# MDLED1X12F-30Y-W





| Type:        | Constant Current | Watts:          | 12W    |
|--------------|------------------|-----------------|--------|
| 120V:        | 0.12A            | Color Temp:     | 3000K  |
| 208V:        | 0.08A            | Color Accuracy: | 90 CRI |
| 240V:        | 0.07A            | L70 Lifespan:   | N/A    |
| 277V:        | 0.06A            | Lumens:         | 924    |
| Input Watts: | 15W              | Efficacy:       | 60 LPW |

Type:

Date:

LED Info

Project:

**Driver Info** 

Efficiency:

78%

Prepared By:

Color: White tray/white head Weight: 2.8 lbs



## **Technical Specifications**

### Listings

#### **UL Listing:**

Suitable for damp locations

#### IESNA LM-79 & LM-80 Testing:

RAB LED luminaries 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.

#### Construction

## IC Rating:

Suitable for direct contact with insulation

### **Cold Weather Starting:**

The minimum starting temperature is -40°F/-40°C.

#### **Ambient Temperature:**

Suitable for use in 55°C ambient temperatures.

#### Lens

Nanostructure lens eliminates "hot spots", and provides smooth, uniform light at higher efficiency.

#### Reflector:

30°

#### 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.

#### Other

### **Gear Tray Component:**

This component must be ordered with Remodeler or New Construction housing in order to make a complete fixture.

#### **Brackets:**

Butterfly brackets allow mounting with  $1/4 \times 1/2$ " bar stock, C Channel, 1/2" conduit, or nailer bars.

#### **Thermal Protection:**

Thermal protector included with On/OFF driver. Disables power if temperature exceeds safe operation levels.

#### Color Gels:

MDLED works great with third-party color gels to achieve a dramatic effect or a subtle accent. Plus, cool running LED won't degrade the gels like hot halogen lamps.

## Tray and Heads:

Professional-grade, die-cast aluminum construction.

#### California Title 24:

See MDLED models with dimming driver for a 2013 California Title 24 compliant product. Any additional component requirements will be listed in the Title 24 section under technical specifications on the product page.

#### 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.

#### **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.

### Recovery Act (ARRA) Compliant:

This product complies with the 52.225-21 "Required Use of American Iron, Steel, and Manufactured Goods-- Buy American Act-- Construction Materials (October 2010).

#### **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.

#### **Electrical**

#### Driver:

On/Off Non-Dimming, Constant Current, Class 2, 100-277V, 50/60Hz,4KV Surge Protection, 350mA, 100-240VAC 0.3-0.15A, 277VAC 0.15A, Power Factor 99%, THD  $\leq$  20%.

#### **LED Characteristics**

#### LED

High-output, long-life LED with 2 step binning and integrated driver technology.

#### Color Consistency:

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

### Color Stability:

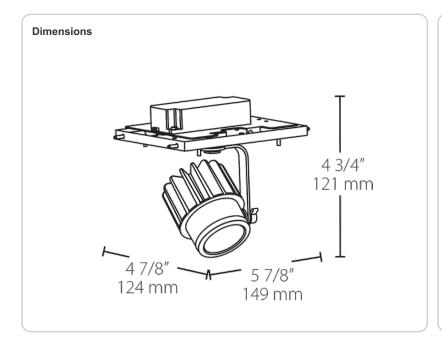
LED color temperature is warrantied to shift no more than 200K in CCT over a 5 year period.

## Color Accuracy:

90 CRI

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## **Features**

Single 12 Watt LED head

Fixture head rotates a full 360° and tilts up to 45°

Easily lock head in place with a thumb screw

Tool-less adjustment for 3 discrete positions: full recess, flush mount or semi-recessed

90 CRI