



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](http://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

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

Operating Frequency:

60 Hz

Operating Temperature:

32°F to 104°F (0°C to 40°C)

Installation

Mounting:

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

Neutral Wire Required:

Optional

## Technical Specifications (continued)

### Performance

#### Application Type:

Single-pole or 3-way

### 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

#### 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

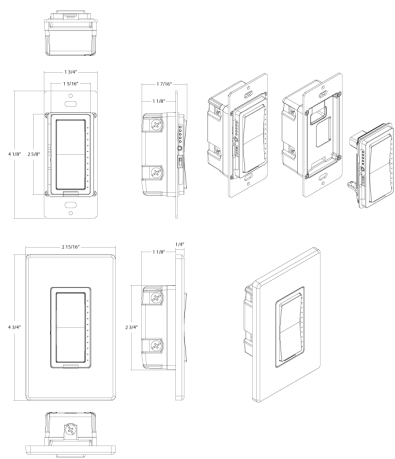
#### 3 Yr Limited Warranty:

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](http://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)
- Dimming features both fade on/off and rapid full-on
- Includes mounting hardware to replace single-gang wall switch
- Neutral wire connection is optional

Ordering Matrix

Family	Driver	Finish	Options
XDIM			
	Blank = 120V, Forward/Reverse Phase /D10 = 120-277V, 0-10V Dimming <sup>1</sup>	Blank = White	Blank = Standard /LCB = Lightcloud Blue /LCBS = Lightcloud Blue w/PIR Sensor
			<sup>1</sup> /D10 modely on available with /LCB option