ZDIM/LCBS

RAB

Color: Matte white   Weight: 0.2 lbs

Project:	Type:
Prepared By:	Date:

Technical Specifications

Lightcloud

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

Factory Reset:
Method 1: Delete from App
Open the app and access the device settings for the paired device. Be sure that the device is online and select 'Delete'.
Method 2: Manual
Press and hold the reset switch until the status indicator blinks red.

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

Performance

Product Type:
Wireless Dimmer

Description :
Wireless in-wall switch for on/off and dimming of any Lightcloud Blue-enabled lights.

Electrical

Dimming Control Type:
Wireless

Load Switching Capactiy:
No load required, for a connected TRIAC/ELV or 0-10V load explore the XDIM family of Lightcloud Blue dimmers.

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:
120-277V

Operating Frequency:
60 Hz

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

Sensor Settings

Sensor Connection Type:
Integrated

Max Mounting Height:
4 ft

Detection Range:
26 ft distance mounted at 4 ft

Sensor Technology:
Passive Infrared (PIR)

RAB

Technical Specifications (continued)

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. For use in single or multi-gang applications.

Application Type:
Single-pole or Multi-point control

Neutral Wire Required:
Yes

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 60730

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:
ZDIM/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
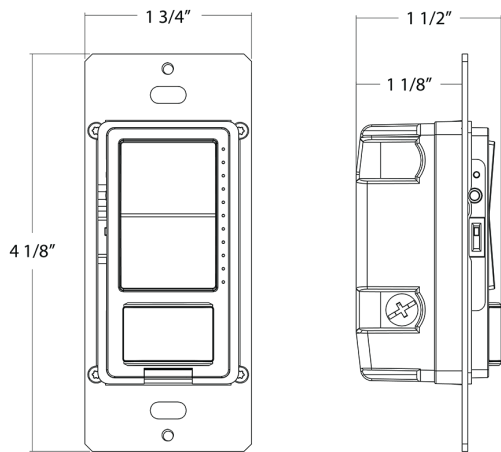
Other

3 Yr 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

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.

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Dimensions

1 3/4"

1 1/2"

1 1/8"

4 1/8"

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-enabled lights with a single switch.

Neutral wire connection is required.

Ordering Matrix

Family	Driver	Finish	Options
ZDIM			/LCBS
	Blank = 120V-277V	**Blank =** Matte White	**/LCB =** Lightcloud Blue **/LCBS =** Lightcloud Blue w/PIR Sensor

Need help? Tech help line: **(888) 722-1000** Email: **sales@rablighting.com** Website: **www.rablighting.com**

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Page 3 of 3