



<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	N/A	Color Temp	3500/4000/5000K
208V	N/A	Color Accuracy	80-82 CRI
240V	N/A	L70 Lifespan	100,000 Hours
277V	N/A	Lumens	10,563-14,631 lm
Input Watts	78.8-110.3W	Efficacy	124.2-140.4 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")

### 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-YHSJLZ

### 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, 480V, 480V: 0.24A  
95W: Constant Current, Class 1, 50/60 Hz, 480V, 480V: 0.20A  
80W: Constant Current, Class 1, 50/60 Hz, 480V, 480V: 0.17A

### 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: 12.02% at 480V  
95W: 13.83% at 480V  
80W: 16.09% at 480V

#### Power Factor:

110W: 94.3% at 480V  
95W: 92.7% at 480V  
80W: 90.5% at 480V

#### Surge Protection:

Ringwave LN4kV/LN-GND 6kV

#### Aux Power Supply:

Yes

#### Dim to Off:

Yes

## Technical Specifications (continued)

### Photocell:

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

### 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

### Installation

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#### Mounting:

Surface and pendant mounting

### Optical

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#### BUG Rating:

110W: B4 U5 G5

95W: B4 U5 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).

#### 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	/480	/LC
	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 <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