



Lightcloud is a commercial wireless lighting control system & service. It's powerful and flexible, yet easy to use and install. Learn more at [lightcloud.com](http://lightcloud.com)

**1 (844) LIGHTCLOUD**

1 (844) 544-4825

[support@lightcloud.com](mailto:support@lightcloud.com)

**RAB**<sup>®</sup>  
LIGHTING

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170 Ludlow Avenue Northvale, NJ 07647

Custom manufactured in China

# Welcome



Lightcloud<sup>™</sup>

**Daylight**

LCDAYLIGHT

WE'RE HERE TO HELP:

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# Hello

Lightcloud is a wireless lighting control service. The Lightcloud Daylight is a remote, self-powered, open-loop light sensor that can switch and dim Lightcloud Controllers and other Lightcloud devices.

## **Product Features**

Wireless Sensing & Configuration

Ambient Light Sensor

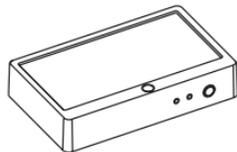
Innovative Self-Powered Design

No Batteries

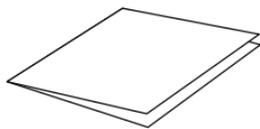
*Patent Pending*

# Contents

Lightcloud Daylight



Instruction Manual



Mounting Screws



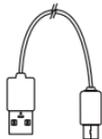
Straight & Angled Mounting Brackets



Power Supply for Setup



USB Cable for Setup



# Specifications

## PART NUMBER

LCDAYLIGHT

## OPERATING TEMPERATURE

-10°C to 40°C

## OPERATING HUMIDITY

10% RH to 95% RH

## OVERALL DIMENSIONS

5.25" x 3.16" x 1"

## USB POWER SPECIFICATIONS

Nominal Input Voltage 100-240VAC

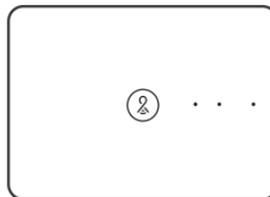
Nominal Input Current 6mA

Nominal Power 0.2W

Frequency 47Hz-63Hz

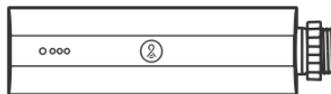
Warranty is active as long as service plan is active.  
Indoor Rated.

# What You Need



## Lightcloud Gateway

A Lightcloud installation requires at least one Lightcloud Gateway to manage your devices.



## Lightcloud Controller

*(Or similar Lightcloud actuation device)*

The Daylight is designed to remotely control one or more Lightcloud devices that are capable of switching or dimming, such as the Lightcloud Controller or Ceiling Sensor.

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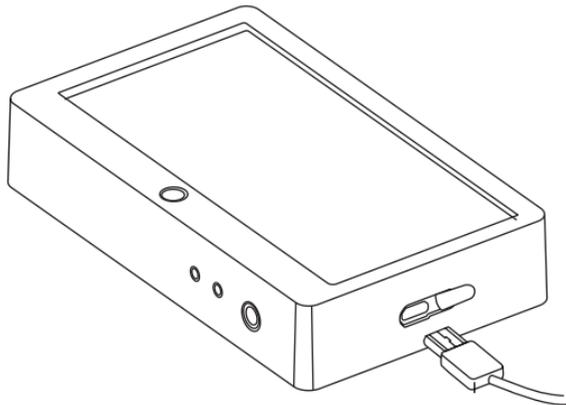
1 (844) 544-4825

support@lightcloud.com

# Setup & Installation

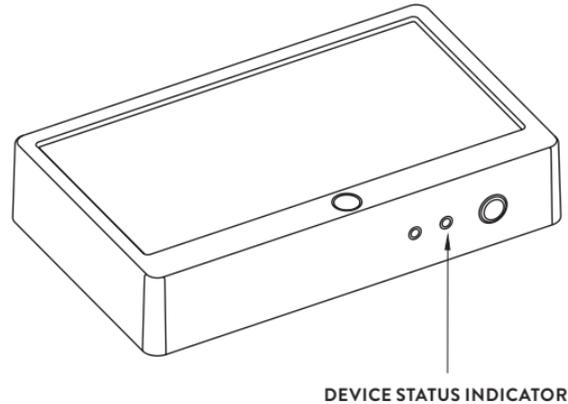
## ① Plug in the Daylight device (setup only)

To join your Daylight to a Lightcloud network, plug it in with the included Micro USB power adapter. The white Power Indicator will come on and the Device Status Indicator will blink red every 10 seconds until it is joined to your network. For setup purposes, you can plug the device in anywhere that's convenient, but please stay near the location where it will be permanently installed in order to ensure continued network connectivity. Once setup has been completed, you can unplug the device and it will operate exclusively on solar power—no batteries necessary.



## ② Contact RAB to add your Daylight

Call us at 1(844) LIGHTCLOUD or email [support@lightcloud.com](mailto:support@lightcloud.com) and we'll get your Daylight device added to your Lightcloud network immediately. When USB power is removed, it is normal for this LED to be unlit.

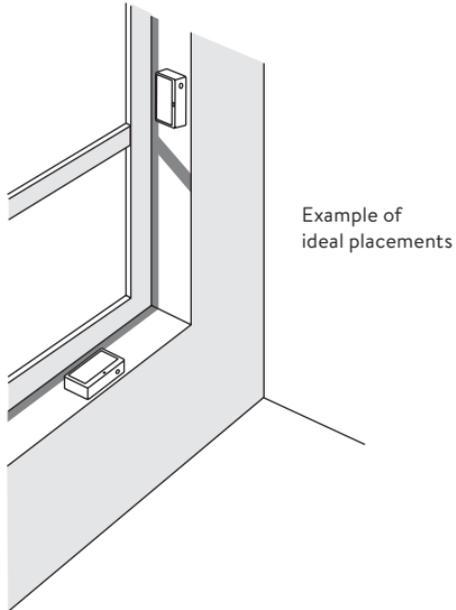


DEVICE STATUS INDICATOR

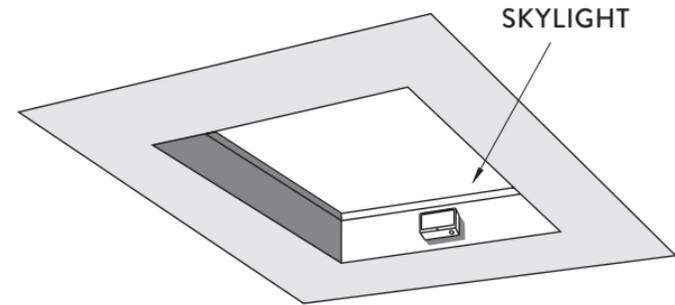
# Setup & Installation (cont'd)

## 3 Find a Suitable Location

- 3a** The Daylight needs sunlight to operate, and must be within range of another Lightcloud device. Direct sunlight is ideal, but indirect sunlight may be acceptable if there's enough of it.



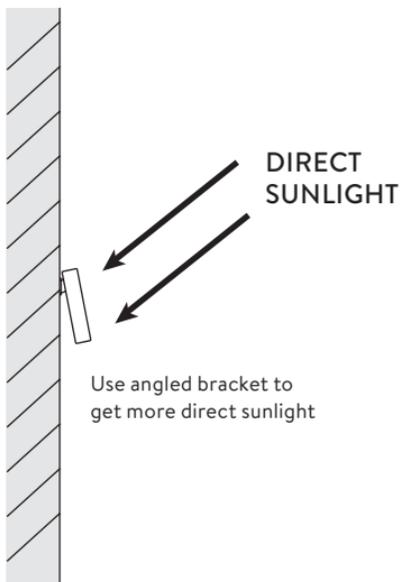
- 3b** A skylight is a great location for the Lightcloud Daylight. Be aware of where shadows will land throughout the day and position the device where it will receive the most direct sunlight.



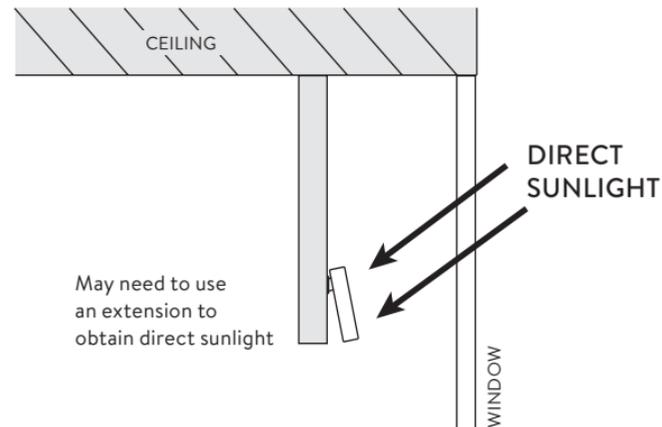
**NOTE:** Remember, south-facing surfaces usually receive more direct sunlight than north-facing surfaces.

# Setup & Installation (cont'd)

- 3c** The Daylight includes an angled mounting bracket that can be used to maximize the amount of sunlight landing on the device's face.



- 3d** In some cases, you may want to use an extension of some kind (not included) to mount the device from the ceiling. Just be sure it ends up in direct sunlight as much as possible.



**The Daylight must be within range of a Lightcloud device or Gateway. See "Finding a Location"**

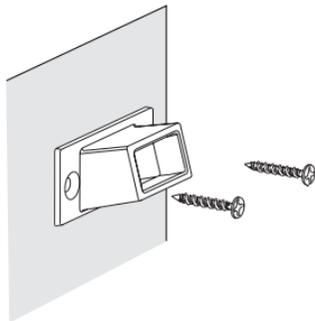


**The Daylight will not act as a "repeater" to extend the range of your Lightcloud network. If you need to extend your network range, use a Lightcloud Controller or other AC-powered device.**

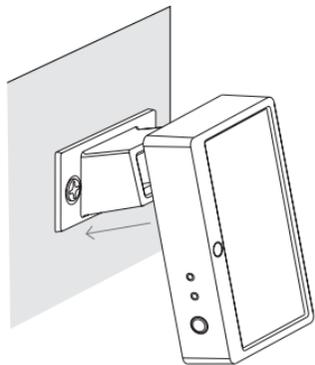
# Setup & Installation (cont'd)

## ④ Install

- 4a** Screw the straight or angled mounting bracket to the mounting surface.



- 4b** Snap the Daylight onto the mounting bracket.



## ⑤ Configure

Login at [lightcloud.com](http://lightcloud.com) and click on Devices to associate a zone at your site. The application will show the last measured light level so you can configure actions to take at different levels. Or, simply call or email us:

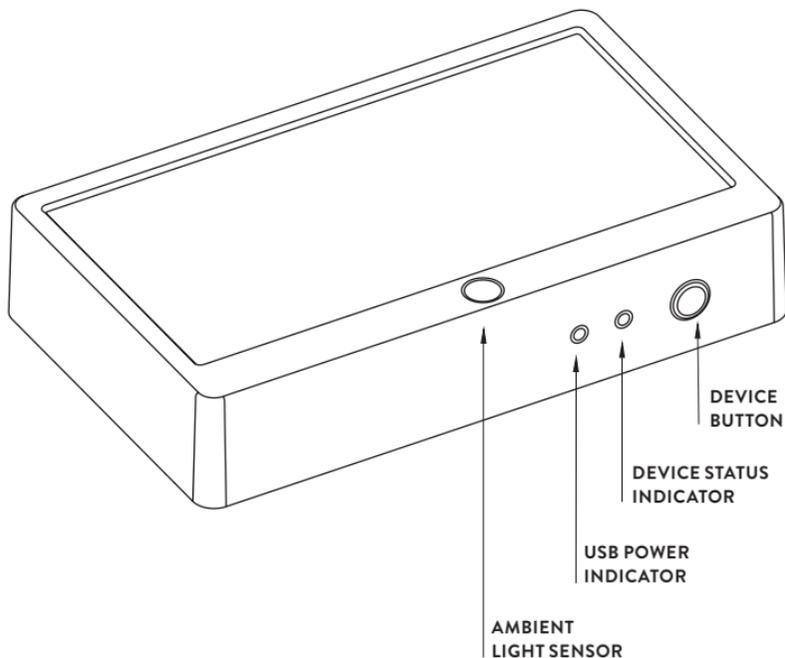
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# Functionality

## Overview



### DEVICE STATUS INDICATOR:

- **Unlit:** When not powered by USB, indicates that the device is joined to a Lightcloud network and is operating normally
- **Solid green:** When powered by USB, indicates that the device is joined to a Lightcloud network
- **Green blink:** After pressing the Device Button, indicates that a light level measurement has been transmitted
- **Single red blink every 10 seconds:** Not joined to a Lightcloud network
- **Green/Red alternating:** Resetting to factory defaults

### USB POWER INDICATOR:

- **White:** Powered by USB

### DEVICE BUTTON:

- **Press:** Indicate in Lightcloud application and measure light level
- **Hold for 10 seconds while USB powered:** Force device to leave current Lightcloud network
- **Hold for 10 seconds while connecting USB power:** Reset to factory defaults and leave current network

# Functionality (cont'd)

## Features

### DAYLIGHT HARVESTING

Daylight Harvesting is the use of daylight to offset the use of electric lighting to light a space. If there's enough daylight in a space, the Lightcloud Daylight can make sure the lights are turned down or off, and turn them back on when the sun goes down.

The Lightcloud Daylight automatically takes light level measurements every 10 minutes. Pressing the Device Button will make an immediate measurement. Call or email RAB, or log in to [lightcloud.com](http://lightcloud.com) to configure actions to take at different light levels, such as turning off a zone when the light level exceeds 50 foot-candles.

### 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 FCC RF exposure limits for general population/uncontrolled exposure, this transmitter must be installed to provide a separation distance of at least 20cm 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, Inc. may void the user's authority to operate this equipment.