# MDLED1X12D10-30Y-B





| Project:<br>Prepared By:<br>Driver Info |        | Type:<br>Date:<br>LED Info |        |       |                  |             |       |
|---|--------|----------------------------|--------|-------|------------------|-------------|-------|
|   |        |                            |        | Туре: | Constant Current | Watts:      | 12W   |
|   |        |                            |        | 120V: | 0.12A            | Color Temp: | 3000K |
| 208V:                                   | 0.08A  | Color Accuracy:            | 90 CRI |       |                  |             |       |
| 240V:                                   | 0.07A  | L70 Lifespan:              | N/A    |       |                  |             |       |
|   | 0.06A  | Lumens:                    | 924    |       |                  |             |       |
| 277V:                                   | 010011 |                            |        |       |                  |             |       |
| 277V:<br>Input Watts:                   | 15W    | Efficacy:                  | 60 LPW |       |                  |             |       |

# **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

## **Gear Tray Component:**

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

## **Cold Weather Starting:**

The minimum starting temperature is 14°F/-10°C.Ambient Temperature

## 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. RoHS compliant components. Polyester powder coat finish formulated without the use of VOC or toxic heavy metals.

#### Electrical

## **Dimming Driver:**

0-10V compatible dimmer as low as 10%.

## Driver:

0-10V, Constant Current, Class 2, 120-277V, 50/60Hz,350mA, 120V 0.17A, 277V 0.09A, Power Factor 99.4%, THD≤10%, Minimum Operating Temp 14° F (-100°C).

# Other

# Brackets:

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

# 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:

MDLED1X12D10 complies with 2013 California Title 24 building and electrical codes as a commercial indoor fixture for general spaces when used with a vacancy sensor and 0-10V dimming control. Select a vacancy sensor using catalog number LVS800. 0-10V dimmer 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.

## **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.

## 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.

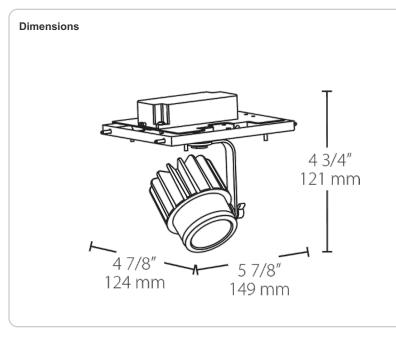
## Color Stability:

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



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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