



Flush mount canopy fixture ideal for vehicle service and fueling stations as a retrofit or new construction installation. 16" x 16" models offered in two power packages with an equivalency range from 150W to 250W Metal Halide. Also available in 20" x 20" models with three power packages.

Color: White

Weight: 26.7 lbs

Project:

Type:

Prepared By:

Date:

Driver Info

Type: Constant Current
120V: N/A
208V: N/A
240V: N/A
277V: N/A
Input Watts: 114W
Efficiency: 88%

LED Info

Watts: 100W
Color Temp: 3000K (Warm)
Color Accuracy: 71 CRI
L70 Lifespan: 100,000
Lumens: 14,477
Efficacy: 127 LPW

Technical Specifications

Listings

UL Listing:

Suitable for wet locations.

IESNA LM-79 & LM-80 Testing:

RAB LED luminaires have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80, and have received the Department of Energy "Lighting Facts" label.

Electrical

Driver:

Constant Current, Class 2 347-480V, 50/60 Hz. THD <20%. PF >0.90, 700mA

Optical

BUG Rating:

B3 U0 G1

Construction

IP Rating:

Ingress Protection rating of IP66 for dust and water.

Ambient Temperature:

Suitable for use in 40°C (104°F) ambient temperatures.

Cold Weather Starting:

Minimum starting temperature is -40°F/-40°C

Housing:

Die-cast aluminum with stainless steel cover

Mounting:

Semi-recessed construction. Junction box with four (4) 1/2" NPS conduit openings.

Lens:

Tempered glass

Gaskets:

High-temperature silicone gaskets

Retroplate:

An optional retroplate allows for installation in openings from 4 to 6.5 inches in diameter. Additional retrofit options are available upon request to replace virtually any existing fixture. Please contact RAB Customer Service 1-888-722-1000.

Finish:

Our environmentally friendly polyester powder coatings are formulated for high-durability and long-lasting color, and contain no VOC or toxic heavy metals.

Green Technology:

Mercury and UV free, and RoHS compliant. Polyester powder coat finish formulated without the use of VOC or toxic heavy metals.

LED Characteristics

Lifespan:

100,000-hour LED lifespan based on IES LM-80 results and TM-21 calculations.

LEDs:

Long-life, high-efficiency surface mount LEDs

Color Consistency:

7-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color.

Color Stability:

RAB LEDs exceed industry standards for chromatic stability.

Color Uniformity:

RAB's range of CCT (Correlated Color Temperature) follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2011.

Other

Equivalency:

MA51™ 100W replaces 250W metal halide.

Country of Origin:

Designed by RAB in New Jersey and assembled in the USA by RAB's IBEW Local 3 workers.

Buy American Act Compliant:

This product is a COTS item manufactured in the United States, and is compliant with the Buy American Act.

Trade Agreements Act Compliant:

This product is a COTS item manufactured in the United States, and is compliant with the Trade Agreements Act.

GSA Schedule:

Suitable in accordance with FAR Subpart 25.4.

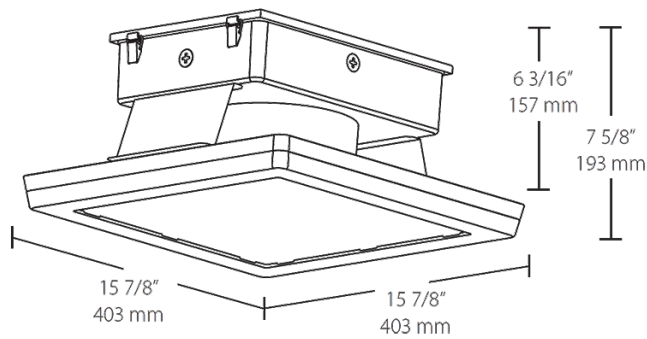
California Title 24:

Please refer to MA51 models with 0-10V dimming drivers for fixtures that comply with 2013 California Title 24 building and electrical codes.

Warranty:

RAB warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish.

Dimensions



Features

- All 120-277V models DLC Premium listed, qualifying for highest available utility rebates
- Premium performance, ultra-high efficiency for fastest payback
- Easily installs in 4" openings and replaces most existing fixtures
- Retroplate accessory available for openings larger than 4"
- Water-resistant junction box and drain-off slots
- 5-Year bumper-to-bumper warranty

Ordering Matrix

Family	Size	Watts	Color Temp	Finish	Dimming	Voltage
MASI						
	16 = 16" x 16"	52 = 52W 80 = 80W 100 = 100W	= 5000K (Cool) Y = 3000K (Warm) N = 4000K (Neutral)	W = White	= No Dimming /D10 = Dimmable	= 120-277V /480 = 480V