P1M/LC

RAB

Color: Black   Weight: 36.9 lbs

Project:		Type:	
Prepared By:		Date:	

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 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

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

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Technical Specifications (continued)

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
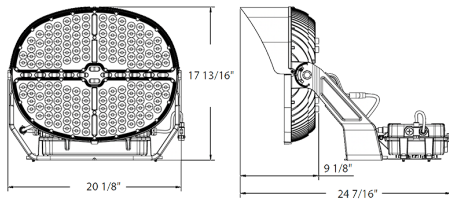
NEMA Type:
NEMA Beam Spread of 4H x 4V

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.

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.

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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

Ordering Matrix

Family	Wattage	Color Temp	Mounting	Optics	Finish	Driver	Options
P1	M						/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

Need help? Tech help line: **(888) 722-1000** Email: **sales@rablighting.com** Website: **www.rablighting.com**

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