



Upscale design, high-end performance, undeniable value. BOA is designed with proprietary optics that deliver maximum lumens and conceal the LED light sources behind the lens to create a pleasing dimensional illuminance with soft blended beam edges.

Color: White

Weight: 33.1 lbs

Project:

Type:

Prepared By:

Date:

Driver Info

Type	Constant Current
120V	0.72A
208V	0.42A
240V	0.39A
277V	0.36A
Input Watts	87.9W

LED Info

Watts	100W
Color Temp	3000K (Warm)
Color Accuracy	83 CRI
L70 Lifespan	100,000 Hours
Lumens	6,780 lm
Efficacy	77.1 lm/W

Technical Specifications

Lightcloud

Lightcloud Controller Installed:

[LCLC/K](#)

Fixture, Zone, and plug-load control from one powerful device. Capable of switching, 0-10V dimming, power monitoring. Can also be used to extend the range of the Lightcloud mesh network. Attach to fixture, junction box, or electrical panel. [Learn more about Lightcloud.](#)

Compliance

UL Listed:

Suitable for damp locations. Recommended for indoor use only.

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

Optical

Reflector:

40° reflector

Aperture:

2.5"

Construction

Housing:

Precision extruded aluminum

Lens:

High-transmission, microprismatic acrylic lens for smooth light distribution and uniformity

Finish:

Formulated for high durability and long-lasting color

Green Technology:

Mercury and UV free. RoHS-compliant components.

Mounting:

For direct ceiling and wall mounting

LED Characteristics

LEDs:

Discrete LEDs on PCB board

Color Consistency:

3-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color

Color Stability:

LED color temperature is warrantied to shift no more than 200K in color temperature over a 5-year period

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

Other

Warranty:

RAB warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish. RAB's warranty is subject to all terms and conditions found at rablighting.com/warranty.

Special Order:

Available in 6-8 weeks by special request

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.

Electrical

Drivers:

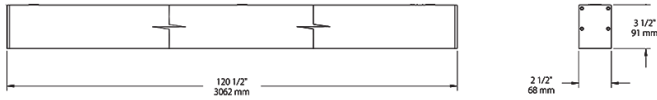
120 - 277V, 0 - 10V dimming down to 10%, 93.7% power factor, 1 kV surge protection

Technical Specifications (continued)

Dimming Driver:

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

Dimensions



Features

- Offers a clean flush mount directly to a ceiling or a wall
- 3-step binning for color consistency
- 0-10V dimming, standard
- 100,000-Hour LED lifespan

Ordering Matrix

Family	Length	Driver	Color Temp	Finish	Battery Backup
BOA	10	S	100	D10	40
	8 = 8 ft 10 = 10 ft ¹ 12 = 12 ft ¹	D10 = 0-10V Dimming	N = 4000K Neutral YN = 3500K Warm Neutral Y = 3000K Warm	W = Matte White S = Matte Silver B = Matte Black ²	Blank = No Battery Backup /E2 = Battery Backup

¹ 6, 10 and 12 foot lengths available by special request.

² Matte Black finish color available by special request.