HTG-SYA/480/LCBS/MVS



Color: Bronze

Weight: 10.3 lbs

Project:	**Type:**
Prepared By:	**Date:**

Driver Info

Type	Constant Current
120V	N/A
208V	N/A
240V	N/A
277V	N/A
Input Watts	52.7-81.7W

LED Info

Watts	80/70/60/50W
Color Temp	Amber
Color Accuracy	-21--15 CRI
L70 Lifespan	100,000 Hours
Lumens	3076-3307 lm
Efficacy	39.4-60.1 lm/W

Technical Specifications

Lightcloud

Lightcloud Blue:
Lightcloud Blue, RAB's wireless lighting control system, eliminates the need for a hub or controller. The app shows the fixtures nearest you first, so an area is set up in minutes, even without internet on site. Lights and schedules keep working if the Wi-Fi goes down, and a Nano adds control from anywhere. DLC system: N1XMLOEATBA (Interior); NHCZ2BIA17L (Exterior)
Learn more at rablighting.com/lcb.

Gateway Required:
No

Communication Protocol:
Bluetooth

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 network. Building materials such as brick, concrete, and steel construction or heavy vegetation, bushes or trees may require additional Lightcloud Blue devices to extend around an obstruction.

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.

Performance

Product Type:
Low Voltage Controller+Sensor

L70 Lifespan:
50,000-Hour LED lifespan based on IES LM-70 results

Lifespan:
100,000-Hour LED lifespan based on IESlm-80 results and TM-21 calculations

Electrical

Driver:
Constant Current, Class1, 480V, 50/60 Hz:
80W: 480V: 0.18A
70W: 480V: 0.16A
60W: 480V: 0.14A
50W: 480V: 0.12A

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

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

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Technical Specifications (continued)

Operating Frequency:
50/60Hz

Input Current @ 120V (mA):
30mA

Operating Temperature:
-4°F to 140°F (-20°C to 60°C)

Aux Power Supply:
Yes

Dim to Off:
Yes

Photocell:
Integrated photocell included with on/off switch (factory default: off)

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

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

Field Adjustability

Field Adjustable:
Field Adjustable Light Output:
80/70/60/50W (factory default 80W)
Color Temperature
Amber
Distribution Selectable:
Type III and Type V (factory default Type V)
Photocell Selectable:
Built-in on/off photocell (factory default: off)

Compliance

UL Listed:
Suitable for wet 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.

IP Rating:
Ingress protection rating of IP65 for dust and water

LUNA:
This product has received the Design Lights Consortium's LUNA listing. Designed to meet LUNA 6 requirements.
LUNA Product Code: S-NTG47R

Optical

IES Classification:
Type III/V Distribution Adjustable:
The Type III distribution is ideal for roadway, general parking and other area lighting applications where a larger pool of lighting is required. It is intended to be located near the side of the area, allowing the light to project outward and fill the area.
The Type V distribution produces light in a wide and uniform 360° pattern that is perfect for large outdoor areas such as parking lots, corporate parks and retail settings

LED Characteristics

LEDs:
Long-life, high-efficacy, 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.

Construction

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)

Lens:
Polycarbonate lens

Housing:
Die-cast aluminum

IK Rating:
IK08 Protected against 5 joules of impact. Equivalent to the impact of a 3.75 lbs. (1.7kg) mass dropped from 11.8" (300mm) above the impacted surface.

Effective Projected Area (EPA):
EPA = 0.9

Gaskets:
High-temperature silicone

Green Technology:
Mercury and UV free. RoHS-compliant components.

Installation

Mounting:
Universal pole adapter

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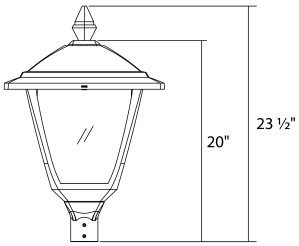
Technical Specifications (continued)

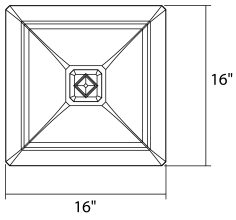
Other

5-Year Limited Warranty:

The RAB 5-year, limited warranty covers light output, driver performance and paint finish. RAB's warranty is subject to all terms and conditions found at rablighting.com/warranty.

Dimensions





Features

- 100,000-hour LED Life
- 0-10V dimming standard
- 5-Year, limited warranty

Ordering Matrix

Family	Shape	Distribution	Size/Wattage	Mounting	Color Temp	Finish	Driver	Controls
HTG	S				YA		/480	/LCBS/MVS
	R = Round **S =** Square	**Blank =** T3/T5	**Blank =** 80/70/60/50W	**Blank =** Pole Mount **P =** Pendant Mount **WM =** Wall Mount	**YA =** Amber	**Blank =** Bronze	**Blank =** 120-277V, 0-10V Dimming **/480 =** 480V, 0-10V Dimming	**Blank =** On/Off Photocell **/7PRS =** 7-Pin Receptacle with Shorting Cap **/MVS =** Microwave Sensor **/LCBS/MVS =** Lightcloud Blue w/MVS Sensor

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