



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

Operating Voltage:
12V DC

Operating Current:
≤25mA

Detection Area:
25%/50%/75%/100%

Maximum Mounting Height:
20 ft

Customizable Detection Area:
10, 50, 75 or 100%

Hold Time:
5s, 30s, 1min, 3min, 5min, 10min, 20min, 30min

Cut-Off Period:
0s/10s/30s/1min/5min/10min/30min/+∞

Cut-Off Dimming level:
10, 20, 30, 50%

Cut-Off Power:
≤0.5W

Microwave Frequency:
5.8GHz +/- 75MHz

Microwave Power:
<0.3mW

Max Detection Range:
46 ft

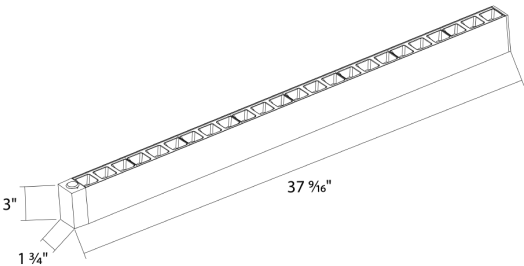
Operating Temperature:
-4°F to +140°F(-20°C to +60°C)

Remote Control:
Adjust settings using remote control (catalog# MSR1). Only available with 0-10V dimming driver options. [Remote control available here.](#)

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.

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	/MVS
<div><div>3 = 3 ft (30/21/18/15/8W) 4 = 4 ft (40/28/24/20/10W) 8 = 8 ft (80/56/48/40/20W) 2 = 2 ft (20/14/12/10/5W)</div><div>P = Pendant</div><div>Blank = Flat L = Louvers</div><div>Blank = Downlight</div><div>Blank = 3000/3500/4000K CCT Adjustable</div><div>Blank = 120-277V, 0-10V Dimming</div><div>S = Silver B = Black W = White</div><div>Blank = No Option /MVS = Microwave Occupancy Sensor /PIR = Passive Infrared Occupancy Sensor /LCBS = Lightcloud Blue w/PIR Sensor /LCBS/MVS = Lightcloud Blue w/MVS Sensor /E = Battery Backup² /MVS/E = Microwave Occupancy Sensor w/Battery Backup² /PIR/E = Passive Infrared Occupancy Sensor w/Battery Back Up² /LCBS/E = Lightcloud Blue w/PIR Sensor and Battery Backup² /LCBS/MVS/E = Lightcloud Blue w/MVS Sensor and Battery Backup²</div></div>								

¹ Only available on 4 ft and 8 ft models only