



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-efficacy, 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).

Sensor Settings

PIR Sensor Factory Settings:

Brightness: 100%

Hold Time: 20 Minutes

Daylight: Disabled

Sensitivity: 100%

Stand-By Dimming Level: 20%

Stand-By Time: 1 Minute

Operating Voltage:

12 ± 2V DC

Operating Current:

30mA

Output:

DIM 0-10V

Stand-By Power:

<0.5W

Brightness:

0%-100%/Quick setting: 70%/80%/90%/100%

Hold Time:

10s/1min/10min/30min

Daylight Threshold:

10Lux/30Lux/50Lux/100Lux/Disable

Lux On-Off:

Adopted dual PD technology. GUS17-PIR is able to differentiate artificial light brightness from natural light after installed inside.

Stand-By Dimming Level:

10%/20%/30%/50%

Detection Angle:

≤120° (wall mounted) 360° (ceiling mounted)

Control Line:

Black White 12V+ ; Purple: DIM+ ; Pink GND/DIM-

Mounting Height:

Max 6M (ceiling mounted)

Detection Range:

Max 8m (ceiling mounted) Max 6m(wall mounted)

Operating Temperature:

-30°C to 60°C (-22°F to 140°F)

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.

Stand-By Time:

1min/30min/60min/+∞

Ordering Matrix

Family	Size/Wattage	Color Temp	Finish	Driver	Controls	Battery Backup
STRP	4				/PIR	/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