



Color: Black

Weight: 56.7 lbs

Project:

Type:

Prepared By:

Date:

Driver Info

Type	Constant Current
120V	N/A
208V	4.18A
240V	3.63A
277V	3.15A
Input Watts	857.4W

LED Info

Watts	850W
Color Temp	5700K
Color Accuracy	76 CRI
L70 Lifespan	100,000 Hours
Lumens	121,993 lm
Efficacy	142.3

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-YGB35J

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:

19.65% at 480V

Power Factor:

95.1% 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 IESlm-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:

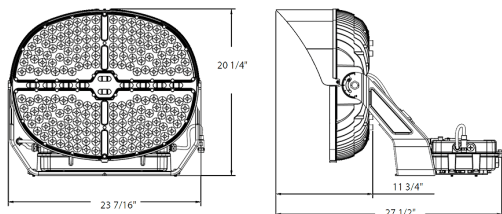
NEMA Beam Spread 3H x 3V

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			B33		/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