# MASI16-80W/D10

**RAB**®

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

### Driver Info

| | |
|---|---|
| Type | Constant Current |
| 120V | 0.724A |
| 208V | 0.453A |
| 240V | 0.343A |
| 277V | 0.341A |
| Input Watts | 86.3W |

### LED Info

| | |
|---|---|
| Watts | 80W |
| Color Temp | 5000K (Cool) |
| Color Accuracy | 74 CRI |
| L70 Lifespan | 100,000 Hours |
| Lumens | 12,207 lm |
| Efficacy | 142 |

## Technical Specifications

### Compliance

**UL Listed:**
Suitable for wet locations

**IP Rating:**
Ingress protection rating of IP66 for dust and water

**IESNA LM-79 &lm-80 Testing:**
RAB LED luminaires and LED components have been tested by an independent laboratory in accordance with IESNAlm-79 andlm-80

**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: P87B5DCW

### Optical

**BUG Rating:**
B3 U0 G1

### Construction

**Maximum Ambient Temperature:**
Suitable for use in up to 40°C (104°F)

**Cold Weather Starting:**
The minimum starting temperature is -40°C (-40°F)

**Housing:**
Die-cast aluminum with stainless steel cover

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

**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

**Green Technology:**
Mercury and UV free. RoHS-compliant components.

### Performance

**Lifespan:**
100,000-Hour LED lifespan based on IES LM-80 results and TM-21 calculations

**Wattage Equivalency:**
Equivalent to 250W Metal Halide

### LED Characteristics

**LEDs:**
Long-life, high-efficacy, 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 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.

### Electrical

**Driver:**
Constant Current, Class 2 100V - 277V, 50/60 Hz. THD <20%. PF >0.90, 550mA

**Dimming Driver:**
Driver includes dimming control wiring for 0-10V dimming systems. Requires separate 0-10V DC dimming circuit. Dims down to 10%.

**THD:**
9.9% at 120V

**RAB**®

## Technical Specifications (continued)

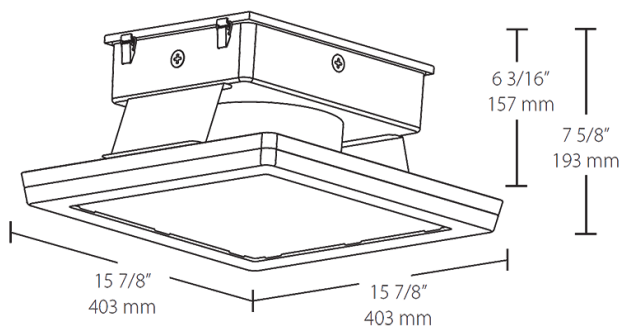**Power Factor:**
99.1% at 120V

### Other

**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. 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.

## 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, No-Compromise Warranty

## Ordering Matrix

| Family | Size | | Wattage | Color Temp | Finish | Driver Options |
|--------|------|---|---------|------------|--------|----------------|
| MASI | 16 | – | 80 | | W | /D10 |
| | **20** = 20" x 20"<br>**16** = 16" x 16" | | **52** = 52W<br>**80** = 80W<br>**100** = 100W<br>**160** = 160W<br>**200** = 200W | **Blank** = 5000K Cool<br>**N** = 4000K Neutral<br>**Y** = 3000K Warm | **W** = White | **/D10** = 120-277V w/ 0-10V Dimming<br>**/480** = 480V On/Off Driver |