



Color: Matte white

Weight: 0.4 lbs

Project:	Type:
Prepared By:	Date:

Technical Specifications

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
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.

Max # of Devices to Control:

Up to 200 devices

Performance

Description:

The most versatile in-wall dimmer for switching and dimming with or without a connected load.

Application Type:

Single-pole or 3-way

Electrical

Dimming Control Type:

Selectable Phase: Forward/Reverse

Power Rating:

500W

Load Switching Capacity:

LED/CFL: 300W
INC/HAL/ELV: 500W
MLV: 400VA

Multi-gang Derating:

When combining controls in the same wallbox, derating is required.

LED/CFL
Not Ganged: 300W max load
End of Gang: 250W max load
Middle of Gang: 200W max load
INC/HAL/ELV/MLV
Not Ganged: 500W max load
End of Gang: 400W max load
Middle of Gang: 300W max load

Self Calibration:

Via dip switch choose a self calibration option based on the fixtures being controlled:

F - forward phase
A - auto-detect forward/reverse phase
R - reverse phase

Note: after dip switch adjustment, power device off and then power on again.

Power Cut Off Switch:

Push in to connect to line voltage.
Pull out to disconnect to line voltage.
Note: after dip switch adjustment, power device off and then power on again.

Input Voltage:

120V

Technical Specifications (continued)

Operating Frequency:

60 Hz

Operating Temperature:

32°F to 104°F (0°C to 40°C)

Sensor Settings

Sensor Connection Type:

Integrated

Detection Range:

26 ft distance mounted at 4 ft

Sensor Technology:

Passive Infrared (PIR)

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 Sensing: 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 Sensing: Disabled

Adjustable Sensor Settings?:

Yes, using the Lightcloud Blue mobile app

Sensing Type:

Occupancy, Vacancy

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:

Closed loop daylight harvesting with continuous dimming. Specify settings using the Lightcloud Blue mobile app.

Installation

Mounting:

Requires a U.S. wallbox with 2 inch depth (recommended) and a minimum depth of 1.46 inches

Neutral Wire Required:

Optional.

Power usage can only be reported when neutral-wire is connected.

Construction

Shape:

Rectangle

Finish:

Matte White

Enclosure Material:

Plastic

Key Type:

Paddle

Package Includes:

(1) Dimmer

(1) Face plate bracket

(1) Back plate

(2) Mounting screws

(1) Jumper wire

(2) 5-pin wiring terminals

(3) 2-pin wiring terminals

(5) Connection wires

Compliance

Listings:

UL 1472

Environment:

Suitable for use indoors in dry and damp environments.

DLC NLC Listed:

This product is on the Design Lights Consortium (DLC) Network Lighting Controls (NLC) Qualified Products List and is eligible for rebates from DLC Member Utilities.

DLC system - N1XMLOEATBA (Interior);

NHCZ2BIA17L (Exterior)

Certification Model Number:

XDIM/LCBS

California Title 20 Compliant:

No

California Title 24 JA8 Compliant:

No

California Energy Commission (CEC) Status:

Lawful for Sales in California

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.

RoHS:

Mercury and UV free. RoHS-compliant components.

FCC:

Complies with Part 15 of the FCC Rules

Other

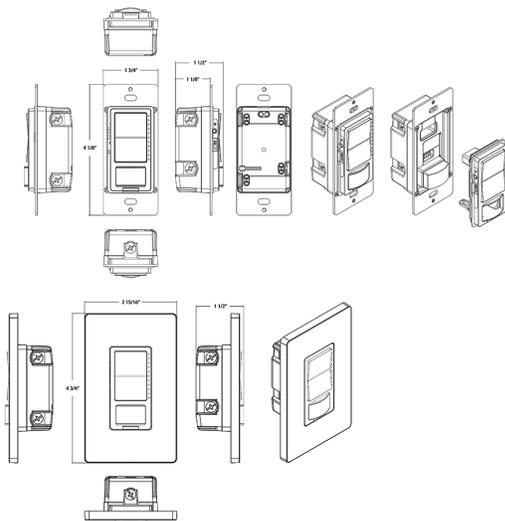
3 Yr Limited Warranty:

RAB warrants that our products will be free from defects in materials for a period of three (3) years from the date of delivery to the end user. RAB's warranty is subject to all terms and conditions found at rablighting.com/warranty

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

- In-wall device for switching and dimming local load (ELV/MLV) and any Lightcloud Blue-enabled device
- Dimming features both fade on/off and rapid full-on
- Set the max trim level for a zone or fixture to save energy
- Connect to the Lightcloud Blue mobile app to wireless control
- Neutral wire connection is optional

Ordering Matrix

Family	Driver	Finish	Options
XDIM			/LCBS

Blank = 120V, Forward/Reverse Phase
/D10 = 120-277V, 0-10V Dimming¹

Blank = White

Blank = Standard
/LCB = Lightcloud Blue
/LCBS = Lightcloud Blue w/PIR Sensor

¹ /D10 model only available with /LCB option