



Project:	Type:
Prepared By:	Date:

Driver Info		LED Info	
Type	Constant Current	Watts	40/30/20W
120V	0.15A/0.16A/0.23A/0.24A/0.31A/0.32A	Color Temp	3500K/4000K/5000K
208V	0.11A/0.14A/0.18A	Color	84-85 CRI
240V	0.09A/0.12A/0.16A	Accuracy	
277V	0.08A/0.11A/0.14A	L70 Lifespan	100,000 Hours
Input Watts	18.7-38.1W	Lumens	2924-5815 lm
		Efficacy	146.8-160.8 lm/W

Technical Specifications

Field Adjustability

Field Adjustable:

Field Adjustable Light Output:
40/30/20W (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 family is listed with the DesignLights Consortium (DLC). Individual SKUs within this family may carry either a DLC Standard or DLC Premium qualification. Please refer to the individual product specification sheet or the DLC Qualified Products List (QPL) at designlights.org to confirm the qualification status of a specific SKU prior to specification or purchase.

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 IESIm-80 results and TM-21 calculations

Electrical

Driver:

Constant Current, Class 2, 120-277V, 50/60 Hz:
40W: 120V: 0.333A, 208V: 0.192A, 240V: 0.167A, 277V: 0.144A
30W: 120V: 0.250A, 208V: 0.144A, 240V: 0.125A, 277V: 0.108A
20W: 120V: 0.167A, 208V: 0.096A, 240V: 0.083A, 277V: 0.072A

Dimming Driver:

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

THD:

9.82% at 120V, 6.68% at 277V

Power Factor:

99.3% at 120V, 95.3% 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.

Battery Backup Light Loss Factor:

40W: 10%
30W: 13.3%
20W: 20%

Technical Specifications (continued)

Construction

Cold Weather Starting:

The minimum starting temperature is 32°F/0°C

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 Time:

1min/30min/60min/+∞

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:

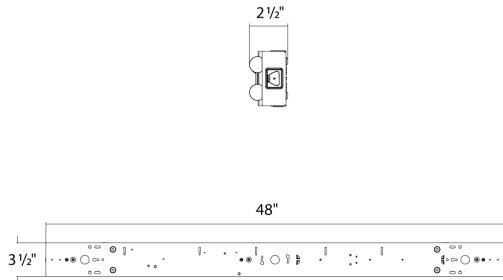
-30°C to 60°C (-22°F to 140°F)

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.

Dimensions



Features

- 100,000-Hour LED lifespan
- 120-277V standard
- 0-10V dimming, standard
- 5-Year, limited warranty

Ordering Matrix

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