Welcome

Lightcloud®

Commercial Downlight

C830/LCB

WE'RE HERE TO HELP:

1(844) LIGHTCLOUD

1(844) 544-4825

Hello

Lightcloud Blue is a Bluetooth mesh wireless lighting control system that allows you to control RAB's various compatible devices. With RAB's patent-pending 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.

Product Features

Direct Connect, No Gateway or Hub required

Wireless control from your mobile device

On/off and dimming

Tunable White 2700K - 6500K

Group devices together

Create custom scenes

Schedules and automations

SmartShift™ automated circadian schedule

Catalog Number:
C830/LCB

Model Number:
C830/LCB

Electrical:
30W, 2600lm
120-277Vac
60Hz

Construction:
Installation: Direct Wire
Trim Finish: White
Trim Style: Smooth

Safety Information

- Risk of electrical shock. Disconnect power at fuse or circuit breaker before installing or servicing.
- No user serviceable parts inside. To avoid electrical shock do not disassemble product.
- Risk of fire or electric shock. LED Retrofit Kit installation requires knowledge of luminaires electrical systems. If not qualified, do not attempt installation. Contact a qualified electrician.
- Risk of fire or electric shock. Install this kit only in luminaires that have the construction features and dimensions shown in the Figure 9 and where the input rating of the retrofit kit does not exceed the input rating of the luminaire.
- Do not make or alter any open holes in an enclosure of wiring or electrical components during kit installation.
- To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects.
- The retrofit kit is accepted as a component of a luminaire where the suitability of the combination shall be determined by authorities having jurisdiction. Product must be installed by a qualified electrician in accordance with the applicable and appropriate electrical codes. The installation guide does not supercede local or national regulations for electrical installations.
- This device is not intended for use with emergency exits.
- Installers should examine all parts that are not intended to be replaced by the retrofit kit for damage and replace any damaged parts prior to installation of the retrofit kit.
- CAUTION - RISK OF FIRE. CONSULT A QUALIFIED ELECTRICIAN TO ENSURE CORRECT BRANCH CIRCUIT CONDUCTOR.
- Inherently protected
- Can be used on 0-10V dimmers *(visit rablighting.com for full dimmer compatibility list)*

What's in the Box

Downlight (1)

MC Connector (1)

Wire Nuts (5)

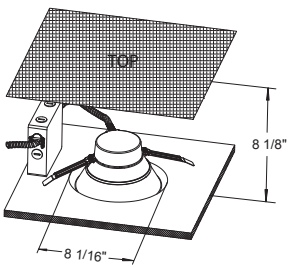
Luminaire Modification Sticker (1)

Hole Cutout Template (1)

Tools Needed

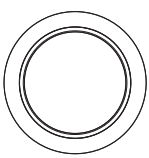
This Lightcloud Blue Commercial Downlight requires very few tools for installation. A screwdriver and a pair of wirecutters will help to install the downlight to a JBox or housing.

Compatible Housing Dimensions



Optional Accessories

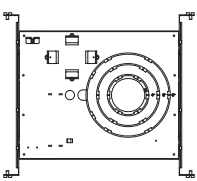
Goof Ring



DL8-10GOOF/R/P/CRLEDFA
For use with 10" ceiling hole applications

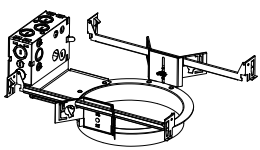
DL8-12GOOF/R/P/CRLEDFA
For use with 12" ceiling hole applications

Plate



DLPLATE/C3468R/NB
Mounting plate with nailer bar

Frame

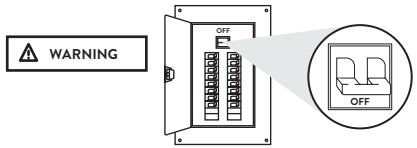


DLFRAME/C8R

Installing Your Lightcloud Blue Device

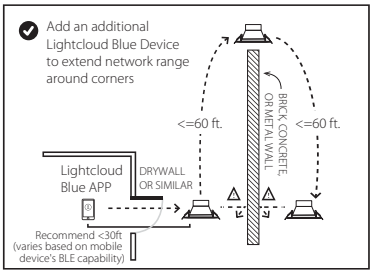
① Turn off power

- Place the wall switch in the off position.
- Turn off the main power at the breaker panel or remove the fuse from the fuse box.



1a Find a suitable location

- Lightcloud Blue devices should be positioned within 60 ft. of each other.
- Building materials such as brick, concrete and steel construction may require additional Lightcloud Blue devices to extend around an obstruction.



② Install the Lightcloud Blue Commercial Downlight

2a With Existing Housing

1. Remove CFL, incandescent or HID lamp. *(Fig.1)*
2. Remove reflector from rough-in (mounting frame). *(Fig.2)*
3. Remove socket assembly from reflector. *(Fig.3)*

Fig: 1

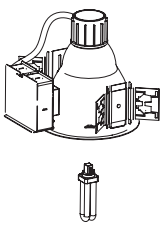


Fig: 2

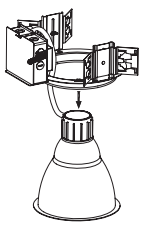
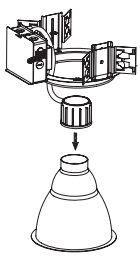


Fig: 3



Installing Your Lightcloud Blue Device *(cont'd)*

4. Remove J-Box metal plate with existing lamp ballast. Do not dispose. Disconnect all wires from the ballast. *(Fig.4)*
5. Remove the existing lamp metal conduit (MC) cable from the J-Box. *(Fig.5)*

Fig: 4

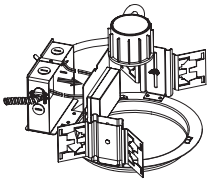
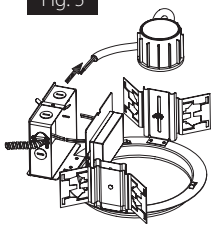


Fig: 5



6. Fasten the LED retrofit kit MC cable to the J-Box with MC connector. *(Fig.6)*
7. Wire nut the ground (*green*) wire in the junction box. Wire nut the black input wire with the black wire from the MC cable, and wire nut the white input wire with the white wire from the MC cable. Wire nut the purple input wire with the purple wire from the MC cable, and wire nut the pink input wire with the pink wire from the cable. If the purple and pink wires are not in use, cap each wire separately with a wire nut. *(Fig.7)*

Fig: 6

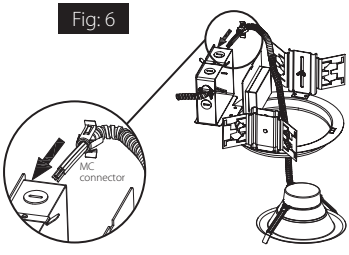
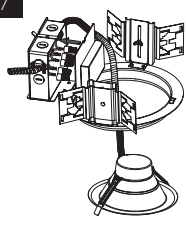


Fig: 7



8. Put back J-Box metal plate (*with lamp ballast still attached to it.*) *(Fig.8)*
9. Install the downlight in the rough-in by lifting both retention tabs upward. Push the downlight until it sits flush against the ceiling. *(Fig.9)*

Fig: 8

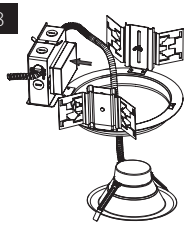
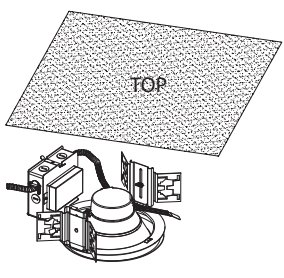


Fig: 9

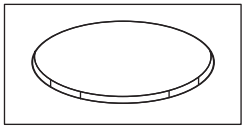


Installing Your Lightcloud Blue Device *(cont'd)*

2b Without Existing Housing

1. Use template inside box to cut hole in ceiling. *(Fig.10)*

Fig: 10



2. Fasten the downlight MC cable to a junction box with MC connector. Wire nut the ground (*green*) wire in the junction box. Wire nut the black input wire with the black wire from the MC cable, and wire nut the white input wire with the white wire from the MC cable. Wire nut the purple input wire with the purple wire from the MC cable, and wire nut the pink input wire with the pink wire from the MC cable. If the purple and pink wires are not in use, cap these with wire nuts. *(Fig.11)*
3. Install junction box cover plate. *(Fig.12)*

Fig: 11

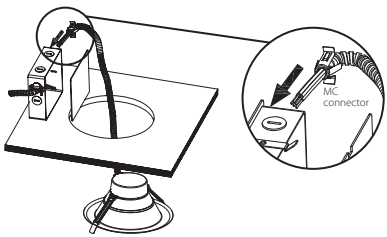
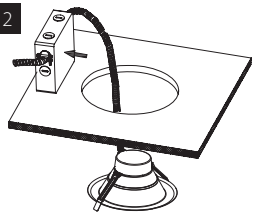


Fig: 12



4. Install the downlight by lifting both retention tabs upward. *(Fig.13)*
5. Push the downlight until it sits flush against the ceiling. *(Fig.14)*

Fig: 13

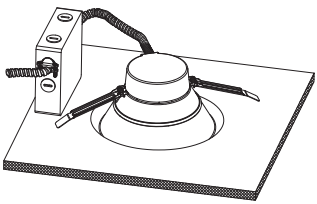
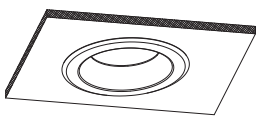


Fig: 14



Controlling Your Lightcloud Blue Device

1. Confirm your device is powered on.
2. Download the Lightcloud Blue app from the Apple® App Store or Google® Play store.

Download on the App Store | GET IT ON Google Play

3. Launch the App and create an account.
4. Tap the "add device" icon in the app to start connecting devices.
5. Select the Retrofit Downlight in the app and move it to an Area with other Lightcloud Blue-enabled lights.
6. You're all set!

Check out the Lightcloud Blue Mobile App User Guide for more information on how to maximize your system

Setting Device to Pairing Mode

If your Lightcloud Blue Commercial Downlight is already paired, you can reset it by using the below methods.

Method 1: Delete from App

Open the app and access the device settings for the paired device. Be sure that the downlight is online and select "Delete".

Method 2: Manual

Power the downlight off and on 5 times consecutively. Do not allow less than 5 seconds to elapse from switch off to on, do not allow more than 2 seconds to elapse from switch on to off. The downlight will flash 3 times, then reset to 100% brightness at default CCT.

Method 3: Rapid Reset Tool

The rapid reset process must be done by professional electricians qualified by RAB. Reach out to your RAB sales manager to request a Rapid Reset Tool. The tool simply needs to be placed directly on the back of downlight for 2 seconds as right picture shows. The downlight will flash 3 times, then reset to 100% brightness at default CCT.

Functionality

Configuration

All configuration of Lightcloud Blue products may be performed using the Lightcloud Blue app.

Emergency default

If communication is lost, the Lightcloud Blue Commercial Downlight may fall back to a specific state, such as turning the Lightcloud Blue Commercial Downlight on.
(Warning: Any wires not in use must be capped off or otherwise insulated.)

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support@lightcloud.com

FCC Information:

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: 1. This device may not cause harmful interference, and 2. This device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense. The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

To comply with the FCC's RF exposure limits for general population / uncontrolled exposure, this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.
CAUTION: Changes or modifications to this equipment not expressly approved by RAB Lighting may void the user's authority to operate this equipment.

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Learn more at **www.rablighting.com**

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RAB®

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