

Project:	Type:
Prepared By:	Date:

Driver Info		LED Info	
Type	Constant Current	Watts	30W
120V	0.25A	Color Temp	3000/3500/4000K
208V	0.15A	Color Accuracy	93-94 CRI
240V	0.13A	L70 Lifespan	100,000 Hours
277V	0.12A	Lumens	1,926-3,719 lm
Input Watts	14.8-27.9W	Efficacy	125.9-137.7 lm/W

Technical Specifications

Field Adjustability

Field Adjustable:

Field Adjustable Light Output:  
30W/15W (factory default 30W)  
5 Power Preset:  
100%/0% (Downlight Only)  
70%/30%  
60%/40%  
50%/50%  
0%/100% (Uplight Only)  
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-FSNV8J

Electrical

Driver:

Constant Current, Class 2, 120-277V, 50/60 Hz:  
30W: 120V: 0.25A, 208V: 0.15A, 240V: 0.13A, 277V: 0.12A  
15W: 120V: 0.13A, 208V: 0.08A, 240V: 0.07A, 277V: 0.07A

Dimming Driver:

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

THD:

3.9% at 120V, 8.06% at 277V

Power Factor:

99.6% at 120V, 93.1% 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

Lens:

Polycarbonate reflective louvers lens

Technical Specifications (continued)

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:

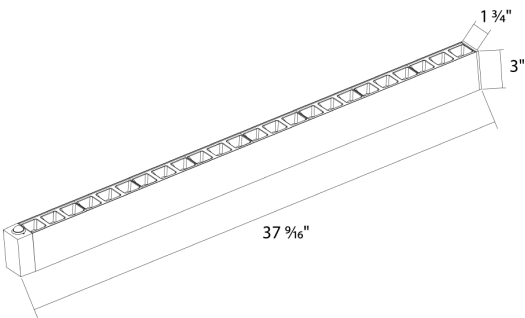
-30°C to 60°C (-22°F to 140°F)

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	U			W	/PIR
	3 = 3 ft (30W) 4 = 4 ft (40W) 8 = 8 ft (80W) 2 = 2 ft (20W)	P = Pendant	Blank = Flat L = Louvers	U = Uplight/Downlight	Blank = 3000/3500/4000K CCT Adjustable	Blank = 120-277V, 0-10V Dimming	S = Silver B = Black W = White	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 Backup <sup>2</sup> /MVS/E = Microwave Occupancy Sensor w/Battery Backup <sup>2</sup> /PIR/E = Passive Infrared Occupancy Sensor w/Battery Back Up <sup>2</sup> /LCBS/E = Lightcloud Blue w/PIR Sensor and Battery Backup <sup>2</sup> /LCBS/MVS/E = Lightcloud Blue w/MVS Sensor and Battery Backup <sup>2</sup>

<sup>1</sup> 5 Presets Down/Up: 100% / 0% (downlight only), 70% / 30%, 60% / 40%, 50% / 50%, 0% / 100% (uplight only)

<sup>2</sup> Only available on 4 ft and 8 ft models only