LCBC-X/W

RAB®

Project:	Type:
Prepared By:	Date:

Color: White   Weight: 0.2 lbs

Technical Specifications

Lightcloud

Lightcloud Blue Installed:
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.rablighting.com/feature/new-lightcloud-blue.

Gateway Required:
No

Communication Protocol:
Bluetooth Mesh

Range:
Outdoor: Up to 200 feet clear line of sight; Up to 120 feet around corners

Spacing Criteria:
Lightcloud Blue devices should be placed within the specified range to communicate within the Bluetooth Mesh network.

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'. The device will flash on/off 3x and return to full brightness.

Method 2: Manual
Locate the device identification button at the top of the Controller under the Lightcloud logo. Press and hold this button for 10s or until the indicator light begins flashing red. If the Controller is attached to a fixture, the fixture will also flash on/off 3x.

Device Identification Button:
Located at the top of the controller under the Lightcloud logo.
Once the Controller has been provisioned to the Lightcloud Blue mobile app this button offers the following functionality:
Press once to rapid identify this device in the Lightcloud Blue mobile app
Press twice to toggle circuit on and off
Press twice and hold to set dim level
Press and hold for 10s to reset the device to factory settings and into pairing mode

Electrical

Status Indicator:
The status indicator light is located around the circumference of the top of the Controller.
• Solid Green: connected to a Lightcloud Blue network.
• Blinking Red when unprovisioned

Dimmable:
Yes when connected to a compatible 0-10V fixture or circuit.

This will not operate properly when connected to a standard (incandescent) dimmer or dimming control.

Input Voltage:
120-277V

Operating Frequency:
50/60Hz

Operating Temperature:
-22°F to 140°F (-30°C to 60°C)

Performance

Product Type:
Lightcloud Blue Controller

Technical Specifications (continued)

Description:
Convert any 0-10V fixture or dimming circuit to allow for wireless control. Easily control devices up to 300 feet apart within the Bluetooth mesh network, no need to run additional wire.

Load Switching Capacity:
INDUCTIVE and RESISTIVE LOAD: 16A @ 277V
LED LOAD: 8A @ 120V; 3A @ 277V
MOTOR RATING: 1/2HP@120V , 1HP@240V

Construction

Shape:
Cylinder

Finish:
White

Enclosure Material:
Plastic

Compliance

Listings:
UL Listed

Environment:
Suitable for use indoors and outdoors in dry, damp, or wet environments.

IP Rating:
IP66

IC Rated:
No

Air Tight:
No

DLC NLC Listed:
This system 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)

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

Compatible Products:
Any fixture or group of fixtures that are 0-10V within the rated load switching capacity. This controller is not recommended for 277 3 Phase WYE applications.

Compatible Accessories:
LCLCSENSE/SH
LC & LCB Luminaire standalone PIR sensor

LCLCSENSE/P/EG/A/2
Lightcloud luminaire PIR sensor for EZPAN

LCLCSENSE/M/EG/A
Lightcloud luminaire MVS sensor for EZPAN

LCLCSENSE/M/EG/B
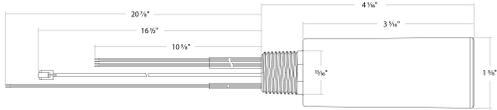Lightcloud luminaire PIR sensor for SWISH

LCLCSENSE/P/EG/B/2
Lightcloud luminaire MVS sensor for SWISH

5-Year, No-Compromise Warranty:
RAB warrants that our LED products will be free from defects in materials and workmanship for a period of five (5) years from the date of delivery to the end user, including coverage of light output, color stability, driver performance and fixture finish. RAB's warranty is subject to all terms and conditions found at rablighting.com/warranty.

Dimensions

Features

Remotely controlled to enable switching and dimming in any compatible 0-10V LED fixture or circuit

Direct connect to the Lightcloud Blue mobile app via Bluetooth; no Gateway or Hub required

For indoor or outdoor applications

Manually control a fixture's on/off and dim level using the single Controller button

5yr no-compromise warranty

Ordering Matrix

Family	Range	Color	Load Switching	Voltage
LCBC	X	/W	Blank	

Range: Blank = Standard, X = Extended

Color: /W = White, /B = Black

Load Switching: Blank = 3.3A, Blank = 16A

Voltage: Blank = 120-277V

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

Copyright © 2026 RAB Lighting All Rights Reserved   Note: Specifications are subject to change at any time without notice

Page 3 of 3