# MDLED1X12D10-40YY-W





Project:	Туре:
Prepared By:	Date:

	LED Info	
Constant Current	Watts:	12W
0.12A	Color Temp:	2700K
0.08A	Color Accuracy:	90 CRI
0.07A	L70 Lifespan:	N/A
0.06A	Lumens:	824
16W	Efficacy:	53 LPW
77%		
	0.12A 0.08A 0.07A 0.06A 16W	Constant Current Watts: 0.12A Color Temp: 0.08A Color Accuracy: 0.07A L70 Lifespan: 0.06A Lumens: 16W Efficacy:



## **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:

40°

#### 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:**

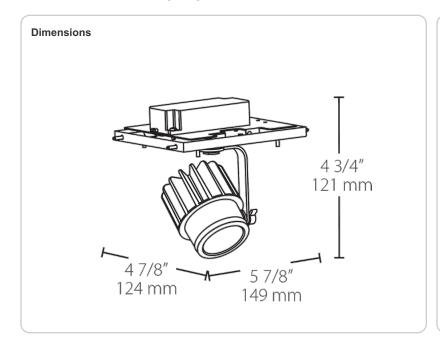
2-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color.

### 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