



Color: Black

Weight: 56.7 lbs

Project:

Type:

Prepared By:

Date:

Driver Info

Type	Constant Current
120V	6.96A
208V	4.00A
240V	3.45A
277V	3.01A
Input Watts	847W

LED Info

Watts	850W
Color Temp	5700K
Color Accuracy	76 CRI
L70 Lifespan	100,000 Hours
Lumens	113,849 lm
Efficacy	134.4

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

Trade Agreements Act Compliant:

This product is a product of Cambodia and a "designated country" end product that complies with the Trade Agreements Act

DLC Listed:

This product family is listed with the DesignLights Consortium (DLC). Individual SKUs within this family may carry either a DLC Standard or DLC Premium qualification. Please refer to the individual product specification sheet or the DLC Qualified Products List (QPL) at designlights.org to confirm the qualification status of a specific SKU prior to specification or purchase.

Electrical

Driver:

Constant Current, Class 1, 120-277V, 50/60 Hz, 120V: 6.96A, 208V: 4.00A, 240V: 3.45A, 277V: 3.01A

Dimming Driver:

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

THD:

3.13% at 120V, 4.71% at 277V

Power Factor:

99.9% at 120V, 97.7% at 277V

Surge Protection:

10 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 IESIm-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 (EPA) (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:

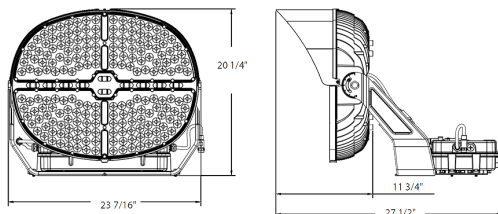
NEMA Beam Spread 4H x 4V

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.

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						
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