# MDLED1X12-20Y-B-W





| Project:<br>Prepared By: |                  | Туре:           |        |
|--------------------------|------------------|-----------------|--------|
|                          |                  | Date:           |        |
| Driver Info              |                  | LED Info        |        |
| Туре:                    | Constant Current | Watts:          | 12W    |
| 120V:                    | 0.13A            | Color Temp:     | 3000K  |
| 208V:                    | 0.09A            | Color Accuracy: | 90 CRI |
| 240V:                    | 0.08             | L70 Lifespan:   | N/A    |
| 277V:                    | 0.07A            | Lumens:         | 887    |
| Input Watts:             | 15W              | Efficacy:       | 58 LPW |
|                          | 78%              |                 |        |

# **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:**

20°

#### 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 x 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:

MDLED1X12 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 TRIAC dimming control. Select a vacancy sensor using catalog number LVS800. TRIAC 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.

#### Electrical

#### **Dimming Driver:**

TRIAC compatible dimmer as low as 10%.

## Driver:

TRIAC, Constant Current, Class 2, 120V, 50/60Hz, 350mA, 0.15A, Power Factor 98.9%, THD ≤ 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:**

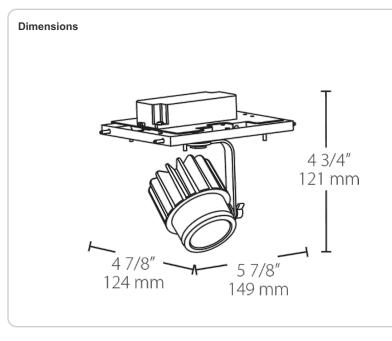
LED color temperature is warrantied to shift no more than 200K in CCT over a 5 year period.

#### **Color Accuracy:**

90 CRI







## 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