

# MDLED1X12D10-40YY-W



The multi-head recessed gear tray comes in a variety of configurations and fits securely inside either the new construction or remodeler housings.

Color: White tray/white head

Weight: 2.8 lbs

**Project:**

**Type:**

**Prepared By:**

**Date:**

### Driver Info

|              |                  |
|--------------|------------------|
| Type:        | Constant Current |
| 120V:        | 0.12A            |
| 208V:        | 0.08A            |
| 240V:        | 0.07A            |
| 277V:        | 0.06A            |
| Input Watts: | 16W              |
| Efficiency:  | 77%              |

### LED Info

|                 |        |
|-----------------|--------|
| Watts:          | 12W    |
| Color Temp:     | 2700K  |
| Color Accuracy: | 90 CRI |
| L70 Lifespan:   | N/A    |
| Lumens:         | 824    |
| Efficacy:       | 53 LPW |

## Technical Specifications

### Listings

#### UL Listing:

Suitable for damp locations

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

RAB LED luminaires 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 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:

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.

## Dimensions



## 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