



Color: Black

Weight: 36.9 lbs

Project:

Type:

Prepared By:

Date:

### Driver Info

Type	Constant Current
120V	4.31A
208V	2.48A
240V	2.15A
277V	1.86A
Input Watts	506.6W

### LED Info

Watts	500W
Color Temp	5700K
Color Accuracy	74 CRI
L70 Lifespan	100,000 Hours
Lumens	72,476 lm
Efficacy	143.1

## Technical Specifications

### 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

#### 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.

#### IP Rating:

Ingress protection rating of IP65 for dust and water

#### 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-PL8YHP

### Electrical

#### Driver:

Constant Current, Class 1, 120-277V, 50/60 Hz, 120V: 4.31A, 208V: 2.48A, 240V: 2.15A, 277V: 1.86A

#### Dimming Driver:

Driver includes wiring for 0-10V dimming systems. Dim as low as 10%.

#### THD:

9.05% at 120V, 6.58% at 277V

#### Power Factor:

99.6% at 120V, 96.5% at 277V

#### Surge Protection:

10kV

#### Aux Power Supply:

Yes

#### Dim to Off:

Yes

### LED Characteristics

#### LEDs:

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

### 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

### Construction

#### Cold Weather Starting:

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

#### Maximum Ambient Temperature:

Suitable for use in up to 50°C (122°F)

#### Housing:

Precision die-cast aluminum

#### Lens:

Polycarbonate lens

#### Tilt Increment:

Continuous tilting with 5° increments

## Technical Specifications (continued)

### Effective Projected Area (With Shield):

0°: 1.2864  
15°: 1.2934  
25°: 1.43  
45°: 1.7071  
60°: 1.873  
75°: 2.0015  
90°: 2.0669

### Gaskets:

High-temperature silicone

### Finish:

Formulated for high durability and long-lasting color

### Green Technology:

Mercury and UV free. RoHS-compliant components.

## Installation

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### Mounting:

Trunnion mount with stainless steel hardware

## Optical

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### NEMA Type:

NEMA Beam Spread of 2H x 2V

## Other

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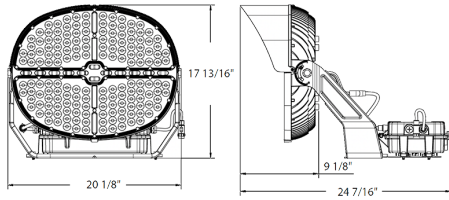
### 10 Yr Limited Warranty:

The RAB 10-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.

**Dimensions**



**Features**

- 100,000-Hour LED lifespan
- IP65 rating protects against dust and water
- 10-Year, Limited warranty

**Ordering Matrix**

Family	Wattage	Color Temp	Mounting	Optics	Finish	Driver	Options
P1	S			B22			/LC
	S = 500W M = 600W L = 850W XL = 1200W	Blank = 5700K	Blank = Yoke Mount	Blank = 4H x 4V B33 = 3H x 3V B22 = 2H x 2V	Blank = Black	Blank = 120-277V, 0-10V Dimming /480 = 200-480V, 0-10V Dimming	Blank = No Option /LC = Lightcloud