliance:

RAB values USA manufacturing! Upon request, RAB may be able to manufacture this product to be compliant with the Buy American Act (BAA). Please contact customer service to request a quote for the product to be made BAA compliant.

Sensor Specifications

Time Adjustment:

5 seconds to 15 minutes

Quick Test Time:

5 second test time for fast installation. Works day or night.

"No Hands" Auto Testing:

Auto mode starts after 4 minutes of testing. No adjustment needed.

Photoelectric Control:

Deactivates lights during daylight. Fully adjustable for 24 hour operation or custom applications.

Time Delay:

5 seconds to 15 minutes

Ambient Light Sensing:

Adjustable

Adjustments:

Time, ambient light & sensitivity

Detection:

180° detection pattern

Sensor Switching Capacity:

5 Amps, 450 Watts LED @ 120 Volts 0.8pF Driver; 5 Amps, 300 Watts LED @ 120 Volts 0.5pF Driver.

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Ordering Matrix

Family	Wattage	Mounting	Color Temp	NEMA Type	Finish	Driver	Options	Other Options
FFLED	18		Y		W		/MS	
	18 = 18W	**Blank =** Knuckle Mount	**Blank =** 5000K (Cool) **N =** 4000K (Neutral) **Y =** 3000K (Warm)	**Blank =** 7H x 6V	**Blank =** Bronze **W =** White	**Blank =** On/Off [1] **/E =** 120-277V Battery Backup **/EC =** Cold Start Battery Backup	**Blank =** No Option **/PCS =** 120V Swivel Photocell **/PCS2 =** 277V Swivel Photocell **/PCS4 =** 480V Swivel Photocell **/PCU =** 120-277V Button Photocell **/MS =** Mini Sensor **/STL3 =** Stealth Sensor	**Blank =** Standard

[1] Dimming Driver for 18W, 26W & 39W models only
[2] Not available for 80W models

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