



Premium, linear high bay available in five sizes/wattages. Ultra-high efficacy. Designed to be ecofriendly

Color: White/aluminum

Weight: 8.5 lbs

**Project:**

**Type:**

**Prepared By:**

**Date:**

### Driver Info

Type	Constant Current
120V	0.80A
208V	0.46A
240V	0.40A
277V	0.35A
Input Watts	89W

### LED Info

Watts	90W
Color Temp	4000K (Neutral)
Color Accuracy	84 CRI
L70 Lifespan	100,000 Hours
Lumens	12,185 lm
Efficacy	136.9

## Technical Specifications

### Compliance

**UL Listed:**

Suitable for damp 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 family is listed with the DesignLights Consortium (DLC). Individual SKUs within this family may carry either a DLC Standard or DLC Premium qualification. Please refer to the individual product specification sheet or the DLC Qualified Products List (QPL) at [designlights.org](http://designlights.org) to confirm the qualification status of a specific SKU prior to specification or purchase.

### Performance

**Lifespan:**

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

**Wattage Equivalency:**

Equivalent to 250W Metal Halide

### LED Characteristics

**LEDs:**

Long-life, high-efficacy, surface-mount LEDs

**Color Consistency:**

3-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 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 Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2017.

### Electrical

**Driver:**

Constant Current, Class 2, 120-277V, 50/60Hz, 120V: 0.80A, 208V: 0.46A, 240V: 0.40A, 277V 0.35A

**THD:**

1.63% at 120V, 5.61% at 277V

**Power Factor:**

99.9% at 120V, 97% at 277V

**Surge Protection:**

6 kV

### Construction

**Cold Weather Starting:**

The minimum starting temperature is -4°F (-20°C)

**Maximum Ambient Temperature:**

Suitable for use in up to 113°F (45°C)

**Housing:**

Extruded aluminum

**Lens:**

Polycarbonate lens

**Reflector:**

Polyethylene Terephthalate (PET)

### Installation

**Mounting:**

V hooks (chain by others)

### Sensor Settings

**Capacitance Load:**

400VA at 120VAC, 800VA at 230VAC, 1000VA at 277VAC

**Operating Temperature:**

-4°F to +140°F (-20°C to +60°C)

## Technical Specifications (continued)

**Relay:**

Zero-cross relay

**Customizable Detection Area:**

10, 50, 75 or 100%

**Time Delay:**

5s, 30s, 1min, 5min, 10min, 20min, 30min

**Cut Off Period:**

0s, 10s, 1min, 5min, 10min, 30min, 1hr, Bi-Level

**Cut-Off Dimming level:**

10, 20, 30, 50%

**Cut-Off Power:**

Less than 1W

**Daylight Threshold:**

About .2-5 fc for disabled

**Sensor Principle:**

High Frequency

**Microwave Frequency:**

5.8GHz +/- 75MHz

**Microwave Power:**

<0.2mW

**Max Detection Range:**

52 ft diameter at 50 ft mounting height

**Detection Angle:**

About 30 to 150 degrees

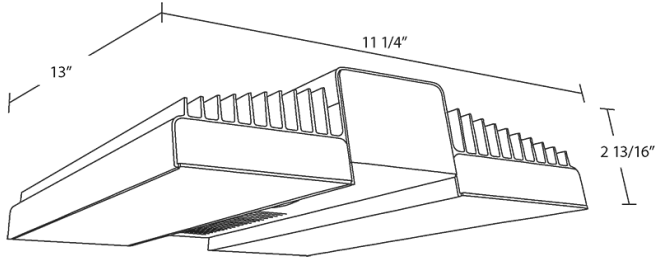
**Remote Control Accessory:**

Adjust settings using remote control (catalog# MVSREM). Only available with 0-10V dimming driver options. [Remote control available here.](#)

**Other****5-Year, No-Compromise Warranty:**

RAB warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) 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](http://rablighting.com/warranty).

## Dimensions



## Features

- 100,000-Hour LED lifespan
- DLC Premium Listed
- 0-10V dimming, standard
- 5-Year, No-Compromise Warranty

## Ordering Matrix

Family	Wattage (Length)	Color Temp	Driver	Options
RAIL	90	N		/MVS
	150 = 150W (20") 175 = 175W (23") 225 = 225W (31") 400 = 400W (46") 90 = 90W (13")	Blank = 5000K N = 4000K	/480 = 480V, 0-10V Dimming Blank = 120-277V, 0-10V Dimming	Blank = No Option /LC = Lightcloud, 120-480V /LCS = Lightcloud Sensor, 120-277V /PIR = Passive Infrared Sensor, 120-277V /E = Battery Backup, 120-277V /PIR/E = Passive Infrared Sensor w/Battery Backup, 120-277V /MVS/E = Microwave Occupancy Sensor w/Battery Backup, 120-277V /MVS = Microwave Occupancy Sensor, 120-277V

<sup>1</sup> Available in 150W, 175W, 225W and 400W only