



Color: Matte white

Weight: 0.4 lbs

Project:

Type:

Prepared By:

Date:

Technical Specifications

Lightcloud

Lightcloud Blue:

Lightcloud Blue is a Bluetooth® Mesh lighting control system designed for fast setup and flexibility. Install quickly with no gateways, hubs, or additional control wiring. Start with a single device and easily scale to control entire buildings. Learn more at rablighting.com/lcb.

DLC system - N1XMLOEATBA (Interior);
NHCZ2BIA17L (Exterior)

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.

Status Indicator Light:

Flashing red (1s on/1s off): Device is not provisioned
Solid green: Device is provisioned

Occupied Actions:
On or On at a Dim Level

Performance

Product Type:
Smart Dimmer

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

Application Type:
Single-pole. Combine with multiple Dimmers for wireless control, no traveller wires required.

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:

Intergrated

Max Mounting Height:

4 ft

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 Harvesting: Disabled
Photocell: Disabled

Once paired to the mobile app, the sensor will be disabled. Sensor settings can be configured using the mobile app.

Adjustable Sensor Settings?:

Yes, using the Lightcloud Blue mobile app

Sensing Type:

Occupancy, Vacancy

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. For use in single or multi-gang applications.

Neutral Wire Required:

Optional when connected to a load with non-Lightcloud Blue lights.

Required when using to control Lightcloud Blue lights.

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

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

RoHS:

Mercury and UV free. RoHS-compliant components.

FCC:

Complies with Part 15 of the FCC Rules

Trade Agreements Act Compliant:

This product is a product of Cambodia and a "designated country" end product that complies with the Trade Agreements Act

Other

Compatible Products:

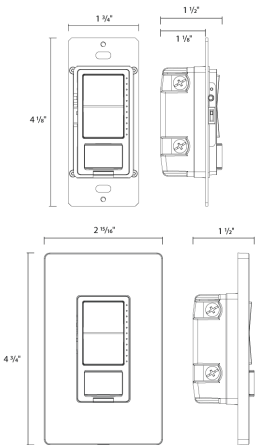
TRIAC/ELV forward/reverse phase dimmable products.

3-Year Limited Warranty:

The RAB 3-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

- 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	Finish	Driver	Options
XDIM			/LCBS
	Blank = Matte White B = Black G = Gray LA = Light Almond	Blank = 120V, Forward/Reverse Phase /D10 = 120-277V, 0-10V Dimming ¹	Blank = Standard /LCB = Lightcloud Blue /LCBS = Lightcloud Blue w/PIR Sensor

¹ /D10 model only available with /LCB option