CS8 RAE



Project:		Туре:	
Prepared	Ву:	Date:	

# **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  $50^{\circ}$ 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

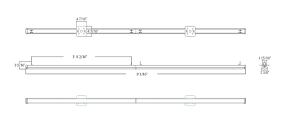
## **5 Yr Limited Warranty:**

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.

## **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

CS8



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