Leedarson LED Bulb RGBW

Quick User Guide

Draft	Ver.	Description	Time
Fu	V1.0		2016.1.23

1 Product Introduction

1.1 Basic Information

CONTROL YOUR LIGHTS FROM ANYWHERE in the world from the palm of your hand. The RGBW Retrofit produces beautiful high quality light that you can tune, dim, and control from your smartphone or tablet. Easy to setup, bulbs fit into your standard household sockets - no need for installation by an electrician. A wireless network is required to operate bulbs.

SET LIGHT SCENES: Create rich indirect light scenes in your home in thousands of colors and 2700-6500K white. Schedule to turn on the lights so you don't come home to a dark house. Set automated timers, or program the bulb to gradually increase brightness in the the morning like the sunrise for a more pleasant, natural alarm.

MORE PLEASANT LIGHT: RGBW + Tunable White can make you feel better and more productive-select a natural daylight color for reading and concentration, or a warm white or candlelight when it is time to relax. RGBW capability allows customized light settings from thousands of colors for any ambiance or mood.

SAVE ENERGY: Lightify bulbs use up to 84% less energy than traditional incandescent bulbs and last up to 20,000 hours making them a smart choice for energy conscious homes.

SECURITY: As a Security Enabled Z-Wave Plus Product. The bulb provided confidentiality, authentication and replay attack robustness through AES-128.A Security Enabled Z-Wave controller can used in order to fully utilize the product.

1.2 Special notes for Connected Bulbs

Line Voltage Dimmer

LEEDARSON does not recommended the use of a line voltage dimmer with connected bulbs.The reason is that each connected bulb contains a radio and by reducing,or removing,power through a line voltage dimmer may cause the connected bulb to not function properly.

For dimming, LEEDARSON recommends using a compatible App (i.e., LEEDARSON'S LDS App)or a compatible wireless switch that uses the same wireless protocol as the bulb.

1.3 Devices Inclusion and Exclusion

If your switch or fixture is OFF,or is turned OFF, then control and communication from the App, or wireless switch, to the LED Bulb is lost.
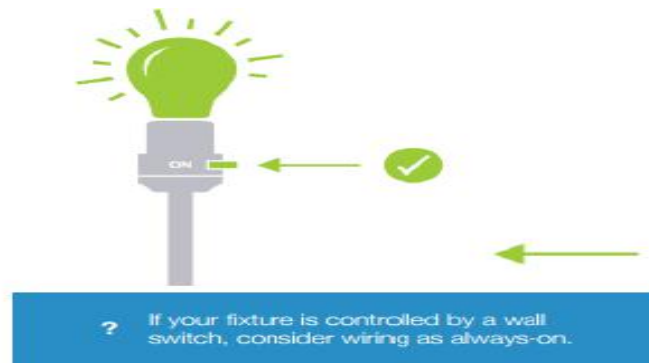
Inclusion Procedure

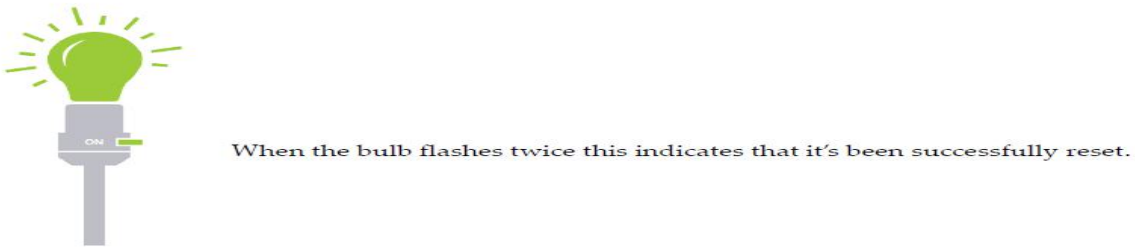The following are the general procedures for the Z-Wave bulb to be "included/excluded "into the network:

1. Screw the RGBW bulb into a standard E27 socket.

2. Turn on the bulb with your wall switch to apply power to the bulb.

a) If you're not using a wall switch, then use your alternate method to apply power to the bulb.

3. Activate the "included/excluded"mode on your Z-wave controller or gateway.

a) This may also be done through your associated app,if your ecosystem has that capability.

4. Toggle the wall-switch, from OFF, then to ON.

a) Or use your alternate method to toggle power from OFF, then to ON.

5. The LED bulb will flash once if it has been successfully "included/excluded"into your Z-Wave network.

Note: If you are using 3rdpartyZ-Wave Controller or Gateway, please refer to 3rdParty's instruction on how to add a new devices to your network.

Note 2: If the bulb will not join the network after repeated attempts, please use the Factory Reset procedures to clear the bulb's settings.

1.4 Factory Reset Procedure

Physically switch the bulb on and off six (6) times for intervals of 0.5-2seconds. After the 6th time, the bulb will flash twice indicating that it's successfully reset. A factory default is performed when the bulb is excluded from the Z-Wave network.
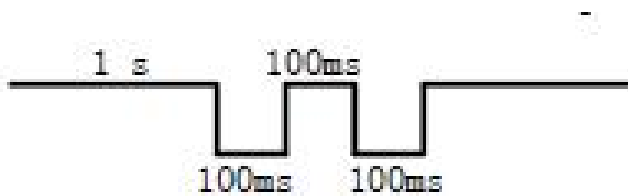
1st   2nd   6th

OFF   ON ⟶ OFF ⟶ ON ⟶ ... ⟶ ON

0.5-2 sec.   0.5-2 sec.

When the bulb flashes twice this indicates that it's been successfully reset.

1.5 Behaviors of the bulb

This bulb has some behaviors to indicate users the status of the bulb.

1.6 Factory Reset mode

The bulb will flash twice when it is powered on in reset mode or factory mode.

1 s   100ms

100ms   100ms
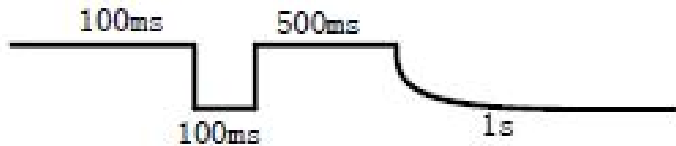
1.7 Add for inclusion

The A19 bulb will flash once when it has been included into the network.

100ms
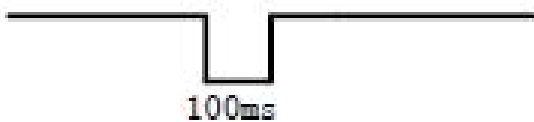
1.8 Remove for exclusion

The A19 bulb will flash once and then dim to 5% when it has been excluded outside the network. If you want the bulb to be re-included, you need re-power the bulb, and then execute the inclusion

process.

1.9 Technical Pa*rameter*

Protocol	Z-Wave
Frequency	908.42MHz
Communication Distance	40m(LOS)
Modulation Mode	FSK(BFSK/GFSK)
Power(W)	9.5
Voltage(V)	120
CCT(K)	2700-6500
CRI	80
Beam Angle	240
Dimensions(mm)	120*60

FCC STATEMENT
1. 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.
(2) This device must accept any interference received, including interference that may cause undesired operation.
2. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
3.NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, 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 to 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
- This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter.