



Project:	Type:
Prepared By:	Date:

Driver Info		LED Info	
Type	Constant Current	Watts	32/24/16W
120V	0.26A/0.19A/0.13A	Color Temp	3000/4000/5000K
208V	0.16A/0.12A/0.08A	Color Accuracy	82-84 CRI
240V	0.14A/0.10A/0.07A	L70 Lifespan	100,000 Hours
277V	0.12A/0.09A/0.06A	Lumens	2,020-4,151 lm
Input Watts	14.8-31.2W	Efficacy	123.8-148.5 lm/W

Technical Specifications

Field Adjustability

Field Adjustable:

Field Adjustable Light Output:
32W/24W/16W (factory default: 24W)
Color temperature selectable by 3000K, 4000K and 5000K (factory default: 4000K)

Compliance

UL Listed:

Suitable for wet locations

California Title 24 JA8 Compliant:

No

California Energy Commission (CEC) Status:

Lawful for Sales in California

RoHS:

Mercury and UV free. RoHS-compliant components.

FCC:

Complies with Part 15 of the FCC Rules

Environment:

Suitable for use indoors and outdoors in dry, damp, or wet environments.

IP Rating:

IP66

California Title 20 Compliant:

No

Electrical

Driver:

32W: Constant Current, Class 2, 120-277V, 50/60 Hz, 120V: 0.26A, 208V: 0.16A, 240V: 0.14A, 277V: 0.12A
24W: Constant Current, Class 2, 120-277V, 50/60 Hz, 120V: 0.19A, 208V: 0.12A, 240V: 0.10A, 277V: 0.09A
16W: Constant Current, Class 2, 120-277V, 50/60 Hz, 120V: 0.13A, 208V: 0.08A, 240V: 0.07A, 277V: 0.06A

Dimming Driver:

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

THD:

6.58% at 120V, 11.18% at 277V

Power Factor:

99.5% at 120V, 92.3% at 277V

Photocell:

Integrated photocell included with on/off switch

Surge Protection:

L-L 2 kV; L-G 4 kV

Aux Power Supply:

Yes

Dim to Off:

Yes

Dimmable:

Yes via the Lightcloud Blue mobile app and devices. This product will not operate properly when connected to a standard (incandescent) dimmer or dimming control.

Input Voltage:

12V

Operating Frequency:

50/60Hz

Input Current @ 120V (mA):

30mA

Operating Temperature:

-4°F to 140°F (-20°C to 60°C)

Performance

Lifespan:

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

Technical Specifications (continued)

Product Type:

Low Voltage Controller+Sensor

L70 Lifespan:

50,000-Hour LED lifespan based on IES LM-70 results

Optical

BUG Rating:

32W: B1 U0 G1

24W: B1 U0 G1

16W: B1 U0 G1

LED Characteristics

LEDs:

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

Color Consistency:

7-step MacAdam Ellipse binning to achieve consistent fixture-to-fixture color

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.

Construction

Full Cutoff:

Allows for conformance to the IDA's fully shielding requirement, emitting no light above 90 degrees.

Housing:

Die-cast aluminum

Lens:

Acrylic lens

Reflector:

High reflection polycarbonate

Cold Weather Starting:

The minimum starting temperature is -40°F (-40°C)

Maximum Ambient Temperature:

Suitable for use in up to 104°F (40°C)

Green Technology:

Mercury and UV free. RoHS-compliant components.

Shape:

Round

Effective Projected Area:

0.1

Finish:

Black

Enclosure Material:

Plastic

Installation

Mounting:

Integrated j-box and an optional wall plate included.

Lightcloud

Lightcloud Blue:

Lightcloud Blue is a Bluetooth Mesh wireless lighting control system that allows you to control RAB's various compatible devices. With RAB's patented Rapid Provisioning technology, devices can be quickly and easily commissioned for residential and large commercial applications using the Lightcloud Blue mobile app. Each device in a system can communicate with any other device, eliminating the need for a Gateway or Hub and maximizing the control system's reach.

DLC system - N1XMLOEATBA (Interior);

NHCZ2BIA17L (Exterior)

Learn more at www.lightcloud.com.

Gateway Required:

No

Communication Protocol:

Bluetooth Mesh

Range:

Indoor: Up to 60 feet between standard building materials. Building materials such as brick, concrete, and steel construction may require additional Lightcloud Blue devices to extend around an obstruction; Up to 200 feet clear line of sight.

Outdoor: Up to 60 feet clear line of sight; Up to 18 feet around corners

Spacing Criteria:

Lightcloud Blue devices should be placed within the specified range to communicate within the Bluetooth Mesh network.

Factory Reset:

Method 1: Delete from App

Open the app and access the device settings for the paired device. Be sure that the device is online and select 'Delete'. The device will flash on/off 5 times and return to full brightness.

Method 2: Manual

Power the device off and on 5x consecutively. Do not allow less than 4s to elapse from switching off to on. Do not allow more than 2s to elapse from switching on to off. The device will flash 3x, then reset to 100% brightness at default CCT.

Method 3: Rapid Reset Tool

The Rapid Reset process must be done by a professional electrician qualified by RAB. Reach out to your RAB sales manager to request a Rapid Reset Tool. The tool simply needs to be placed directly on the small Lightcloud Blue logo on the device for 2s or until the lamp/luminaire flashes 3x, then resets to 100% brightness at the default CCT.

Sensor Settings

Sensor Connection Type:

Pogo pin

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: 20 minutes
Standby to dim: 20%
Standby time: 1 minute
When vacant: Off
Daylight: Disabled

Commissioned State:

Once pair, the sensor will default to disabled. Once enabled the following settings apply:
Motion Sensitivity: High
Brightness when triggered: Last on status
Hold time: 20 minutes
Standby to dim: 20%
Standby time: 1 minute
When vacant: Off
Daylight: Disabled

Adjustable Sensor Settings?:

Yes, using the Lightcloud Blue mobile app

Technical Specifications (continued)

Sensing Type:

Occupancy or Vacancy (option to disable or set as an independent sensor)

Occupied Actions:

On or On at a Dim Level

Vacant Actions:

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:

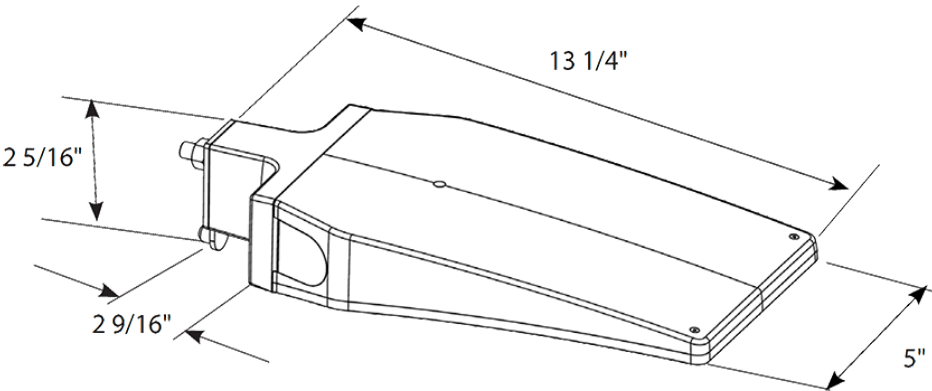
150 lux to 1500 lux

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



Ordering Matrix

Family	Size/Wattage	Color Temp	Finish	Driver	Options
ALED	XS		W		/LCBS/MVS
	XXS = 13/10/6W XS = 32/24/16W Blank = 150/120/100W	Blank = 3000/4000/5000K CCT Adjustable	Blank = Bronze W = White	Blank = 120-277V, 0-10V Dimming	Blank = Integrated Photocell /LCBS/MVS = Lightcloud Blue w/ MVS Sensor