



Color: Black

Weight: 4.8 lbs

Project:

Type:

Prepared By:

Date:

Driver Info

Type	Constant Current
120V	0.34A
208V	0.20A
240V	0.18A
277V	0.15A
Input Watts	19.8-40W

LED Info

Watts	40W
Color Temp	3000/3500/4000K
Color Accuracy	93-95 CRI
L70 Lifespan	100,000 Hours
Lumens	2,620-5,428 lm
Efficacy	129.1-141.4 lm/W

Technical Specifications

Field Adjustability

Field Adjustable:

Field Adjustable Light Output:
40/20W (factory default 40W)
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 family is listed with the DesignLights Consortium (DLC). Individual SKUs within this family may carry either a DLC Standard or DLC Premium qualification. Please refer to the individual product specification sheet or the DLC Qualified Products List (QPL) at designlights.org to confirm the qualification status of a specific SKU prior to specification or purchase.

Electrical

Driver:

Constant Current, Class 2, 120-277V, 50/60 Hz:
40W: 120V: 0.34A, 208V: 0.20A, 240V: 0.18A, 277V: 0.15A
20W: 120V: 0.17A, 208V: 0.10A, 240V: 0.09A, 277V: 0.08A

Dimming Driver:

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

THD:

9.5% at 120V, 3.62% at 277V

Power Factor:

92.9% at 120V, 99.6% 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 IESlm-80 results and TM-21 calculations

Performance Data:

[Click here for the BOA4 performance data](#)

Technical Specifications (continued)

Wattage Equivalency:

40W 100% / 0%: Replaces up to (3) F32T8

40W 70% / 30%: Replaces up to (3) F32T8

40W 60% / 40%: Replaces up to (3) F32T8

40W 50% / 50%: Replaces up to (3) F32T8

40W 0% / 100%: Replaces up to (1) F32T8

Construction

Cold Weather Starting:

The minimum starting temperature is -4°F (-20°C)

Maximum Ambient Temperature:

Suitable for use in up to 104°F (40°C)

Housing:

Aluminum

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:

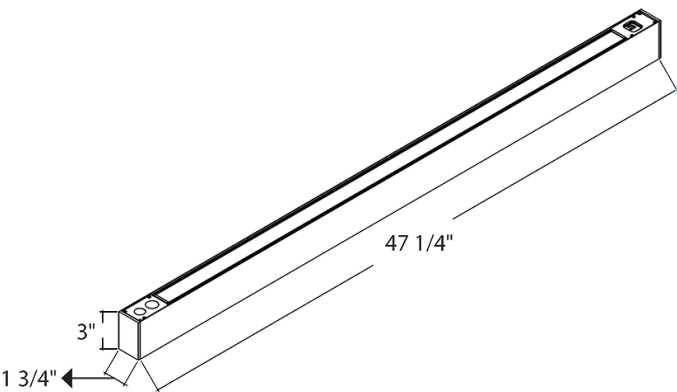
94" of aircraft cable provided with cable grippers for easy adjustment after installation

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.

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	4	P		U			B	
	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