# RAIL90N



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 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 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)


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## Technical Specifications (continued)

### Other

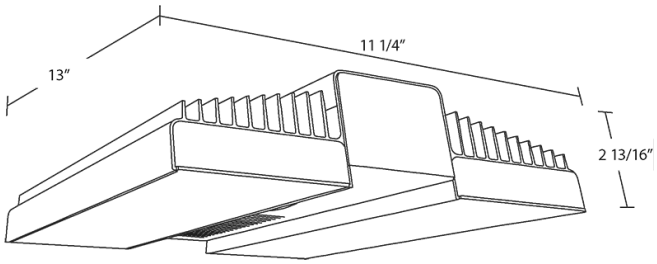
**Warranty:**

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.

**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 | | |
| | **150 =** 150W (20")<br>**175 =** 175W (23")<br>**225 =** 225W (31")<br>**400 =** 400W (46")<br>**90 =** 90W (13") | **Blank =** 5000K<br>**N =** 4000K | **/480 =** 480V, 0-10V Dimming<br>**Blank =** 120-277V, 0-10V Dimming | **Blank =** No Option<br>**/LC =** Lightcloud Controller, 120-480V<br>**/LCS =** Lightcloud Sensor, 120-277V<br>**/PIR =** Passive Infrared Sensor, 120-277V<br>**/E =** Battery Backup, 120-277V<br>**/PIR/E =** Passive Infrared Sensor w/Battery Backup, 120-277V<br>**/MVS/E =** Microwave Occupancy Sensor w/Battery Backup, 120-277V<br>**/MVS =** Microwave Occupancy Sensor, 120-277V |

[1] *Available in 150W, 175W, 225W and 400W only*


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