



|              |       |
|--------------|-------|
| Project:     | Type: |
| Prepared By: | Date: |

| Driver Info |                  | LED Info       |                  |
|-------------|------------------|----------------|------------------|
| Type        | Constant Current | Watts          | 30/21/18/15/8W   |
| 120V        | N/A              | Color Temp     | 3000/3500/4000K  |
| 208V        | N/A              | Color Accuracy | 92-94 CRI        |
| 240V        | N/A              | L70 Lifespan   | 100,000 Hours    |
| 277V        | N/A              | Lumens         | 992-3,966 lm     |
| Input Watts | 7.8-30.1W        | Efficacy       | 122.5-139.8 lm/W |

Technical Specifications

Field Adjustability

Field Adjustable:

Field Adjustable Light Output:  
30W/21W/18W/15W/8W (factory default 30W)  
Color Temperature Selectable:  
3000K, 3500K and 4000K (factory default 4000K)

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 is on the Design Lights Consortium (DLC) Qualified Products List and is eligible for rebates from DLC Member Utilities. Designed to meet DLC 5.1 requirements.  
DLC Product Code: S-8714L0

Electrical

Driver:

Constant Current, Class 2, 120-277V, 50/60 Hz:  
30W: 120V: 0.25A, 208V: 0.15A, 240V: 0.13A, 277V: 0.12A  
21W: 120V: 0.18A, 208V: 0.11A, 240V: 0.10A, 277V: 0.09A  
18W: 120V: 0.15A, 208V: 0.09A, 240V: 0.09A, 277V: 0.08A  
15W: 120V: 0.13A, 208V: 0.08A, 240V: 0.07A, 277V: 0.07A  
7.5W: 120V: 0.07A, 208V: 0.05A, 240V: 0.05A, 277V: 0.05A

Dimming Driver:

Driver includes dimming control wiring for 0-10V dimming systems. Requires separate 0-10V DC dimming circuit. Dims down to 10%.

THD:

4.61% at 120V, 7.45% at 277V

Power Factor:

99.6% at 120V, 93.8% at 277V

Surge Protection:

2 kV

Continuous Runs:

Maximum wattage for a continuous run should not exceed 600W

LED Characteristics

LEDs:

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

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.

Performance

Lifespan:

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

Performance Data:

[Click here for the BOA3 performance data](#)

Construction

Cold Weather Starting:

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

Maximum Ambient Temperature:

Suitable for use in up to 104°F (40°C)

Housing:

Aluminum

Technical Specifications (continued)

**Lens:**  
Polycarbonate reflective louvers lens

**Reflector:**  
Polyethylene Terephthalate (PET)

**Finish:**  
Formulated for high durability and long-lasting color

**Green Technology:**  
Mercury and UV free. RoHS-compliant components.

Installation

**Mounting:**  
94" of aircraft cable provided with cable grippers for easy adjustment after installation

Sensor Settings

**Brightness:**  
0%-100%/Quick setting: 70%/80%/90%/100%  
(Factory Setting: 100%)

**Hold Time:**  
10s/1min/10min/30min (Factory Setting: 1 Minute)

**Daylight Threshold:**  
10Lux/30Lux/50Lux/100Lux/Disable (Factory Setting: Disabled)

**Sensitivity:**  
100%

**Stand-by Dimming Level:**  
10%/20%/30%/50% (Factory Setting: 20%)

**Stand-By Time:**  
1min/30min/60min/+∞ (Factory Setting: 1 Minute)

**Operating Voltage:**  
12 ± 2V DC

**Operating Current:**  
30mA

**Output:**  
DIM 0-10V

**Stand-By Power:**  
<0.5W

**Lux On-Off:**  
Adopted dual PD technology

**Height:**  
Max 20ft/6M (ceiling mounted)

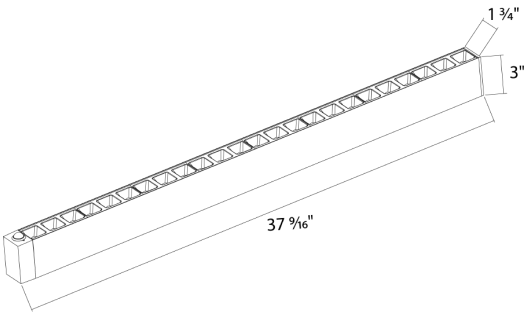
**Detection Range:**  
Max 26ft/8M (ceiling mounted) Max 20ft/6m (wall mounted)

**Operating Temperature:**  
-30°C to 60°C (-22°F to 140°F)

Other

**5-Year Limited Warranty:**  
The RAB 5-year, limited warranty covers light output, driver performance and paint 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
- 0-10V dimming
- 5-Year, limited warranty

Ordering Matrix

| Family | Size (Wattage)                                                                                                     | Mount       | Lens                        | Light Output         | Color Temp                                | Driver                                | Finish                                  | Options                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|--------|--------------------------------------------------------------------------------------------------------------------|-------------|-----------------------------|----------------------|-------------------------------------------|---------------------------------------|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BOA    | 3                                                                                                                  | P           | L                           |                      |                                           |                                       | W                                       | /PIR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|        | 3 = 3 ft (30/21/18/15/8W)<br>4 = 4 ft (40/28/24/20/10W)<br>8 = 8 ft (80/56/48/40/20W)<br>2 = 2 ft (20/14/12/10/5W) | P = Pendant | Blank = Flat<br>L = Louvers | Blank =<br>Downlight | Blank = 3000/3500/4000K<br>CCT Adjustable | Blank =<br>120-277V, 0-10V<br>Dimming | S = Silver<br>B = Black<br>W =<br>White | Blank = No Option<br>/MVS = Microwave<br>Occupancy Sensor<br>/PIR = Passive Infrared<br>Occupancy Sensor<br>/LCBS = Lightcloud Blue<br>w/PIR Sensor<br>/LCBS/MVS = Lightcloud<br>Blue w/MVS Sensor<br>/E = Battery Backup <sup>2</sup><br>/MVS/E = Microwave<br>Occupancy Sensor<br>w/Battery Backup <sup>2</sup><br>/PIR/E = Passive Infrared<br>Occupancy Sensor<br>w/Battery Back Up <sup>2</sup><br>/LCBS/E = Lightcloud<br>Blue w/PIR Sensor and<br>Battery Backup <sup>2</sup><br>/LCBS/MVS/E =<br>Lightcloud Blue w/MVS<br>Sensor and Battery<br>Backup <sup>2</sup> |

<sup>1</sup> Only available on 4 ft and 8 ft models only