

# Welcome



Lightcloud®

## SmartShift Starter Kit

LCBA19-10-E26-9TW-SS-NS-2P-1

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

Create custom scenes

Activity Mode

Sensor compatible

Schedules and automations

SmartShift™ automated circadian schedule

Manual control, on/off by clicking Nano button once

Change CCT by double clicking Nano button

Connect to 2.4GHz Wi-Fi Network

Enables smart speaker integration and web-based features



### What's in the box

(2) A19 Tunable White lamps

(1) Lightcloud Blue Nano

(1) Installation guide

# Product Specifications

Catalog Number:

LCBA19-10-E26-9TW-SS-NS-2P-1

Model Number:

LCBA19-10-E26-9TW-SS-NS

Specifications:

10W, 800lm

120Vac, 60Hz

Lamp Base: E26

**Model Number:**

NANO/LCB

**Specifications:**

Voltage: 5V

Amps: 500mA

USB-A

## Safety Information

- Not suitable for use with dimmers and sensors unless specifically designed for RAB Lightcloud Blue Lamps.
- Risk of electric shock.
- Do not use where directly exposed to water.
- Not intended for use with emergency exit fixtures or emergency lights.
- Only install in operating environments between -4°F and 104°F (-20°C to 40°C).
- Only use the control provided with or specified by these instructions to control this lamp. This lamp will not operate properly when connected to a standard (incandescent) dimmer or dimming control.

# Installing your Lightcloud Blue Lamp

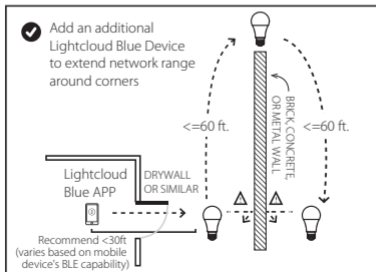
## 1 Turn off power

- 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.



## 2 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.



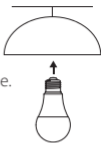
# Installing your Lightcloud Blue Lamp

(cont'd)

## 3 Connect device to power

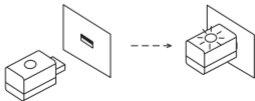
For first time use, the lamp will be ready to pair to the Lightcloud Blue app.

Power on the lamp to enter pairing mode. While pairing, the lamp will flash on/off 5x and then dim and flash on/off 3x to indicate that it has been paired as an Ungrouped Device in the Lightcloud Blue app.



## 4 Plug Nano into power


- The Lightcloud Blue Nano has a standard USB-A plug that can be installed into any USB port, such as a laptop, USB outlet, or power strip.
- The Lightcloud Blue Nano needs to have constant power in order for it to operate as intended.
- Lightcloud Blue Nano requires the Lightcloud Blue app, Lightcloud Blue Devices (*lamps and fixtures*) and connected to a 2.4GHz Wi-Fi network.



# 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 create an account. 
- 4 Tap the "add device" icon in the app to start connecting devices. 
- 5 Open the Nano device settings and connect to a 2.4GHz Wi-Fi network.
- 6 Follow the remaining steps in the app. Create areas, groups, and scenes to organize and control your devices.
- 7 You're all set!

# Setting Device to Pairing Mode

- ① To restore your Lightcloud Blue A19 Tunable White to factory settings, use the following methods.

## Method 1: Delete from App

Open the app and access the device settings for the paired device. Be sure that the lamp 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 lamp for 2 seconds. The lamp will flash 3 times, then reset to 100% brightness at default CCT.



- ② Nano Reset

Press and hold the center button on the Nano for 10s. A flashing red light will appear to indicate the Nano has been reset and then revert to a flashing blue when the Nano is ready to pair.

# Nano Status Indicators



Solid Blue

Nano is paired to the Lightcloud Blue app

Flashing Blue

Nano is ready to be paired to the Lightcloud Blue app



Solid Green

Nano has successfully established a Wi-Fi connection with the 2.4GHz Wi-Fi network.

Flashing Red

Nano has been restored to default factory settings



Flashing Yellow

Nano is trying to establish a connection to a 2.4GHz Wi-Fi network.



# Enabling SmartShift

- 1 In the Lightcloud Blue app, ensure your SmartShift-ready Lightcloud Blue lamps have been paired.
- 2 Ensure your Nano has been paired and is connected to a 2.4GHz Wi-Fi network.
- 3 Create an Area and add your Lightcloud Blue SmartShift Ready lamps to that Area.
- 4 Tap the SmartShift button in the app and ensure that "Use SmartShift" is enabled.
- 5 You're all set!

# 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 lamps may fall back to a specific state, such as turning the Lightcloud Blue lamps on.

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[support@lightcloud.com](mailto: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 device has been tested and found to comply with the limits for Class B digital devices pursuant to Part 15 Subpart B, of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential 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. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try and correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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. 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.

**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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