BOA3PUS/PIR

RAB

Color: Silver   Weight: 0.0 lbs

Project: Type:

Prepared By: Date:

Driver Info

Type	Constant Current
120V	0.25A
208V	0.15A
240V	0.13A
277V	0.12A
Input Watts	17.1-31.7W

LED Info

Watts	30W
Color Temp	3000/3500/4000K
Color Accuracy	92-94 CRI
L70 Lifespan	100,000 Hours
Lumens	2,263-4,523 lm
Efficacy	130.1-148.8 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:
3.72% at 120V, 6.79% at 277V

Power Factor:
99.7% at 120V, 94.4% 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 frosted flat 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:
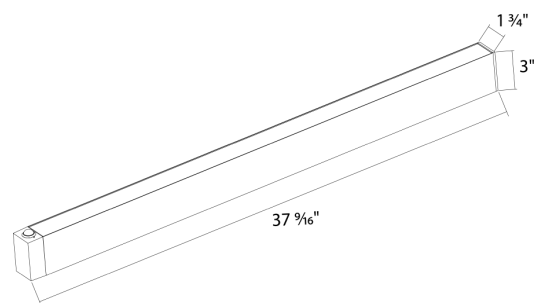Max 26ft/8M (ceiling mounted) Max 20ft/6m (wall mounted)

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.

RAB®

Dimensions

1 ¾"

3"

37 ⁹⁄₁₆"

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		U			S	/PIR

Family	Size (Wattage)	Mount	Lens	Light Output	Color Temp	Driver	Finish	Options
	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 [2] **/MVS/E =** Microwave Occupancy Sensor w/Battery Backup [2] **/PIR/E =** Passive Infrared Occupancy Sensor w/Battery Back Up [2] **/LCBS/E =** Lightcloud Blue w/PIR Sensor and Battery Backup [2] **/LCBS/MVS/E =** Lightcloud Blue w/MVS Sensor and Battery Backup [2]

[1] *5 Presets Down/Up: 100% / 0% (downlight only), 70% / 30%, 60% / 40%, 50% /50%, 0% / 100% (uplight only)*
[2] *Only available on 4 ft and 8 ft models only*

Need help? Tech help line: **(888) 722-1000** Email: **techsupport@rablighting.com** Website: **www.rablighting.com**

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