



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

**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 is on the Design Lights Consortium (DLC) Qualified Products List and is eligible for rebates from DLC Member Utilities. Designed to meet DLC 5.1 requirements.  
 DLC Product Code: S-S98R2B (High-Bay Luminaires for Commercial and Industrial Buildings)  
 DLC Product Code: S-P7PZWS (Direct Linear Ambient Luminaires)

**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: 1Kv  
 CM: 2Kv

**Performance**

**Lifespan:**

100,000-Hour LED lifespan based on IES LM-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**

**Cold Weather Starting:**

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

**Maximum Ambient Temperature:**

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

**Housing:**

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

**Lens:**

Acrylic lens

**Technical Specifications (continued)**

**Finish:**  
Naturally occurring, beige, speckled pattern

**Green Technology:**  
Mercury free. Made with RoHS-compliant components and biorenewable components.

**Installation**

**Mounting:**  
Surface mount and VHOOKs standard. Fixtures designed for end to end connection. Through wiring kit not included.

**Optical**

**BUG Rating:**  
CS8 100%: B3 U3 G2  
CS8 75%: B3 U3 G2  
CS8 50%: B3 U3 G1

**Other**

**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](http://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**



**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				
	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