



<b>Project:</b>	<b>Type:</b>
<b>Prepared By:</b>	<b>Date:</b>

<b>Driver Info</b>		<b>LED Info</b>	
Type	Constant Current	Watts	50W
120V	0.36A	Color Temp	4000K (Neutral)
208V	0.21A	Color Accuracy	84 CRI
240V	0.2A	L70 Lifespan	100,000 Hours
277V	0.18A	Lumens	3,895 lm
Input Watts	43.7W	Efficacy	89.1 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.](#)

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### 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

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### Optical

**Reflector:**  
 40° reflector

**Aperture:**  
 2.5"

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### 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

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### 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

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### 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](http://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.

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### Electrical

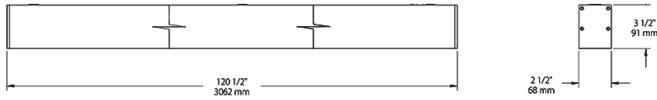
**Drivers:**  
 120 - 277V, 0 - 10V dimming down to 10%, 93.7% power factor, 1 kV surge protection

## 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	50	D10	40
	8 = 8 ft 10 = 10 ft <sup>1</sup> 12 = 12 ft <sup>1</sup>	D10 = 0-10V Dimming	N = 4000K Neutral YN = 3500K Warm Neutral Y = 3000K Warm	W = Matte White S = Matte Silver B = Matte Black <sup>2</sup>	Blank = No Battery Backup /E2 = Battery Backup

<sup>1</sup> 6, 10 and 12 foot lengths available by special request.

<sup>2</sup> Matte Black finish color available by special request.