



Provides motion detection in both a 180° outward pattern as well as underneath with a full 360°. Also features an evening timer mode, which turns the light on for a preset amount of time after sunset. Comes with a full 10 year warranty.

Color: White

Weight: 6.5 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: 22W
 Efficiency: 81%

LED Info

Watts: 18W
 Color Temp: 5000K (Cool)
 Color Accuracy: 69 CRI
 L70 Lifespan: 100,000
 Lumens: 1,681
 Efficacy: 76 LPW

Technical Specifications

Listings

UL Listing:

Suitable For Wet Locations.

IESNA LM-79 & LM-80 Testing:

RAB LED luminaires have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80, and have received the Department of Energy "Lighting Facts" label.

Optical

Lumen Maintenance:

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

NEMA Type:

7H x 6V Beam Spread.

Construction

Airflow:

Patent pending Airflow technology heat sink for superior cooling.

Ambient Temperature:

Suitable for use in 40°C ambient temperatures.

Cold Weather Starting:

The minimum starting temperature is -40°F/-40°C.

Thermal Management Housing:

Die-cast aluminum housing, lens frame and mounting arm.

Mounting:

Heavy-duty mounting arm with O ring seal & stainless steel screw. CU4 plate allows the sensor to be mounted under a soffit.

Reflector:

Semi-specular anodized aluminum.

Gaskets:

High-temperature silicone gaskets.

Finish:

Our environmentally friendly polyester powder coatings are formulated for high-durability and long-lasting color, and contains no VOC or toxic heavy metals.

Green Technology:

Mercury and UV free.

Temperature Compensation:

Sensitivity adjusted automatically for consistent detection in hot and cold ambient temperatures.

LED Characteristics

LEDs:

18 Watt high performance LEDs.

Color Consistency:

7-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color.

Color Stability:

LED color temperature is warranted to shift no more than 200K in CCT over a 5 year period.

Color Uniformity:

RAB's range of CCT (Correlated Color Temperature) follows the guidelines of the American National Standard for (SSL) Products, ANSI C78.377-2015.

Scanning LEDs:

3 LEDs continually scan back-and-forth.

Color Matched Lens:

Dark lens with bronze units, white lens with white units.

Electrical

Driver:

Constant Current, Class 2, 100 - 277V, 50 - 60 Hz, 100 - 277VAC 0.4 Amps.

THD:

8.5% at 120V, 7.2% at 277V

Surge Protection:

6kV

Voltage:

120 volts AC 60 Hz.

Power Consumption:

1W

Surge Protection:

Withstands up to 6000 volts.

Technical Specifications (continued)

Electrical

Wall Switch Manual Override:

Two flip logic prevents activation by momentary power outages. Override resets to auto at dawn. No extra wiring needed.

Other

California Title 24:

FFLED18 complies with California Title 24 building and electrical codes.

Photoelectric Control:

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

Patents:

The FFLED18 design is protected by patents pending in the U.S., Canada, China, Taiwan and Mexico. RAB sensor designs are protected under U.S. and International Intellectual Property laws.

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.

Country of Origin:

Designed by RAB in New Jersey and assembled in the USA by RAB's IBEW Local 3 workers.

Buy American Act Compliant:

This product is a COTS item manufactured in the United States, and is compliant with the Buy American Act.

Recovery Act (ARRA) Compliant:

This product complies with the 52.225-21 "Required Use of American Iron, Steel, and Manufactured Goods-- Buy American Act-- Construction Materials (October 2010).

Trade Agreements Act Compliant:

This product is a COTS item manufactured in the United States, and is compliant with the Trade Agreements Act.

GSA Schedule:

Suitable in accordance with FAR Subpart 25.4.

Sensor Characteristics

Time Adjustment:

5 seconds to 12 minutes.

Wide Sensitivity Control:

Adjustable from 100% to 30%.

Evening Timer:

Keeps lights on for 1-8 hours after dusk. Then sensor is motion activated until dawn.

Set it and forget it:

STL360's full coverage pattern reduces need for aiming and adjustment.

Advanced Detection Logic:

Minimizes false triggers.

Sensor Lens Masks:

Customized press apply lens mask included to reduce coverage easily.

Sensor RF Immunity:

Circuits fully shielded for maximum radio frequency immunity.

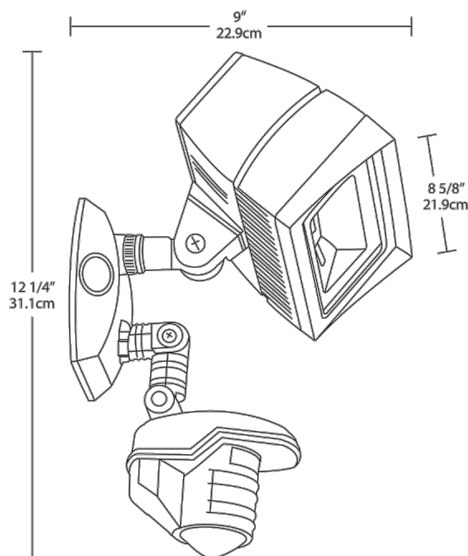
Sensor Detection:

Senses 180° out and 360° down for Total Detection.

Sensor Switching Capacity:

8 Amps, 750 Watts LED @120 Volts 0.8pF Driver; 8 Amps, 500 Watts LED @120 Volts 0.5pF Driver .

Dimensions



Features

- Ultra efficient LED and optical design
- 10-year warranty
- Senses 180° out + 360° down for total detection
- Radio frequency immunity
- 6000 volt surge protection
- Temperature compensation