



Leona[®] RGB Smart RGB Eave Lighting Kit

LEO-PXL-RGB-UE-B-KIT

RoHS 



Features

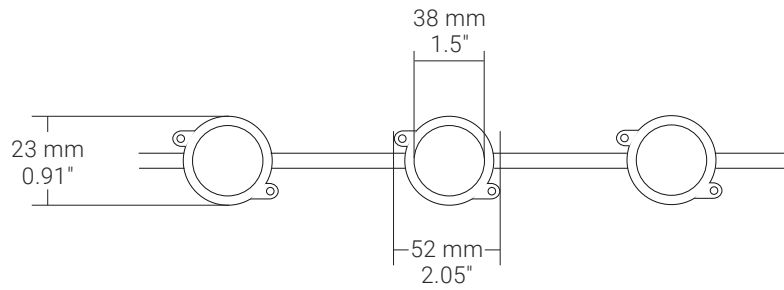
- **Sleek & Bright:** Stylish round design with a wide beam angle, high-brightness LEDs, and 16 million colors.
- **Smart App & Voice Control:** Fast Wi-Fi + Bluetooth pairing. Works with Alexa and Google Assistant.
- **Custom Scenes & Sync:** Adjustable brightness, dynamic lighting modes, music sync, timers, and memory functions.
- **Weatherproof & Durable:** Fully sealed IP67-rated housing built for all-weather outdoor use.
Quick Installation: Lightweight design mounts easily on almost any surface.

Specifications

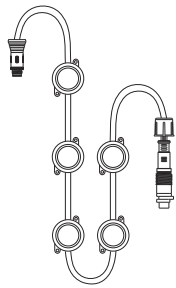
Power Supply Specs	
Power Supply Input Voltage	100-240V AC 50/60Hz
Power Supply Output Voltage	24V DC
Power Supply Output Wattage	24W
Power Supply IP Rating	IP20: Indoor, Dry Location
Control Specs	
Control Protocol	SPI
Control Signal Type	Wi-Fi/Bluetooth
Control Operating Frequency	2.4 GHz
LED Specs	
Light Output	RGB Digital Lighting
Number of LEDs	36 Modules
LED Length	50 ft (15 m)
LED Wattage	22.5W
LED Beam Angle	90°
LED Ambient Temperature	-20° C to 40° C (-4° F to 104° F)
LED Operating Temperature	-20° C to 40° C (-4° F to 104° F)
LED IP Rating	IP67: Outdoor, Wet Location
Dimmable	Yes
Remote Control	
Remote Control Distance	32 ft (10 m)
Remote Batteries	2 x AAA



Mechanical Drawing



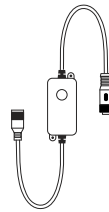
Component Check



Eave Lights



Power Supply



Controller

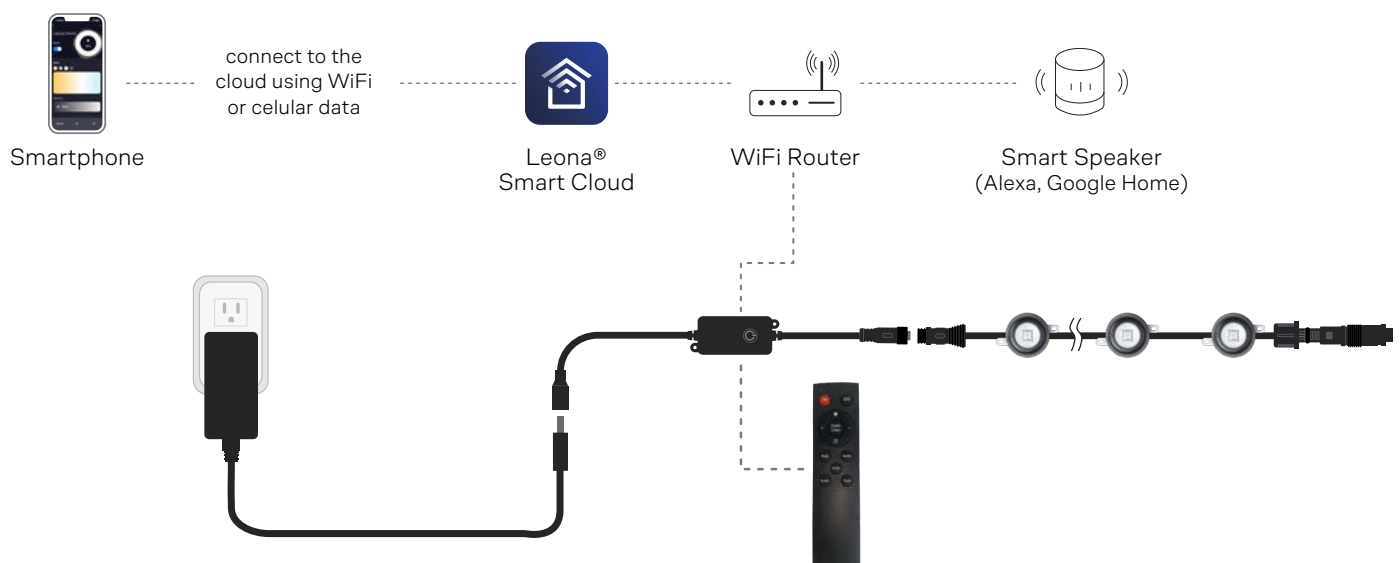


Remote Control



Mounting Screws
& Anchors

Wiring Diagram



— Wired Connection
 ---- Wireless Connection

Installation Instructions

IMPORTANT: Please ensure that any portion of the product not yet secured is properly supported throughout the installation process. Failure to do so may cause the product's weight to damage or break individual modules.

1. Complete a Mock Installation

Before installing or modifying the modules, test all your components. Connect your eave lights to your power supply and controller, then turn them on to ensure everything works properly. Determine where you want to install the lights. We recommend placing the modules 2 to 4 inches (5 to 10 cm) away from the nearest wall or corner.

2. Prepare the Surface for Installation

Thoroughly clean and dry the surface before installing your eave lights, especially if you are using the adhesive backing to mount the lights. They will not stick to dirty or dusty surfaces.

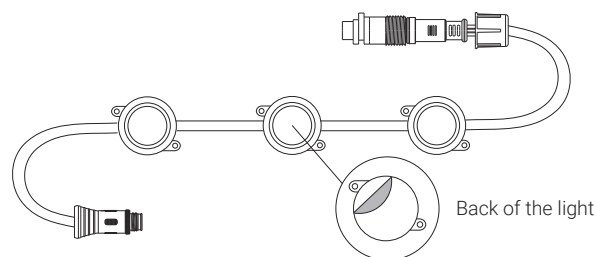
3. Install the Eave Lights

You can install the eave lights in two ways: using the double-sided adhesive tape on the back of each module, or using screws.

a. Using the Adhesive Tape

Recommended for temporary installs or smooth surfaces such as glass, metal, and other non-porous surfaces.

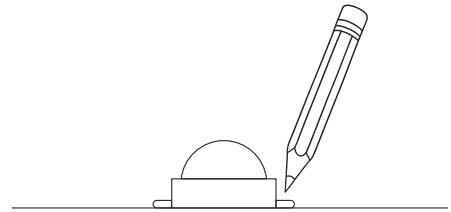
1. Remove the adhesive tape cover, then press the module firmly against the surface for at least 5 seconds to ensure full adhesion.
2. Repeat for every module.



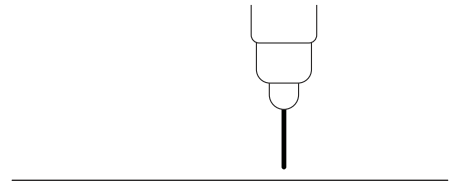
b. Using Screws

Recommended for permanent installs and for porous or irregular surfaces.

1. Hold the module in place to mark the position of the screws.



2. Remove the module, then drill holes in the surface.



3. Hold the module against the surface and secure it using screws.



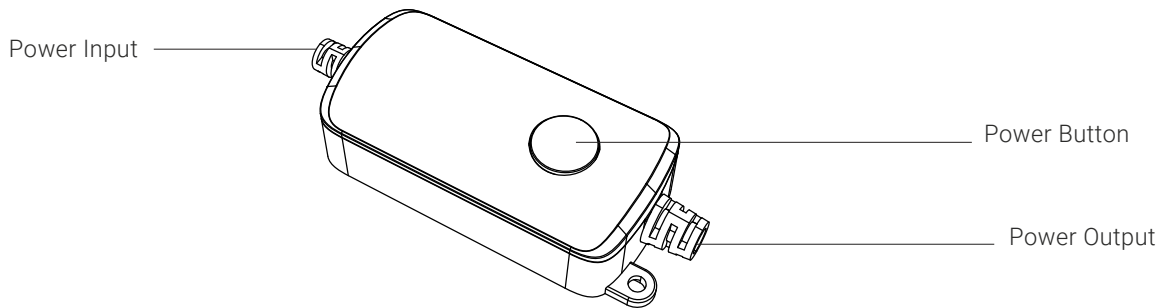
4. Repeat for every module.

Combine both methods for additional installation support.

4. Connect to Power

Securely attach the waterproof connector and tighten the screw caps to complete the installation.

Controller Functions



Power Button Functions:

- Press once to turn the lights on and switch modes.
- Double-press to turn the lights off.
- Press and hold for more than 5 seconds to reset.

Remote Functions

1. Connect all components and apply power to the lights.
2. Simultaneously press and hold the buttons "Multi" and "Random" for at least 5 seconds. Pair the remote within 30 seconds of turning the lights on.
3. Once the lights start flashing, the remote has been paired successfully.



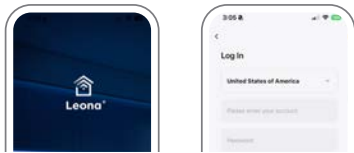
Connect to the Leona® Smart App



1. Search "Leona Smart" on the App Store or Google Play, or scan the QR code on the label or user manual to **download the Leona® Smart app**.

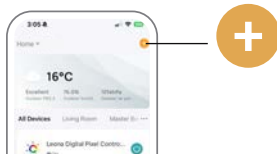


2. **Connect to Wi-Fi 2.4GHz and enable Bluetooth to ensure quick pairing.** Note: Leona® Smart products are not compatible with 5GHz Wi-Fi signals.

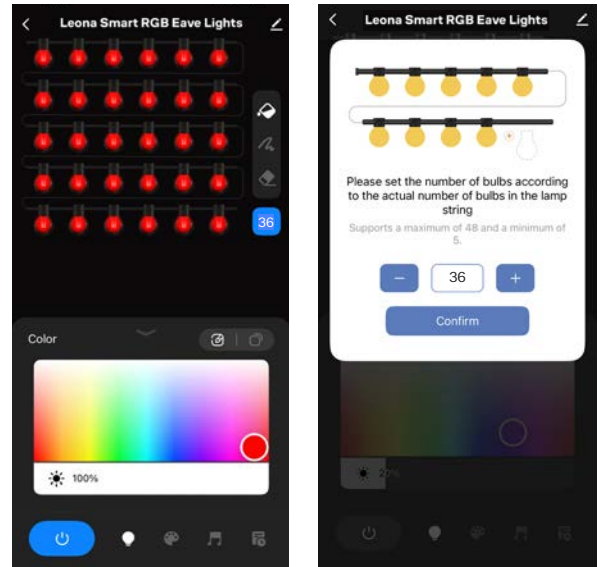


3. Open the Leona® Smart app and either **sign up** for a new account or **log in** if you already have one.

4. **Apply power** to your Leona® RGB Eave Lighting Kit. The lights should start flashing, indicating that they have automatically entered pairing mode.



5. On the app's home page, **tap "Add devices"** and select "Leona RGB Eave Lights", then follow the on-screen steps to complete the pairing process before the lights stop flashing. If they don't flash after you apply power, press and hold the button on the controller for more than 5 seconds to reset the system and retry pairing.



6. For first-time use, configure the number of LEDs you will use on your eave lights, from 5 to 48. Please note that this



7. Once pairing is complete, you can sync your Leona® RGB Eave Lights with Google Home and Amazon Alexa. The Leona® Smart app also offers a variety of functions, including dimming, scene control, timers, account sharing, and more.

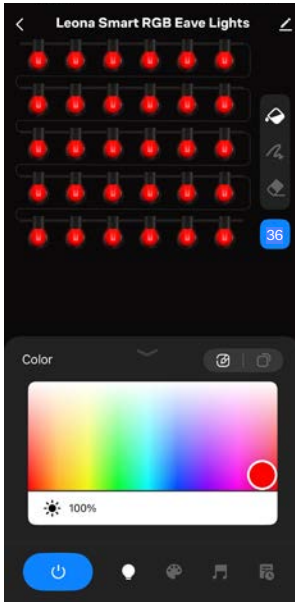
Voice Command Integration

Follow these steps to link your account:

1. Download the Amazon Alexa or Google Home app and log in to your account.
2. In the Leona® Smart app, navigate to the "Me" tab on the home screen.
3. Tap on the Alexa or Google Assistant icon under "Service Center".
4. Tap on "Link" to authorize the connection.

Leona® Smart App Functions

Light Control: Choose from hundreds of static-color options.



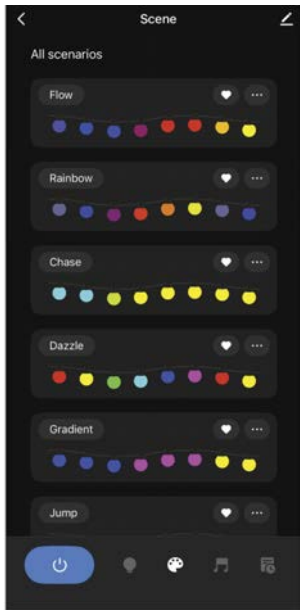
Color Fill: Change the color of the entire length of LEDs.

Color Pen: Change the color of a single LED.

Eraser: Turn off the color of a single LED.

Brightness Slider: Adjust the intensity of your eave lights.

Scene Control: Configure dynamic modes and patterns.

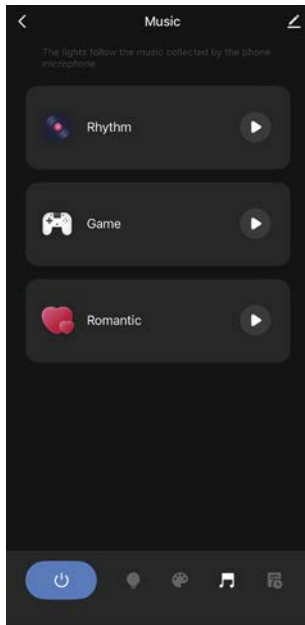


Choose between 8 pre-programmed dynamic modes:

1. Flow
2. Rainbow
3. Chase
4. Dazzle
5. Gradient
6. Jump
7. Pulse
8. Blink

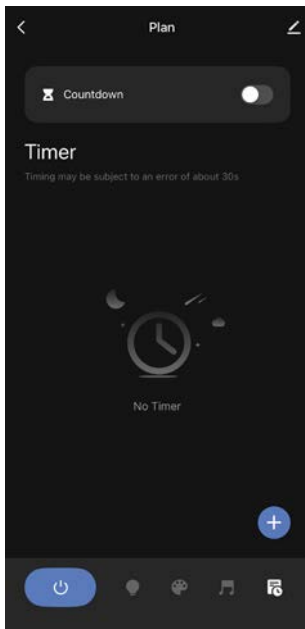
Edit each scene by selecting the three dots to change the scene name, light colors, brightness, speed, and direction.

Music Rhythm: Sync your eave lights to sound.



Enjoy this feature by choosing from the available options. The lights will follow the rhythm using your smartphone's microphone.

Schedules: Set timers and countdowns.



- **Countdown Timer:** Turn off your lights after a set amount of time.
- **Schedule:** Turn on/off your lights at a specific day and time. The lights will turn on using their last configuration.

Troubleshooting

If you are having issues pairing the device, turn the lights on and off three times, this will manually set the lights to pairing mode.

Safety & Disclosures

1. Do not exceed the maximum run length of 40 modules in a continuous daisy-chain run. Each kit includes 36 modules and a 24W power supply designed for those 36 modules. If you extend the run beyond 36 modules, you'll need additional modules and a higher-wattage power supply that can provide enough power for the extended run.
2. Installation must comply with local and national electrical codes.
3. Do not install in an environment with excessive heat.
4. Do not install within 5 feet of a swimming pool, spa, or fountain.
5. Do not step on or place excessive pressure on the LED surface or any other component included in the kit.
6. Do not cover the light or allow it to come into contact with materials that could pose a fire hazard.
7. Keep products away from corrosive materials, including saltwater, chlorine, and bromine.
8. Do not modify the product beyond the instructions, or the warranty will be void.

Safety & Disclosures

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.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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 on and off, 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 to 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 equipment should be installed and operated with a minimum distance of 20 cm between the radiator and your body.

