



Project:	Type:
Prepared By:	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°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

Sensor Settings

Operating Voltage:

DC Input: 10.5-15V

Current>50mA

Operating Temperature:

Ta: -31° F (-35° C)* ~ +122° F(+50° C)

Sensor Warranty:

5-year sensor warranty

Sensitivity Setting:

25%/50%/75%/100%

Standby Period:

0s/10s/30s/1min/5min/10min/30min/60min/+∞

Daylight:

2Lux/10Lux/30Lux/50Lux/80Lux/120Lux/Disable

Hold Time:

5s/30s/1min/3min/5min/10min/20min/30min

Standby Dimming:

10%/20%/30%/50%

Detection Angle:

30° to 150° without glass cover

Detection Distance:

Radius 9.84-22.96ft(3-7m)

Mounting Height:

Max 49ft.(15m)

Other

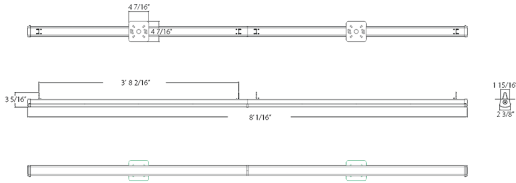
5 Yr Limited Warranty:

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

Ordering Matrix

Family	Size/Wattage	Color Temp	Finish	Driver	Options
CS	8				/MVS
	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