



Color: Black

Weight: 36.5 lbs

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

Driver Info		LED Info	
Type	Constant Current	Watts	600W
120V	5.20A	Color Temp	5700K
208V	3.00A	Color Accuracy	76 CRI
240V	2.61A	L70 Lifespan	100,000 Hours
277V	2.29A	Lumens	85,826 lm
Input Watts	604.3W	Efficacy	142

### Technical Specifications

#### 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-51FM2M

#### Electrical

**Driver:**

Constant Current, Class 1, 120-277V, 50/60 Hz, 120V: 5.20A, 208V: 3.00A, 240V: 2.61A, 277V: 2.29A

**Dimming Driver:**

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

**THD:**

9.71% at 120V, 13.11% at 277V

**Power Factor:**

99.6% at 120V, 97.2% 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

**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.

**Technical Specifications (continued)**

**Installation**

**Mounting:**

Trunnion mount with stainless steel hardware

**Optical**

**NEMA Type:**

NEMA Beam Spread of 4H x 4V

**Other**

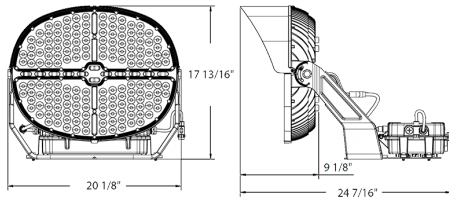
**10 Yr Limited Warranty:**

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	M						
	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