ZDIM Wireless Dimmer

RAB®

ZDIM/LCB

ZDIM/LCBS

A truly wireless solution with Lightcloud Blue

BLUETOOTH* MESH | DIMMABLE | FCC | RoHS | PIR OCCUPANCY SENSOR | 120-277V

3 YEAR LIMITED WARRANTY

UL CERTIFIED

KEY FEATURES

- In-wall device for switching and dimming any Lightcloud Blue device
- Dimming features both fade on/off and rapid full-on
- Set the paddle to dim up/down or turn lights on/off
- Control up to 600 Lightcloud Blue lights with a single switch
- Neutral wire connection is required

TECHNICAL SPECIFICATIONS

LIGHTCLOUD BLUE FEATURES

Wireless Network Control
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 (Interior); NHCZ2BIA17L (Exterior)
Learn more at www.lightcloud.com

Direct Connect
Use the Lightcloud Blue mobile app to connect to your lights in minutes via Bluetooth Mesh; no Gateway or Hub required.

Mobile App Control
Use the Lightcloud Blue mobile app to configure features for On/Off Control, Dim Level, Color Temperature, Schedules, Scenes, SmartShift and more.

Scalable
Devices within range of each other can communicate within the Bluetooth Mesh network to manage hundreds of thousands of devices per account.

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 600 devices

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TECHNICAL SPECIFICATIONS (CONT.)

CONSTRUCTION

Product Type
Wireless Dimmer

Shape
Rectangular

Housing Material
Plastic

Finish
Matte White

Key Type
Paddle

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.

Base Type
Single-pole or Multi-point control

ELECTRICAL

Dimmable
Wireless

Input Voltage
120-277V

Operating Frequency
60 Hz

Operating Temperature
32 °F to 104 °F (0 °C to 40 °C)

SENSOR SETTINGS *(only applies to /LCBS option)*

Sensor Connection Type
Integrated

Max Mounting Height
4 ft.

Dectection 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 minute
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

SENSOR SETTINGS *(only applies to /LCBS option)*

Standby to dim: 20%
Standby time: 1 minute
When vacant: Off
Daylight Sensing: Disabled

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.

COMPLIANCE

Listing
UL 60730

Environment
Suitable for indoor use in dry and damp environments.

T20 Compliant
No

California Title 24 JA8 Compliant
No

California Energy Commission (CEC) Status
Lawful for Sale in California

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)*

FCC
Complies with Part 15 of the FCC Rules

RoHS
Mercury and UV-free. RoHS-compliant components.

OTHER

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.

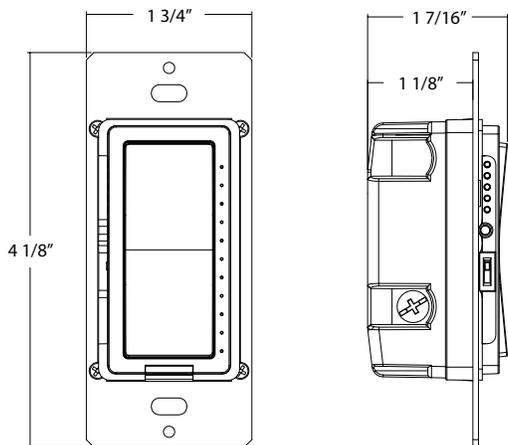Download the Lightcloud Blue app for free to get started!
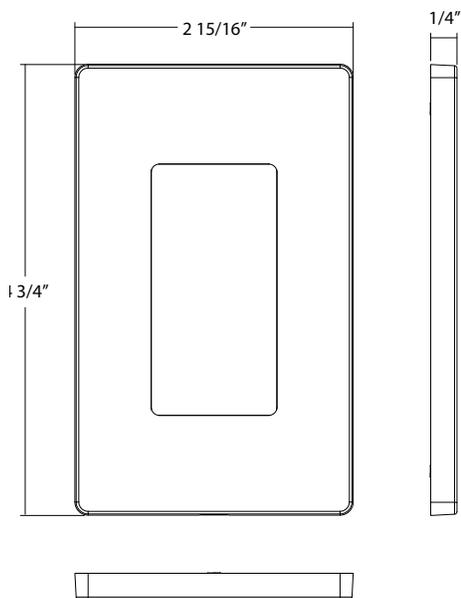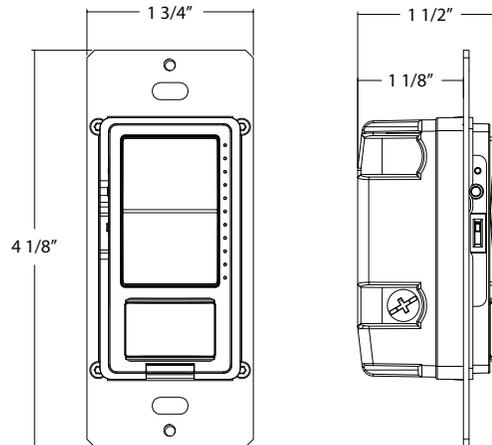
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DIMENSIONS

ZDIM/LCB
Weight: 0.19 lb

1 3/4"
1 7/16"
1 1/8"
4 1/8"

ZDIM/LCBS
Weight: 0.19 lb

1 3/4"
1 1/2"
1 1/8"
4 1/8"

2 15/16"
1/4"
4 3/4"

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RAB

ORDERING INFO

Catalog/Model Number	UPC	Case Pack
ZDIM/LCB	192552044493	24
ZDIM/LCBS	192552044509	24

ORDERING MATRIX

Family	Key Type	Voltage	Color	Options
ZDIM				

Key Type	Voltage	Color	Options
Blank Paddle	**Blank** 120-277V	**Blank** White	**/LCB** Lightcloud Blue
			/LCBS Lightcloud Blue w/PIR Sensor