P1M/LCB

RAB®

Project: | Type:
Prepared By: | Date:

Color: Black   Weight: 36.5 lbs

Driver Info

Type	Constant Current
120V	5.20A
208V	3.00A
240V	2.61A
277V	2.29A
Input Watts	604.3W

LED Info

Watts	600W
Color Temp	5700K
Color Accuracy	76 CRI
L70 Lifespan	100,000 Hours
Lumens	85,826 lm
Efficacy	142

Technical Specifications

Lightcloud

Lightcloud Blue Sensor Installed:
Lightcloud Blue is a Bluetooth Mesh wireless lighting control system that allows you to control RAB's various compatible devices. With RAB's patented Rapid Provisioning technology, devices can be quickly and easily commissioned for residential and large commercial applications using the Lightcloud Blue mobile app. Each device in a system can communicate with any other device, eliminating the need for a Gateway or Hub and maximizing the control system's reach.

DLC system - N1XMLOEATBA (Interior); NHCZ2BIA17L (Exterior)

Learn more at www.rablighting.com/feature/new-lightcloud-blue.

Gateway Required:
No

Communication Protocol:
Bluetooth Mesh

Range:
Outdoor: Up to 200 feet clear line of sight; Up to 120 feet around corners

Spacing Criteria:
Lightcloud Blue devices should be placed within the specified range to communicate within the Bluetooth Mesh network.

Device Identification Button:
Located at the top of the controller under the Lightcloud logo.
Once the Controller has been provisioned to the Lightcloud Blue mobile app this button offers the following functionality:
Press once to rapid identify this device in the Lightcloud Blue mobile app
Press twice to toggle circuit on and off
Press twice and hold to set dim level
Press and hold for 10s to reset the device to factory settings and into pairing mode

Wireless Capabilities:
Control light(s) on/off, dim up/down, set scenes and schedules with the Lightcloud Blue mobile app or compatible devices.

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

Status Indicator:
The status indicator light is located around the circumference of the top of the Controller.
• Solid Green: connected to a Lightcloud Blue network.
• Blinking Red when unprovisioned

Surge Protection:
10 kV

Aux Power Supply:
Yes

Dim to Off:
Yes

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

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Technical Specifications (continued)

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

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:
2000W 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

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

Mounting:
Trunnion mount with stainless steel hardware
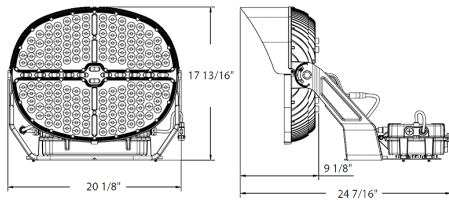
Optical

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.

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RAB

Dimensions

17 13/16"

20 1/8"

9 1/8"

24 7/16"

Features

100,000-Hour LED lifespan

IP65 rating protects against dust and water

10-Year, Limited warranty