CS8/LCB

RAB

Project:	Type:
Prepared By:	Date:

Color: Seashell   Weight: 7.9 lbs

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)

Lightcloud

Lightcloud Blue Sensor Installed:
Lightcloud Blue is a Bluetooth Mesh wireless lighting control system that allows you to control RAB's various compatible devices. With RAB's patented Rapid Provisioning technology, devices can be quickly and easily commissioned for residential and large commercial applications using the Lightcloud Blue mobile app. Each device in a system can communicate with any other device, eliminating the need for a Gateway or Hub and maximizing the control system's reach.

DLC system - N1XMLOEATBA (Interior);
NHCZ2BIA17L (Exterior)

Learn more at www.lightcloud.com.

Gateway Required:
No

Communication Protocol:
Bluetooth Mesh

Range:
Indoor: Up to 60 feet between standard building materials. Building materials such as brick, concrete, and steel construction may require additional Lightcloud Blue devices to extend around an obstruction; Up to 200 feet clear line of sight.

Outdoor: Up to 60 feet clear line of sight; Up to 18 feet around corners

Spacing Criteria:
Lightcloud Blue devices should be placed within the specified range to communicate within the Bluetooth Mesh network.

Factory Reset:
Method 1: Delete from App
Open the app and access the device settings for the paired device. Be sure that the device is online and select 'Delete from Site'. The device will flash on/off 5 times and return to full brightness.

Method 2: Manual
Power the device off and on 5x consecutively. Do not allow less than 4s to elapse from switching off to on. Do not allow more than 2s to elapse from switching on to off. The device will flash 3x, then reset to 100% brightness at default CCT.

Method 3: Rapid Reset Tool
The Rapid Reset process must be done by a professional electrician qualified by RAB. Reach out to your RAB sales manager to request a Rapid Reset Tool. The tool simply needs to be placed directly on the small Lightcloud Blue logo on the device for 2s or until the lamp/luminaire flashes 3x, then resets to 100% brightness at the default CCT.

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.

Technical Specifications (continued)

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

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
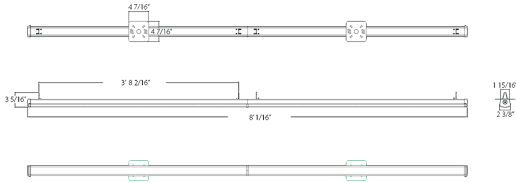CS8 75%: B3 U3 G2
CS8 50%: B3 U3 G1

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.

CS8/LCB

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				/LCB

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