# MDLED1X12-40YY-B





Project: Prepared By: Driver Info		Type: Date: LED Info					
				Туре:	Constant Current	Watts:	12W
				120V:	0.13A	Color Temp:	2700K
208V:	0.09A	Color Accuracy:	90 CRI				
240V:	0.08	L70 Lifespan:	N/A				
277V:	0.07A	Lumens:	855				
	16W	Efficacy:	55 LPW				
Input Watts:	1000	Emodoy.	00 11 11				

# **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 -40°C/-40°F

### 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:**

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:**

TRIAC compatible dimmer as low as 10%.

### Driver:

TRIAC, Constant Current, Class 2, 120V, 50/60Hz, 350mA, 0.15A, Power Factor 98.9%, THD  $\leq$  20% **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:

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.

### **LED Characteristics**

# LED:

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

### Color Consistency:

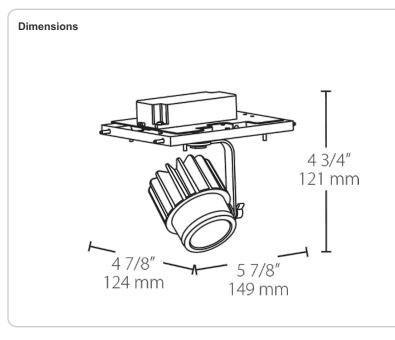
2-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color.

### **Color Stability:**

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







# 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