



Color: Black

Weight: 56.7 lbs

Project:

Type:

Prepared By:

Date:

**Driver Info**

Type	Constant Current	Watts	850W
120V	N/A	Color Temp	5700K
208V	4.18A	Color Accuracy	74 CRI
240V	3.63A	L70 Lifespan	100,000 Hours
277V	3.15A	Lumens	123,911 lm
Input Watts	856.1W	Efficacy	144.7

**LED Info****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-TFMDCP

**Electrical****Driver:**

Constant Current, Class 1, 200-480V, 50/60 Hz, 208V: 4.18A 240V: 3.63A, 277V: 3.15A, 480V: 1.86A

**Dimming Driver:**

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

**THD:**

20.51% at 480V

**Power Factor:**

94.9% at 480V

**Surge Protection:**

20 kV

**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

**Wattage Equivalency:**

3000W Metal Halide

**Construction****Cold Weather Starting:**

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

**Maximum Ambient Temperature:**

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

**Housing:**

Precision die-cast aluminum

**Lens:**

Polycarbonate lens

**Tilt Increment:**

Continuous tilting with 5° increments

**Technical Specifications (continued)****Effective Projected Area (With Shield):**

0°: 1.67  
 15°: 1.7642  
 25°: 1.8914  
 45°: 2.2483  
 60°: 2.4786  
 75°: 2.6644  
 90°: 2.774

**Gaskets:**

High-temperature silicone

**Finish:**

Formulated for high durability and long-lasting color

**Green Technology:**

Mercury and UV free. RoHS-compliant components.

**Installation****Mounting:**

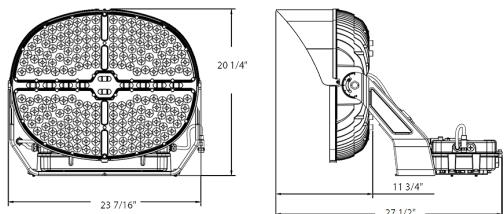
Trunnion mount with stainless steel hardware

**Optical****NEMA Type:**

NEMA Beam Spread 2H x 2V

**Other****10-Year 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).

**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	Controls
P1	L			B22		/480	/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 /LCB = Lightcloud Blue