BOA2PLUS

RAB

Color: Silver   **Weight: 3.2 lbs**

Project:	Type:
Prepared By:	Date:

Driver Info

Type	Constant Current
120V	0.17A
208V	0.10A
240V	0.09A
277V	0.08A
Input Watts	10.9-20.8W

LED Info

Watts	20W
Color Temp	3000K/3500K/4000K
Color Accuracy	94-96 CRI
L70 Lifespan	50,000 Hours
Lumens	1,338-2,871 lm
Efficacy	119.5-143.6 lm/W

Technical Specifications

Field Adjustability

Field Adjustable:
Field Adjustable Light Output:
20W/10W (factory default 20W)
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

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-30EBHO

Electrical

Driver:
Constant Current, Class 2, 120-277V, 50/60 Hz:
20W: 120V: 0.17A, 208V: 0.10A, 240V: 0.09A, 277V: 0.08A
10W: 120V: 0.09A, 208V: 0.06A, 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:
4.82% at 120V, 8.1% at 277V

Power Factor:
99.6% at 120V, 93% 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 100% / 0%: Replaces up to (1) F32T8 or (3) F17T8
20W 70% / 30%: Replaces up to (1) F32T8 or (3) F17T8
20W 60% / 40%: Replaces up to (1) F32T8 or (3) F17T8
20W 50% / 50%: Replaces up to (1) F32T8 or (3) F17T8
20W 0% / 100%: Replaces up to (1) F32T8 or (12 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

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.

Other

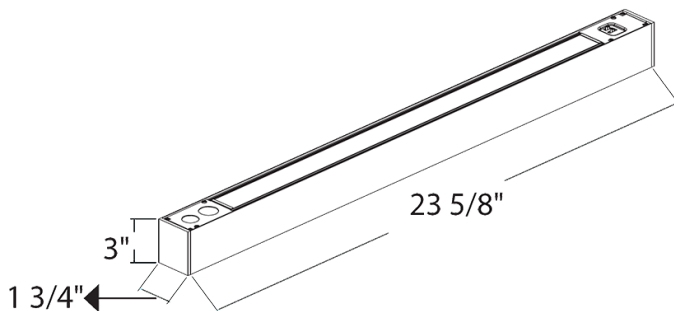**Note:**
All values are typical (tolerance +/- 10%)

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.

Dimensions

23 5/8"

3"

1 3/4"

Features

50,000-Hour LED lifespan

0-10V dimming

5-Year, limited warranty

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

Copyright © 2023 RAB Lighting All Rights Reserved   Note: Specifications are subject to change at any time without notice

Page 2 of 3

Ordering Matrix

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

Family	Size (Wattages)	Mount	Lens	Light Output	Color Temp	Voltage	Finish	Options
	2 = 2 ft (20W) **4 =** 4 ft (40W) **8 =** 8 ft (80W)	**P =** Pendant	**Blank =** Flat **L =** Louvers	**U =** Uplight/Downlight	**Blank =** 3000K/3500K/4000K CCT Adjustable	**Blank =** 120-277V, 0-10V Dimming	**W =** White **S =** Silver **B =** Black	**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] **/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]

[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: **sales@rablighting.com** Website: **www.rablighting.com**

Copyright © 2023 RAB Lighting All Rights Reserved   Note: Specifications are subject to change at any time without notice

Page 3 of 3