



<b>Project:</b>	<b>Type:</b>
<b>Prepared By:</b>	<b>Date:</b>

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:  
55W/42W/30W (factory default 55W)  
Color Temperature Selectable:  
3500K, 4000K and 5000K (factory default 4000K)  
On/Off Photocell (factory default "Off")

**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-efficiency, 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

**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)

## Technical Specifications (continued)

### Construction

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**Cold Weather Starting:**

The minimum starting temperature is -40°C (-40°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

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### Installation

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**Mounting:**

Surface and pendant mounting

### Optical

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**BUG Rating:**

110W: B4 U5 G5

95W: B4 U4 G5

80W: B3 U4 G5

### Other

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**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](http://rablighting.com/warranty).

Ordering Matrix

Family	Wattage	Color Temp	Shape	Finish	Driver	Options
PRT	110		S	W		
	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, On/Off Photocell /480 = 480V, 0-10V Dimming, On/Off Photocell	Blank = On/Off Photocell <sup>1</sup> /E = Battery Backup & On/Off Photocell <sup>2</sup> /LC = Lightcloud /LCB = Lightcloud Blue /LC/E = Lightcloud w/Battery Backup <sup>2</sup> /LCB/E = Lightcloud Blue w/Battery Backup <sup>2</sup>

<sup>1</sup> Integrated photocell can't be used when ordered with LC or LCB options

<sup>2</sup> Battery backup only available on 120-277V models