BOA2PLS/PIR

RAB

Project:	Type:
Prepared By:	Date:

Driver Info

Type	Constant Current
120V	0.17A
208V	0.10A
240V	0.09A
277V	0.08A
Input Watts	5.6-21W

LED Info

Watts	20W
Color Temp	3000K/3500K/4000K
Color Accuracy	94-96 CRI
L70 Lifespan	50,000 Hours
Lumens	733-2,922 lm
Efficacy	128.6-144.7 lm/W

Color: Silver   Weight: 2.9 lbs

Technical Specifications

Field Adjustability

Field Adjustable:
Field Adjustable Light Output:
20W/14W/12W/10W/5W (factory default 20W)
Color Temperature Selectable:
3000K, 3500K and 4000K (factory default 4000K)

Compliance

UL Listed:
Suitable for damp locations

DLC Listed:
This product is listed by Design Lights Consortium
(DLC) as an ultra-efficient premium product that
qualifies for the highest tier of rebates from DLC
Member Utilities. Designed to meet DLC 5.1
requirements.
DLC Product Code: S-02DC4Z

Electrical

Driver:
Constant Current, Class 2, 120-277V, 50/60 Hz:
20W: 120V: 0.17A, 208V: 0.10A, 240V: 0.09A, 277V:
0.08A
14W: 120V: 0.12A, 208V: 0.07A, 240V: 0.06A, 277V:
0.05A
12W: 120V: 0.10A, 208V: 0.06A, 240V: 0.05A, 277V:
0.05A
10W: 120V: 0.09A, 208V: 0.06A, 240V: 0.05A, 277V:
0.04A
5W: 120V: 0.05A, 208V: 0.03A, 240V: 0.02A, 277V:
0.02A

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

THD:
4.5% at 120V, 8.16% at 277V

Power Factor:
99.5% at 120V, 93.2% at 277V

Surge Protection:
2kV

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:
50,000-Hour LED lifespan based on IES LM-80 results
and TM-21 calculations

Performance Data:
Click here for the BOA2 performance data

Wattage Equivalency:
20W: Replaces up to (1) F32T8 or (3) F17T8
14W: Replaces up to (1) F32T8 or (2) F17T8
12W: Replaces up to (1) F32T8 or (2) F17T8
10W: Replaces up to (1) F32T8 or (1) F17T8
5W: Replaces up to (1) F32T8 or (1) F17T8

Construction

Cold Weather Starting:
The minimum starting temperature is -20°C (-4°F)

Maximum Ambient Temperature:
Suitable for use in up to 40°C (104°F)

Housing:
Aluminum

Mounting:
For direct ceiling and wall mounting

Lens:
Polycarbonate reflective louvers lens

Reflector:
Polyethylene Terephthalate (PET)

Technical Specifications (continued)

Finish:
Formulated for high durability and long-lasting color

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

Sensor Specifications

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

Note:
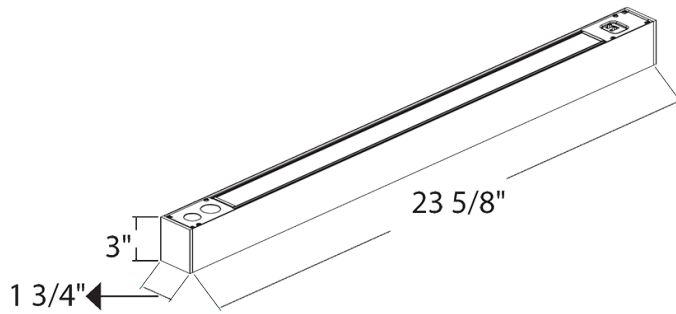All values are typical (tolerance +/- 10%)

5 Yr 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.

Buy American Act Compliance:
RAB values USA manufacturing! Upon request, RAB may be able to manufacture this product to be compliant with the Buy American Act (BAA). Please contact customer service to request a quote for the product to be made BAA compliant.

BOA2PLS/PIR

Dimensions

23 5/8"

3"

1 3/4"

Features

50,000-Hour LED lifespan

0-10V dimming

5-Year, limited warranty

Ordering Matrix

Family	Size (Wattages)	Mount	Lens	Light Output	Color Temp	Voltage	Finish	Options
BOA	2	P	L				S	/PIR

Family	Size (Wattages)	Mount	Lens	Light Output	Color Temp	Voltage	Finish	Options
	2 = 2 ft (20W/14W/12W/10W/5W) **4 =** 4 ft (40W/28W/24W/20W/10W) **8 =** 8 ft (80W/56W/48W/40W/20W)	**P =** Pendant	**Blank =** Flat **L =** Louvers	**Blank =** Downlight	**Blank =** 3000K/3500K/4000K CCT Adjustable	**Blank =** 120-277V, 0-10V Dimming	**W =** White **S =** Silver **B =** Black	**/LCBS/E =** Lightcloud® Blue Enabled w/ PIR Sensor and Battery Backup [2] **/LCBS/MVS/E =** Lightcloud® Blue Enabled w/ MVS Sensor and Battery Backup [2] **Blank =** No Option **/MVS =** Microwave Occupancy Sensor **/PIR =** Passive Infrared Occupancy Sensor **/LCBS =** Lightcloud® Blue Enabled w/ PIR Sensor **/LCBS/MVS =** Lightcloud® Blue Enabled 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]

[1] *Only available on 4 ft and 8 ft models only*

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

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