

# Welcome



Lightcloud®

## Retrofit Downlight

SUMO12/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 LED, 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

Sensor compatible

Schedules and automations

SmartShift™ automated circadian schedule

**Catalog Number:**

SUMO12/LCB

**Model Number:**

SUMO12/LCB

**Electrical:**

8W, 650lm

120Vac

50/60Hz

**Construction:**

Base: E26

Size: 4"

Trim Finish: White

Trim Style: Baffle

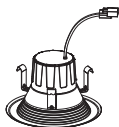
# Safety Information

- Not suitable for use with dimmers and sensors unless specifically designed for RAB Lightcloud Blue downlights.
- 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.

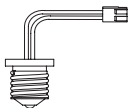
## **Risk of fire or electric shock**

- LED Retrofit Kit installation requires knowledge of luminaires electrical systems. If not qualified, do not attempt installation. Contact a qualified electrician.
- Install this kit only in luminaires that have the construction features and minimum dimensions shown in the Figure 1 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.
- This device is not intended for use with emergency exits.
- This retrofit kit is suitable for wet locations luminaires specified below:  
Type Non IC; Type IC.
- 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.
- 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.

# What's in the box



### Retrofit Downlight (1)



E26 Adaptor (1)



Luminaire  
Sticker (1)



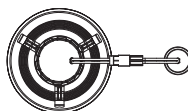
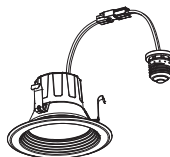
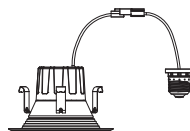
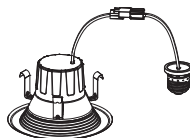
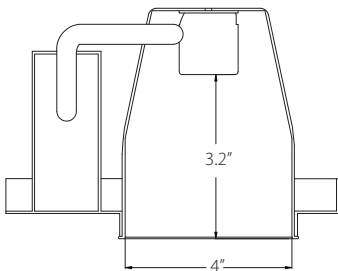
## Installation Guide (1)

## Tools needed

This Lightcloud Blue Retrofit Downlight is designed to fit into a 4" housing. No tools are necessary for installation.

## Compatible Housing Dimensions

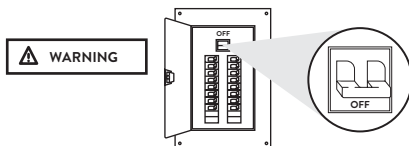
Fig: 1



# Installing your Lightcloud Blue Device

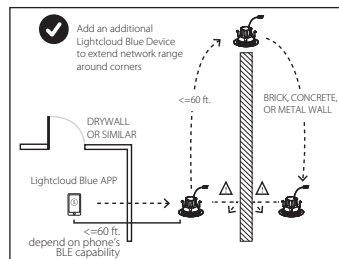
## ① Turn off power

- 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.

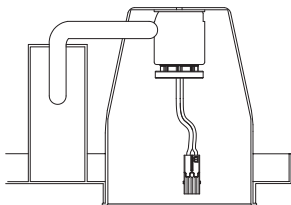


## ② Install the Lightcloud Blue Retrofit Downlight

### 2a Installation with housing

1. Make sure the power is turned off at the source to the recessed housing(s) that you are installing the fixture(s) in. Remove existing trim and CFL, or Incandescent bulbs.
2. Screw the E26 adapter into the socket inside the housing. (Fig.2)

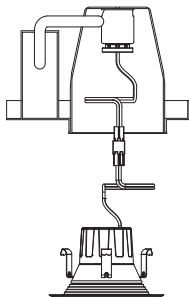
Fig: 2



# Installing your Lightcloud Blue Device *(cont'd)*

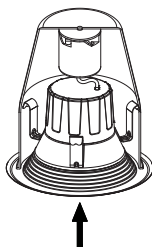
3. Plug E26 base cable connection into the recessed housing. (Fig.3)

Fig: 3



4. Carefully route wires into fixture, simply slide the trim and metal friction clips into the housing. (Fig.4)

Fig: 4



5. Push the LED trim into the housing until flush with ceiling. (Fig.5)

Fig: 5



# 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.



- 3 Launch the app and login or create an account.



- 4 Tap the "add device" icon in the app to start connecting devices.



- 5 Create areas, groups, and scenes to organize and control your devices.

- 6 You're all set!

## Setting Device to Pairing Mode

If your Lightcloud Blue Retrofit Downlight is already paired, you can reset it to factory settings 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".

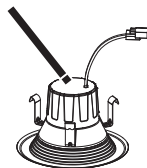
### Method 2: Manual

Power the lamp off and on 5 times consecutively. Do not allow less than 1 second and more than 3 seconds to elapse between switching. The lamp 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 small Lightcloud logo on downlight for 2 seconds. 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 Retrofit Downlight may fall back to a specific state, such as turning the Lightcloud Blue Retrofit Downlight on.

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support@lightcloud.com

[ Warning: Any wires not in use must be capped off or otherwise insulated. ]

### 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](http://www.rablighting.com)

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**RAB®**

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