



Project:	Type:
Prepared By:	Date:

Driver Info		LED Info	
Type	Constant Current	Watts	20/15/10W
120V	0.08A/0.12A/0.16A/0.17A	Color Temp	3500K/4000K/5000K
208V	0.06A/0.08A/0.09A/0.10A	Color Accuracy	83-85 CRI
240V	0.05A/0.07A/0.08A	L70 Lifespan	100,000 Hours
277V	0.04A/0.06A/0.07A	Lumens	1558-3109 lm
Input Watts	10.4-19.8W	Efficacy	148.4-161.1 lm/W

Technical Specifications

Field Adjustability

Field Adjustable:

Field Adjustable Light Output:
20/15/10W (factory default 20W)
Color temperature selectable by 3500/4000/5000 (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.

CCEA Compliant:

Luminaire Requirements used in Environmental Air Space per the electrical code specification of the City of Chicago

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-B78ZKF

LED Characteristics

LEDs:

Long-life, high-efficiency, discrete, surface-mount LEDs

Color Consistency:

4-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color

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.

Performance

Lifespan:

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

Electrical

Driver:

Constant Current, Class 2, 120-277V, 50/60 Hz:
20W: 120V: 0.167A, 208V: 0.096A, 240V: 0.083A, 277V: 0.072A
15W: 120V: 0.125A, 208V: 0.072A, 240V: 0.063A, 277V: 0.054A
10W: 120V: 0.083A, 208V: 0.048A, 240V: 0.042A, 277V: 0.036A

Dimming Driver:

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

THD:

7.74% at 120V, 8.68% at 277V

Power Factor:

99.4% at 120V, 95.1% at 277V

Aux Power Supply:

Yes

Dim to Off:

Yes

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.

Construction

Cold Weather Starting:

The minimum starting temperature is 0°C (32°F)

Technical Specifications (continued)

Maximum Ambient Temperature w/Battery

Backup:

Suitable for use in up to 104°F (40°C)

Lens:

Polycarbonate lens

Housing:

Metal

Reflector:

Metal

Green Technology:

Mercury and UV free. RoHS-compliant components.

Installation

Mounting:

Surface mounting standard. V-Hooks and Chain mounting available (ordered separately, SR VHOOK KIT).

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.rablighting.com/feature/new-lightcloud-blue.

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.

Ordering Matrix

Family	Size/Wattage	Color Temp	Finish	Driver	Controls	Battery Backup
STRP	4				/LCBS	/E
	2 = 2 ft, 10/8/6W 2H = 2 ft, 20/15/10W 4 = 4 ft, 20/15/10W 4H = 4 ft, 40/30/20W	Blank = 3500/4000/5000K CCT Adjustable	Blank = White	Blank = 120-277V, 0-10V Dimming	Blank = None /MVS = Microwave Occupancy Sensor /PIR = Passive Infrared Occupancy Sensor /LCBS = Lightcloud Blue w/PIR Sensor /LCBS/MVS = Lightcloud Blue w/MVS Sensor	Blank = None /E = Battery Backup ¹

¹ Only available for 4 ft models