



Project:	Type:
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:

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.

Dimensions



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')		Blank = 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