



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

Driver Info		LED Info	
Type	Constant Current	Watts	88/64/42W
120V	0.75A/0.54A/0.37A	Color Temp	3500/4000/5000K
208V	0.43A/0.31A/0.21A	Color Accuracy	84-86 CRI
240V	0.37A/0.27A/0.18A	L70 Lifespan	100,000 Hours
277V	0.32A/0.24A/0.17A	Lumens	6,769-13,480 lm
Input Watts	43.3-89.6W	Efficacy	145.4-158.9 lm/W

**Technical Specifications**

**Field Adjustability**

**Field Adjustable:**

Field Adjustable Light Output:  
8 ft: 88W/64W/42W (factory default 88W)  
Color temperature selectable by 3500K, 4000K and 5000K (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](http://designlights.org) to confirm the qualification status of a specific SKU prior to specification or purchase.

**Electrical**

**Driver:**

88W: Constant Current, Class 2, 120-277V, 50/60 Hz, 120V: 0.75A, 208V: 0.43A, 240V: 0.37A, 277V: 0.32A  
64W: Constant Current, Class 2, 120-277V, 50/60 Hz, 120V: 0.54A, 208V: 0.31A, 240V: 0.27A, 277V: 0.24A  
42W: Constant Current, Class 2, 120-277V, 50/60 Hz, 120V: 0.37A, 208V: 0.21A, 240V: 0.18A, 277V: 0.17A

**Dimming Driver:**

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

**THD:**

4.61% at 120V, 10.91% at 277V

**Power Factor:**

99.8% at 120V, 97.9% at 277V

**Surge Protection:**

DM: 1 kV  
CM: 2 kV

**Battery Backup:**

Battery backup will operate the fixture for 90 minutes if power fails. Wired for 120-277V.

**Battery Backup Light Loss Factor:**

88W: 0.27  
64W: 0.36  
42W: 0.54

**Performance**

**Lifespan:**

100,000-Hour LED lifespan based on IESIm-80 results and TM-21 calculations

**Wattage Equivalency:**

88W: Replaces up to (5) F32T8 or (3) F96T8  
64W: Replaces up to (4) F32T8 or (2) F96T8  
42W: Replaces up to (3) F32T8 or (1) F96T8

**LED Characteristics**

**LEDs:**

Long-life, high-efficiency, 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.

**Construction**

**Maximum Ambient Temperature:**

Suitable for use in up to 122°F (50°C)

**Technical Specifications (continued)**

**Housing:**

Sustainable, biocomposite resin manufactured with coffee chaff, waste seashells, and recycled plastic.

**Lens:**

Acrylic lens

**Finish:**

Naturally occurring, beige, speckled pattern

**Green Technology:**

Mercury free. Made with RoHS-compliant components and biorenewable components.

**Installation**

**Mounting:**

Surface and suspended mount standard. End-to-end connections require conduit wiring.

**Optical**

**BUG Rating:**

CS8 100%: B3 U3 G2

CS8 75%: B3 U3 G2

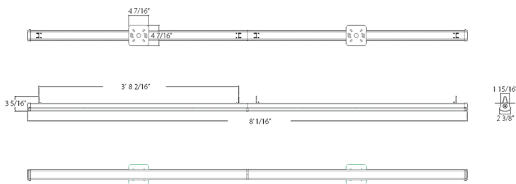
CS8 50%: B3 U3 G1

**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](http://rablighting.com/warranty).

**Dimensions**



**Features**

- 0-10V Dimming, standard
- 100,000-hour LED lifespan
- 5-Year, limited warranty

Ordering Matrix

Family	Size/Wattage	Color Temp	Finish	Driver	Options
CS	8				/E
	4 = 4' (36/27/18W) 8 = 8' (88/64/42W)	Blank = 3500/4000/5000K	Blank = Seashell	Blank = 120-277V, 0-10V	Blank = No Option /E = Battery Backup /MVS = Microwave Occupancy Sensor /LCB = Lightcloud Blue /LCBS = Lightcloud Blue w/PIR Sensor