



The Controller is the basic building block of the Lightcloud system. Use it for switching and 0-10V dimming. Deploy it for power management. Or simply use it to extend the range of your Lightcloud mesh network.

Color: Black

Weight: 0.4 lbs

Project:

Type:

Prepared By:

Date:

Technical Specifications

Listings

UL Listed:

Suitable for indoor and outdoor use.

Plenum Rated

Electrical

Dimming Driver:

Driver includes dimming control wiring for 0-10V dimming systems. Requires separate 0-10V DC dimming circuit. Can dim as low as 1%. Actual dimming range is defined by driver.

Input Voltage:

120-277 VAC

Frequencies:

50/60 Hz

Current Draw:

30 mA @ 120VAC

20 mA @ 277VAC

Load Switching Capacity:

120-277VAC: 15A Electronic (LED)

277VAC: 20A Magnetic/Resistive

240VAC: 20FLA/60LRA, 2HP

120VAC: 15A Tungsten, 1HP

Zero-cross switching for reduced inrush current and improved relay contact life

Construction

IP Rating:

Ingress Protection rating of IP66 for dust and water

Operating Temperature Range:

-20°C to 40°C

Storage Temperature Range:

-40°C to 80°C

Maximum Relative Humidity:

85%

Mounting:

Junction box for both indoor or outdoor. Lighting panel, trough or fixture.

Wire Gauge:

4x6 in 12AWG High-voltage pigtails, stripped
2x12 in 22AWG Low-voltage pigtails, 300V insulation, stripped

Wireless Range

Obstructions:

100 feet

Other

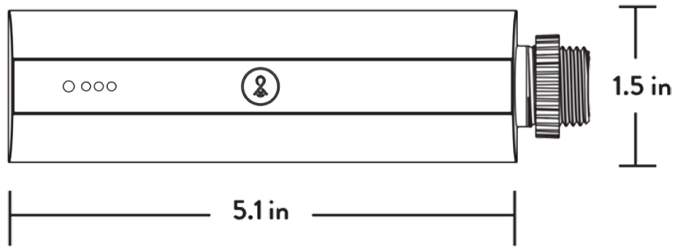
Warranty:

10-year full hardware warranty with 100% repair/replacement coverage for all properly installed devices. [See Lightcloud Warranty Terms.](#)

Buy American Act Compliance:

RAB values USA manufacturing! Upon request, RAB may be able to manufacture this product to be compliant with the Buy American Act (BAA). Please contact customer service to request a quote for the product to be made BAA compliant.

Dimensions



Features

- Easy setup - simply power on, confirm device connectivity and call 844-LIGHTCLOUD
- Cylindrical design for easy installation at threaded junction boxes
- Cloud-based management - no software to install or maintain
- Connects to Lightcloud Gateway and other Lightcloud devices
- Connects via a secure, encrypted, and self-healing 2.4 GHz wireless mesh network
- Repeater Mode to extend range of wireless mesh network
- If power to Controller is lost, notification is shown in the Lightcloud application
- If communication is lost, Controller can fall back to a customizable emergency state