MASI16-52YW/D10

RAB
LIGHTING

Project:		Type:	
Prepared By:		**Date:**	

Driver Info

Type:	Constant Current
120V:	0.46A
208V:	0.274A
240V:	0.238A
277V:	0.206A
Input Watts:	54W
Efficiency:	97%

LED Info

Watts:	52W
Color Temp:	3000K
Color Accuracy:	71 CRI
L70 Lifespan:	100000
Lumens:	6,313
Efficacy:	117 LPW

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

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.

DLC Listed:

This product is on the Design Lights Consortium (DLC) Qualified Products List and is eligible for rebates from DLC Member Utilities.
DLC Product Code: PHXM7HY1

Electrical

Driver:

Constant Current, Class 2 100V - 277V, 50/60 Hz. THD <20%. PF >0.90, 1400mA

Dimming Driver:

Driver includes dimming control for 0-10V dimming systems. Requires separate 0-10V DC dimming circuit. Dims as low as 10%.

THD:

6.9% at 120V, 8.9% at 277V

Power Factor:

99.2% at 120V, 96.9% at 277V

Optical

BUG Rating:

B2 U0 G1

Construction

IP Rating:

Ingress Protection rating of IP66 for dust and water.

Maximum 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. RoHS compliant components. 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:

MASI™ 52W replaces 150W 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.

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Technical Specifications (continued)

Other

Trade Agreements Act Compliant:

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

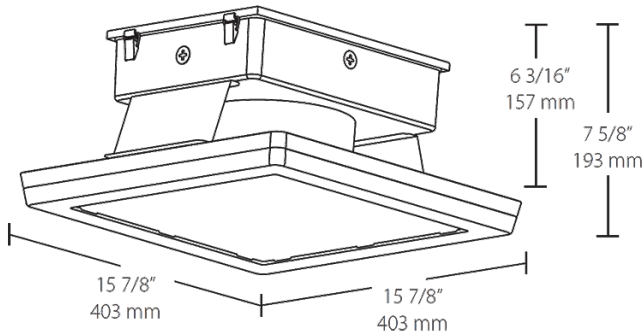**GSA Schedule:**

Suitable in accordance with FAR Subpart 25.4.

California Title 24:

This MASI model complies with 2013 California Title 24 building and electrical codes as an outdoor non-pole mounted fixture > 30 Watts when used with a RAB Stealth dimmer or a dimming control provided by others.

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

6 3/16"
157 mm

7 5/8"
193 mm

15 7/8"
403 mm

15 7/8"
403 mm

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	**Blank** = 5000K (Cool)	**W** = White	**Blank** = No Dimming	**Blank** = 120-277V
		80 = 80W	**Y** = 3000K (Warm)		**/D10** = Dimmable	**/480** = 480V
		100 = 100W	**N** = 4000K (Neutral)			

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