



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

Color: White/aluminum

Weight: 8.5 lbs

<b>Project:</b>	<b>Type:</b>
<b>Prepared By:</b>	<b>Date:</b>

Driver Info		LED Info	
Type	Constant Current	Watts	90W
120V	0.80A	Color Temp	5000K (Cool)
208V	0.46A	Color Accuracy	83 CRI
240V	0.40A	L70 Lifespan	100,000 Hours
277V	0.35A	Lumens	12,737 lm
Input Watts	90.2W	Efficacy	141.2

## 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.

#### Trade Agreements Act Compliant:

This product is a product of Cambodia and a "designated country" end product that complies with the Trade Agreements Act

#### 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 IESlm-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

#### Maximum Mounting Height:

40 ft

**Technical Specifications (continued)****Voltage:**

12V DC (+3V-0V)

**Dimming:**

0-10V dimming output, max 20mA sinking current

**Operating Temperature:**

-4°F to 122°F (-20°C to 50°C)

**Storage Temperature:**

-13°F - 158°F (-25°C - 70°C)

**Operating Humidity:**

5% - 93% without condensation

**IP Rating:**

IP20

**Warm Up Time:**

45s +/-5s

**Standby (w):**

<0.3W

**Module Interaction:**

Wire AWG 22 (Grey Dim -, Purple Dim +, Yellow 12V DC)

**On-Time Adjustment:**

10s, 5min, 10min, 30min with +/-5% tolerance  
(Factory Setting: 30min +/-5%)

**Bi-Level:**

0, 10%, 30%, 50% with +/-5% tolerance  
(Factory Setting: 10%)

**Debounce Time:**

Day to Night: 5s  
Night to Day: 30s

**Open Circuit Protection:**

No

**Short Circuit Protection :**

Yes

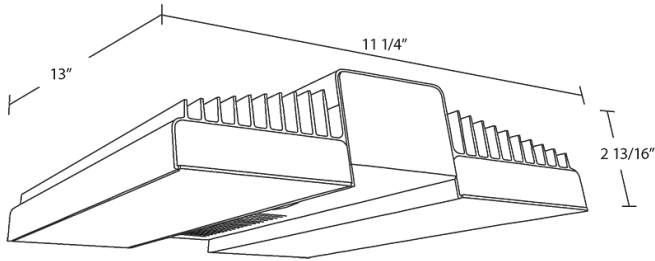
**Remote Control Accessory:**

Adjust settings using remote control (catalog# WSREM). 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			/PIR
	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