



Project:	Type:
Prepared By:	Date:

Driver Info		LED Info	
Type	Constant Current	Watts	110/95/80W
120V	0.96A/0.80A/0.67A	Color Temp	3500/4000/5000K
208V	0.56A/0.46A/0.38A	Color Accuracy	80-81 CRI
240V	0.48A/0.40A/0.34A	L70 Lifespan	100,000 Hours
277V	0.42A/0.35A/0.29A	Lumens	10,406-14,348 lm
Input Watts	76.3-108W	Efficacy	127-142 lm/W

Technical Specifications

Field Adjustability

Field Adjustable:

Field Adjustable Light Output:
110W/95W/80W (factory default 80W)
Color Temperature Selectable:
3500K, 4000K and 5000K (factory default 4000K)
On/Off Photocell (factory default "Off")

Lightcloud

Lightcloud Controller Installed:

Fixture, Zone, and plug-load control from one powerful device. Capable of switching, 0-10V dimming, power monitoring. Can also be used to extend the range of the Lightcloud mesh network. Attach to fixture, junction box, or electrical panel. [Learn more at www.lightcloud.com](http://www.lightcloud.com)

Compliance

UL Listed:

Suitable for wet locations

IP Rating:

Ingress protection rating of IP65 for dust and water

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 listed by Design Lights Consortium (DLC) as an ultra-efficient premium product that qualifies for the highest tier of rebates from DLC Member Utilities. Designed to meet DLC 5.1 requirements.
DLC Product Code: S-0BVCWF

Performance

Lifespan:

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

Driver:

110W: Constant Current, Class 1, 50/60 Hz, 120V-277V, 120V: 0.96A, 208V: 0.56A, 240V: 0.48A, 277V: 0.42A
95W: Constant Current, Class 1, 50/60 Hz, 120V-277V, 120V: 0.80A, 208V: 0.46A, 240V: 0.40A, 277V: 0.35A
80W: Constant Current, Class 1, 50/60 Hz, 120V-277V, 120V: 0.67A, 208V: 0.38A, 240V: 0.34A, 277V: 0.29A

LED Characteristics

LEDs:

Long-life, high-efficacy, surface-mount LEDs

Color Consistency:

7-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.

Electrical

Dimming Driver:

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

THD:

110W: 3.84% at 120V, 7.01% at 277V
95W: 4.47% at 120V, 8.92% at 277V
80W: 5.18% at 120V, 9.68% at 277V

Power Factor:

110W: 99.8% at 120V, 96.6% at 277V
95W: 99.7% at 120V, 95.5% at 277V
80W: 99.6% at 120V, 94% at 277V

Battery Backup:

Battery backup will operate the fixture for 90 minutes if power fails. Wired for 120-277V.

Battery Backup Light Loss Factor:

110W: 15%
95W: 17%
80W: 20%

Technical Specifications (continued)

Surge Protection:

Ringwave LN4kV/LN-GND 6kV

Aux Power Supply:

Yes

Dim to Off:

Yes

Photocell:

Integrated photocell included with on/off switch
(factory default: off)

Construction**Cold Weather Starting:**

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

Maximum Ambient Temperature:

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

Gaskets:

High-temperature silicone

Housing:

Die-cast aluminum

Lens:

Polycarbonate lens

Reflector:

Polycarbonate

Green Technology:

Mercury and UV free. RoHS-compliant components.

Finish:

Formulated for high durability and long-lasting color

Installation**Mounting:**

Surface and pendant mounting

Optical**BUG Rating:**

110W: B4 U5 G5

95W: B4 U4 G5

80W: B3 U4 G5

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.

Ordering Matrix

Family	Wattage	Color Temp	Shape	Finish	Driver	Options
PRT	110		S	W		/LC/E
	55 = 55/42/30W 80 = 80/70/60W 110 = 110/95/80W	Blank = 3500/4000/5000K Adjustable CCT	R = Round S = Square	Blank = Bronze W = White	Blank = 120-277V, 0-10V Dimming /480 = 480V, 0-10V Dimming	Blank = On/Off Photocell ¹ /E = Battery Backup & On/Off Photocell ² /LC = Lightcloud /LCB = Lightcloud Blue /LC/E = Lightcloud w/Battery Backup ² /LCB/E = Lightcloud Blue w/ Battery Backup ²

¹ Integrated photocell can't be used when ordered with LC or LCB options

² Battery backup only available on 120-277V models