BOA3PB/MVS

RAB

Project:	Type:
Prepared By:	Date:

Driver Info

Type	Constant Current
120V	0.25A
208V	0.15A
240V	0.13A
277V	0.12A
Input Watts	9-30.9W

LED Info

Watts	30/21/18/15/8W
Color Temp	3000/3500/4000K
Color Accuracy	92-94 CRI
L70 Lifespan	100,000 Hours
Lumens	1,176-4,353 lm
Efficacy	127.8-144.1 lm/W

Color: Black   Weight: 0.0 lbs

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:
3.64% at 120V, 7.07% at 277V

Power Factor:
99.7% at 120V, 94.2% 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 frosted flat 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:
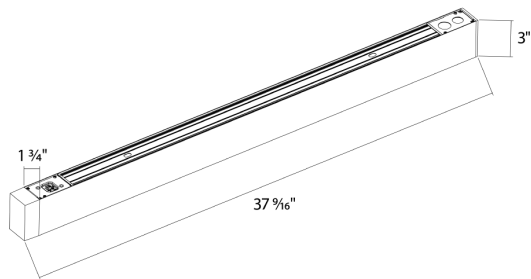-4°F to +140°F(-20°C to +60°C)

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.

BOA3PB/MVS

RAB®

Dimensions

3"

1 ¾"

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					B	/MVS

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)

P = Pendant

Blank = Flat
L = Louvers

Blank = 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] *Only available on 4 ft and 8 ft models only*