

Project:	Туре:
Prepared By:	Date:

# **Technical Specifications**

### **Field Adjustability**

#### Field Adjustable:

Field Adjustable Light Output: 275W with 3 Power Preset: 100% (275W), 75% (206W), and 50% (138W) Color Temperature Selectable: 4000K and 5000K (factory default 4000K)

## Compliance

### UL Listed:

Suitable for damp locations

# IESNA LM-79 & LM-80 Testing:

RAB LED luminaires and LED components have been tested by an independent laboratory in accordance with IESNA LM-79 and LM-80.

## **Trade Agreements Act Compliant:**

This product is a product of Cambodia and a "designated country" end product that complies with the Trade Agreements Act

## **LED Characteristics**

#### LEDs:

Long-life, high-efficacy, discrete, surface-mount LEDs

# **Color Uniformity:**

RAB's range of Correlated Color Temperature follows the guidelines of the American National Standard for Specifications for the Chromaticity of Solid State Lighting (SSL) Products, ANSI C78.377-2017.

### Performance

### Lifespan:

100,000-Hour LED lifespan based on IES LM-80 results and TM-21 calculations

# **Electrical**

# Driver:

100% Power: Constant Current, Class 1, 120-277V, 50/60Hz, 120V: 2.27A, 208V: 1.33A, 208V: 1.15A, 277V: 0.96A

75% Power: Constant Current, Class 1, 120-277V, 50/60Hz, 120V: 1.65A, 208V: 0.99A, 208V: 0.86A, 277V: 0.72A

50% Power: Constant Current, Class 1, 120-277V, 50/60Hz, 120V: 1.10A, 208V: 0.67A, 208V: 0.58A, 277V: 0.50A

## **Dimming Driver:**

Driver includes dimming control wiring for 0-10V dimming systems. Requires separate 0-10V DC dimming circuit. Dims down to 10%.

## THD:

3.24% at 120V, 9.37% at 277V

#### **Power Factor:**

99.4% at 120V, 97.3% at 277V

### **Surge Protection:**

6 kV

### Construction

## **Cold Weather Starting:**

The minimum starting temperature is -20°C (-4°F)

# **Maximum Ambient Temperature:**

Suitable for use in up to 122°F(50°C)

#### Lens:

Polycarbonate lens

#### Reflector:

Polyethylene Terephthalate (PET)

# Housing:

Aluminum

## Finish:

Formulated for high durability and long-lasting color

### Green Technology:

 $\label{thm:mercury} \mbox{Mercury and UV free. RoHS-compliant components.}$ 



# **Technical Specifications (continued)**

### Installation

### Mounting:

Comes standard with V-hooks for chain mounting. Accessories available for pendant and surface mounting (purchased separately).

## Lightcloud

### Input Voltage:

12VDC

## **Operating Frequency:**

50/60Hz

## Input Current @ 12V (mA):

30mA

### **Operating Temperature:**

-40°F to 140°F (-20°C to 60°C)

#### Dimmable:

Yes, when connected to a compatible 0-10V driver

### Max Mounting Height:

50 ft

### **Detection Range:**

50 ft diameter mounted at 50 ft

### Sensor Technology:

Microwave (MVS)

# **Default Setting:**

Uncommissioned State: Motion Sensitivity: High

Brightness when triggered: 100%

Hold time: 1 minute Standby to dim: 20% Standby time: 1 minute When vacant: Off

Commissioned State:

Motion Sensitivity: High

Brightness when triggered: Last on status

Hold time: 20 minutes When vacant: Off

## Sensing Type:

Occupancy or Vacancy

# **Occupied Actions:**

On or On at a Dim Level

## **Vacant Options:**

Off or On at a Dim Level

# **Occupancy Timeout:**

1 minute to 240 minutes

### **Daylight Sensing:**

The sensor will determine to trigger the light(s) on or not based on the daylight threshold level set in the Lightcloud Blue mobile app.

## **Daylight Threshold:**

150 lux to 1500 lux

#### **Environment:**

Suitable for dry, damp, or wet environments in indoor applications

### IP Rating:

IP65

### Other

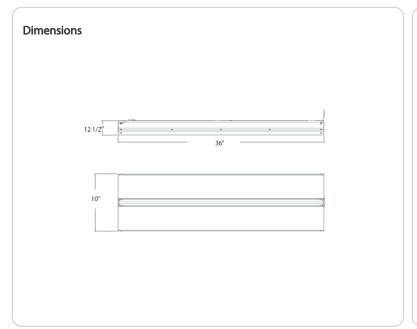
#### 5-Year, No-Compromise Warranty:

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. RAB's warranty is subject to all terms and conditions found at rablighting.com/warranty.

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Need help? Tech help line: **(888) 722-1000** Email: **techsupport@rablighting.com** Website: **www.rablighting.com**Copyright © 2025 RAB Lighting All Rights Reserved Note: Specifications are subject to change at any time without notice





### **Features**

0-10V Dimming, standard

100,000-hour LED lifespan

**DLC Premium listed** 

5-Year, no-compromise warranty

Ordering Matrix						
Family	Wattage (Length)	Color Temp	Driver	Sensor	Battery Backup	
AR	M			/MVS		
	XS = 95/71/48W (1.5') S = 160/120/80W (2') M = 275/206/138W (3') L = 360/270/180W (4')	<b>Blank =</b> 4000/5000K CCT Adjustable	Blank = 120-277V, 0-10V Dimming /480 = 480V, 0-10V Dimming	Blank = None  /MVS = Microwave Occupancy Sensor  /PIR = Passive Infrared Sensor  /LCBS/MVS = Lightcloud Blue Microwave  Occupancy Sensor  /LCBS = Lightcloud Blue Passive Infrared  Sensor	Blank = None /E = Battery Backup	