



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

#### 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 is listed by Design Lights Consortium (DLC) as an ultra-efficient premium product that qualifies for the highest tier of rebates from DLC Member Utilities. Designed to meet DLC 5.1 requirements.

DLC Product Code: S-F7ELAI

### Performance

#### Lifespan:

100,000-Hour LED lifespan based on IES LM-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:

6kV

### Construction

#### Cold Weather Starting:

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

#### Maximum Ambient Temperature:

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

#### Housing:

Extruded aluminum

#### Lens:

Polycarbonate lens

#### Reflector:

Polyethylene Terephthalate (PET)

#### Mounting:

V hooks (chain by others)

### Sensor Specifications

#### Maximum Mounting Height:

40 ft

#### Voltage:

12V DC (+3V-0V)

**Technical Specifications (continued)****Dimming:**

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

**Operating Temperature:**

-20°C to 50°C (-4°F to 122°F)

**Storage Temperature:**

-25°C - 70°C (-13°F - 158°F)

**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.](#)

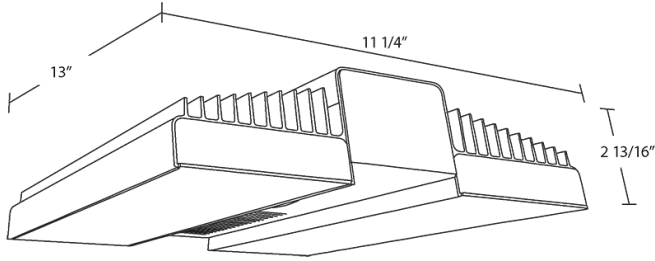
**Other****Warranty:**

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).

**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.

## 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	Voltage	Options
RAIL	90	N		/PIR
	90 = 90W (13") 150 = 150W (20") 175 = 175W (23") 225 = 225W (31") 400 = 400W (46")	Blank = 5000K N = 4000K	Blank = 120-277V, 0-10V Dimming /480 = 480V, 0-10V Dimming	Blank = No Option /LC = Lightcloud® Controller, 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