Lumary

USER MANUAL

Lumary Permanent Outdoor Light 3

Important Safety Instructions

Topic	Direction
Outdoor waterproof use	This product is designed for outdoor use. Do not use it for underwater lighting or long-term immersion.
Power adapter	Use only the power adapter provided with this product. Do not use third-party adapters or external dimmers.
Installation safety	Disconnect power before installation, cutting, extension, or wiring work.
Waterproof connectors	Make sure all waterproof caps, washers, and end caps are fully tightened before use.
Children	Do not allow children to assemble or install this product.
Heat and hazard sources	Do not install near major heat sources, flames, or other hazardous environments.
Mounting security	For long-term outdoor use, secure the lights with adhesive backing and mounting clips or screws.

Important Reminder:
Always test the full lighting system before final installation. Once the lights are mounted, troubleshooting or repositioning may be more difficult.

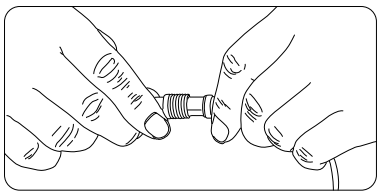
BEFORE YOU INSTALL

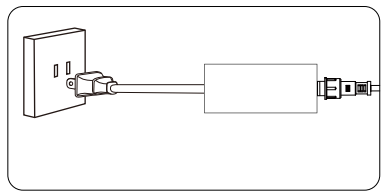
Installation Checklist:

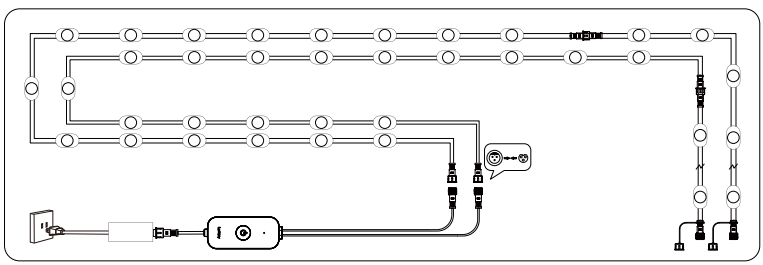
- Confirm the installation path, such as along eaves, garage edges, porches, patios, side walls, or rooflines.
- Measure the total length and check whether extension cords, splitters, or power injection accessories are needed.
- Confirm the location of the power outlet and controller.
- Make sure the Wi-Fi signal is available near the controller.
- Connect all light sections on the ground and power them on for a full test.
- Check that every light turns on before mounting.
- Set the correct number of lights, segments, or channels in the Lumary App if required.
- Clean the mounting surface and make sure it is smooth, dry, and dust-free.

STEP 1: Test Before Installation

- Connect all light string sections in sequence.
- Plug in the power adapter.
- Check that all lights work properly. Make sure all light sections are connected before powering on. Otherwise, the lights may not turn on. If some lights do not light up, set the correct number of lights in the app first.

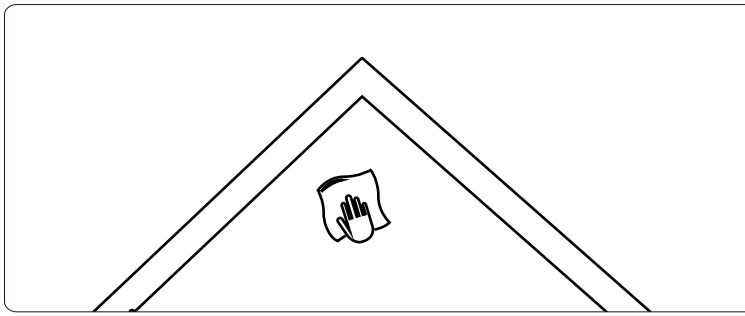






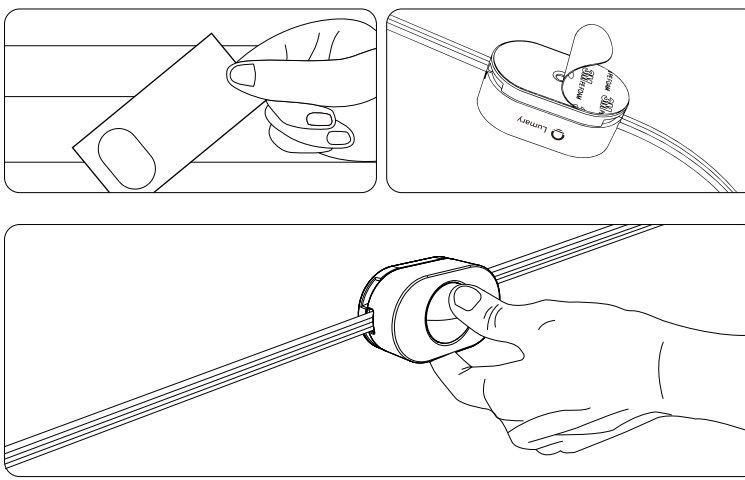
STEP 2: Prepare the Mounting Surface

- Wipe the mounting surface with a dry cloth or an alcohol wipe.
- Make sure the surface is clean and completely dry. Dirty or wet surfaces may reduce adhesive strength.



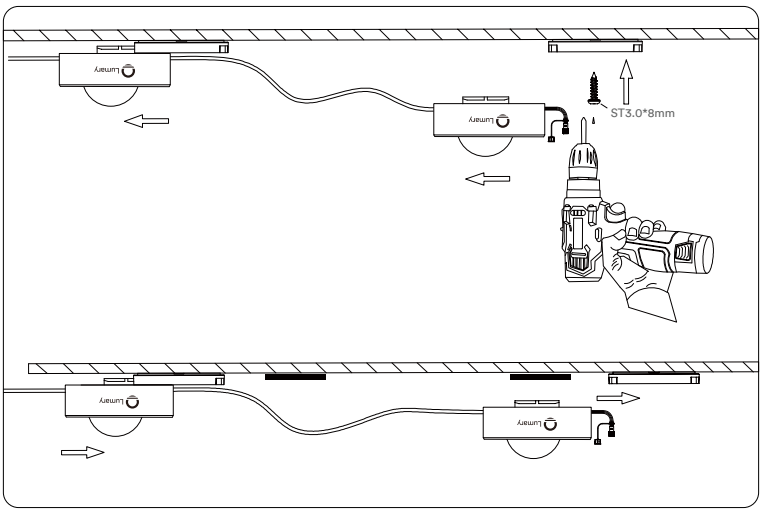
STEP 3: Install the Eave Lights

- Use the mounting position card to mark the correct installation position.
- Keep the lights 2-4inch away from the wall for the best lighting effect.
- Remove the adhesive backing and press each light base firmly for at least 5 seconds. Incorrect spacing may affect the mounting angle and final appearance.



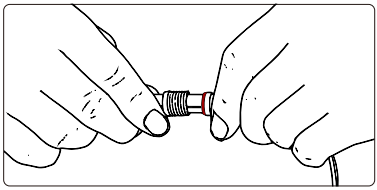
STEP 4: Secure with Screws

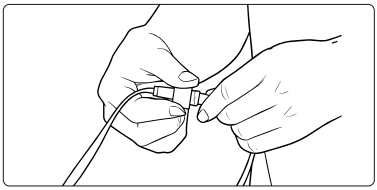
- Slide the light head horizontally out of the mounting base. Each base is designed with screw holes. Secure the base directly to the mounting surface with screws.
- Align the slot of the light head with the guide rail on the base, then slide it into place. Repeat the process to install all lights in order.



STEP 5: Connect Waterproof Plugs

- Insert the red washer before connecting
- Align plugs and tighten waterproof caps securely
- If you need to trim any extra lights at the end of the string, seal the cut end with the end cap to help prevent water ingress. Make sure the red washer is in place. For details, refer to the End Cap section.





STEP 6: Pairing Your Device with the Lumary App

Download on the App Store

GET IT ON Google Play

Note: Please select your region and country.

- Download the "Lumary" App from the App Store or Google Play.
- Turn on your smartphone's Bluetooth. Open the app, tap the "+" icon in the top right corner, and add the device.
- Tap the device icon and follow the on-screen insructions to complete pairing
- After pairing, set the correct number of lights, segment quantity, output channel, or installation direction if required.

Important App Reminder:

- If the number of lights or segments is set incorrectly in the app, scenes may appear incomplete, reversed, out of sync, or partially displayed.

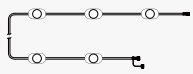
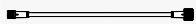
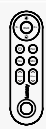
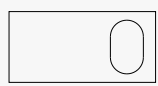
PRODUCT SPECIFICATIONS

Model	PO3A	PO3B	PO3C	PO3D
Power Input (Adapter)	100-240VAC, 50/60Hz			
Power Input (Light String)	DC 36V 1.33A	DC 36V 2A	DC 36V 2.66A	DC 36V 4A
Length	100ft	150ft	200ft	300ft
Number of Lights	60	90	120	180
Waterproof	String Light: IP67 Control Box: IP65 Adapter: 60/90/LED-IP44 120/180LED-IP65			
Color Temperature	RGBCW (2200K-6500K)			
Operating Temperature	-20°C-45°C/(-4°F - 113°F)			

Package Contents by Model

Model	PO3A	PO3B	PO3C	PO3D
Power Adapter	1	1	1	1
String Lights	4	6	8	12
Controller	1	1	1	1
4ft Light String Extension Cord	1	1	1	1
11.8ft Light String Extension Cord	1	1	1	1
Wire Cilp&Screw	30	45	60	90
Remote Controller	1	1	1	1
End Cap	2	2	2	2
Mounting Position Card	1	1	1	1
Additional Mounting Bases with Adhesive Backing	5	5	5	5

COMPONENT OVERVIEW

Component		Description
String Lights		Modular LED light string sections with 15 LEDs per section. Each section connects via waterproof connectors.
Controller		Controls power, reset, pairing mode, and basic local lighting functions.
Power Adapter		Provides power for the light system. Use only the original power adapter for safety and performance.
Extension Cord		Helps route the lighting system across corners, garage gaps, doors, windows, or longer distances.
Mounting Clips / Screws		Secure the lights for long-term outdoor use and help prevent them from falling.
Remote Controller		Quickly control basic lighting functions and favorite effects without opening the Lumary App.
End Cap		Seals the trimmed end of the last string section after cutting, preventing water ingress.
Mounting Position Card		Helps maintain the recommended installation distance for better lighting effects.

OPTIONAL ACCESSORIES AVAILABLE (NOT INCLUDED)

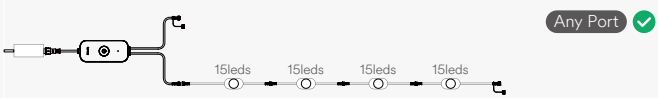
Waterproof Wire Connector	Used when the eave light string is trimmed or extended and the cut end needs to be reconnected with waterproof protection. trimming off the excess beads. When the eaves light string is cut and needs to be reconnected.
Wire Cover	Used to cover exposed wires after installation for a cleaner appearance and added protection. When there are many animals and accidental damage needs to be prevented.
Mounting Board	This accessory is designed to support the installation of eave lights on house without roof overhangs.
Extension String Lights with 15 LEDs	Used to extend the eave light installation length. An additional power adapter is required.
11.8 ft Extension Cord with Eave Lights	Used to connect light string sections across eave corners, roofline gaps, or areas where lighting is not required.

Each power adapter supports a limited number of lights. If the maximum supported quantity is exceeded, use an additional power adapter with a Power Injection T-Connector. See the “Power Injection T-Connector” section for details”.

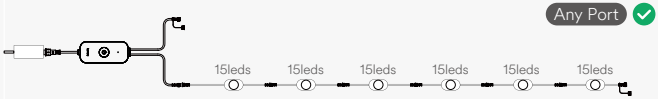
Power Adapter	48W	72W	96W	144W
Max. Support LEDs	60 LEDs max support	90 LEDs max support	120 LEDs max support	180 LEDs max support

For long-distance installations, strictly follow the light string installation diagram for wiring and power supply to help prevent voltage drop, dim lights at the end, or abnormal lighting effects.

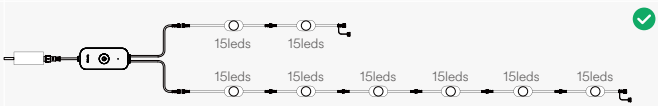
60leds

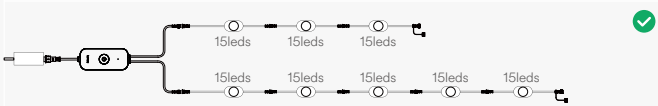


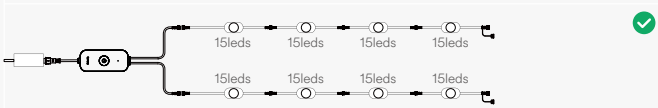
90leds



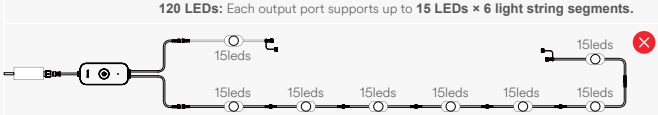
120leds



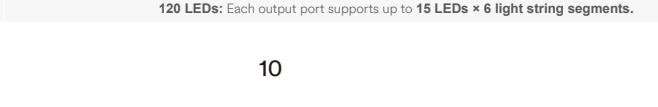






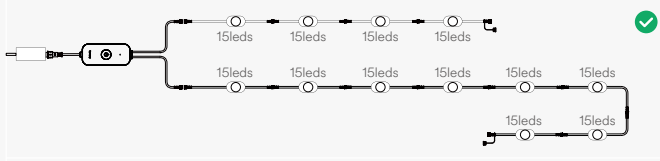


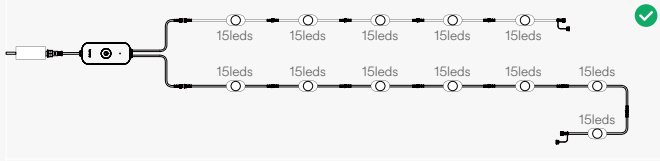
120 LEDs: Each output port supports up to **15 LEDs × 6 light string segments.**

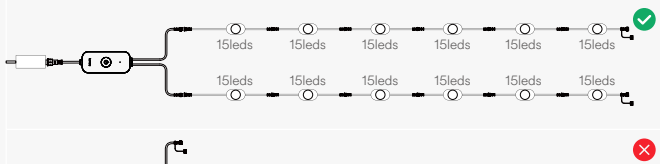


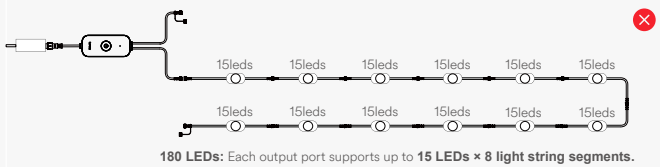
120 LEDs: Each output port supports up to **15 LEDs × 6 light string segments.**

180leds

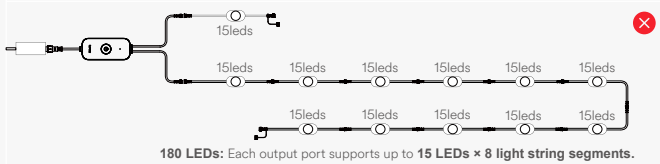




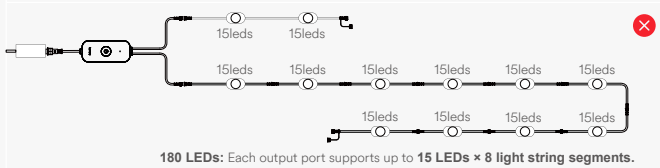




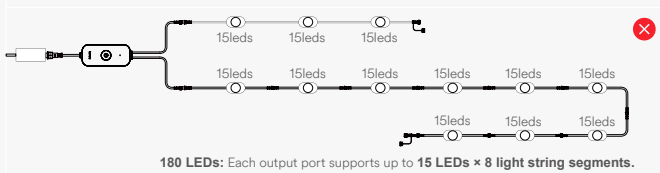
180 LEDs: Each output port supports up to **15 LEDs × 8 light string segments.**



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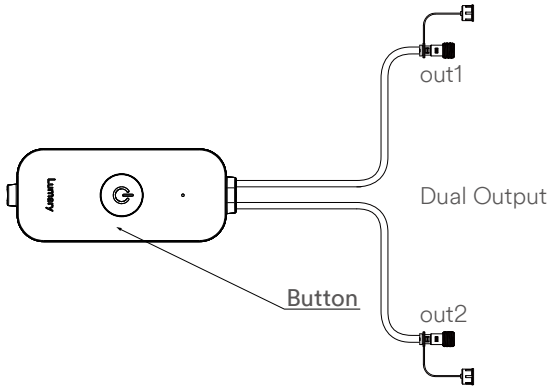


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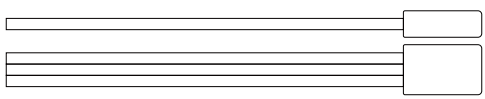
Controller



Button	
Single press	Change color
Press twice quickly	Power off
Press and hold for 5S	Reset device

Note: Each controller output channel supports up to 720 LEDs in total. Do not exceed this limit under any configuration.

End Cap



- After installing the lights along the eaves, if there are extra unused LEDs at the end of the string, trim them off and seal the cut end with the end cap. The cap contains waterproof gel and can be directly pushed onto the wire to prevent water ingress and electrical faults.

Power Injection T-Connector

The Power Injection T-Connector is used to connect an additional power adapter to the middle or end of a long light string. This helps reduce voltage drop and prevents the lights at the far end from becoming dim when the light string is extended.

Installation Tips

- Before installation, unpack the entire set and connect all parts. Power on the device and add it to the Lumary App to confirm that the full light system works properly.
- Choose the appropriate connection method based on your actual installation layout.
- When the total number of LEDs exceeds 180, or when the lights at the far end become noticeably dim, it is recommended to use a power injection T-connector.
- When connecting the T-connector, connect it to the light string first, then connect the additional power adapter.
- Do not connect or disconnect wires while the power is on. After installation is complete, power on the controller-side adapter first, then power on the additional adapters one by one.
- After powering on the system, set the correct number of LEDs in the output settings. The default setting is dual output, with 30 LEDs per output.

Power and Controller Limits

- To ensure safe and stable operation, please follow these limits:
- Each power adapter can power up to 180 LEDs.
- If more than 180 LEDs are required, use an additional power adapter with a power injection T-connector.
- Each controller output channel supports up to 720 LEDs. Do not exceed this limit under any configuration.

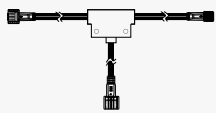
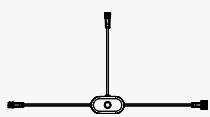
Note: Not included in the package.

T-Splitter

The T-Splitter divides the signal from one controller output into two separate light string branches.
It can be connected directly to OUT 1 or OUT 2 on the controller to create a Y-shaped installation. It can also be installed in the middle of a light string to create an additional branch, forming two separate lighting sections.

- Running two light strings in opposite directions from the same controller.
- Creating center-out layouts on eaves, fences, rooftops, or wall corners.
- Building symmetrical lighting layouts with a single controller output.
- Creating separate lighting zones in the App based on the actual installation layout.

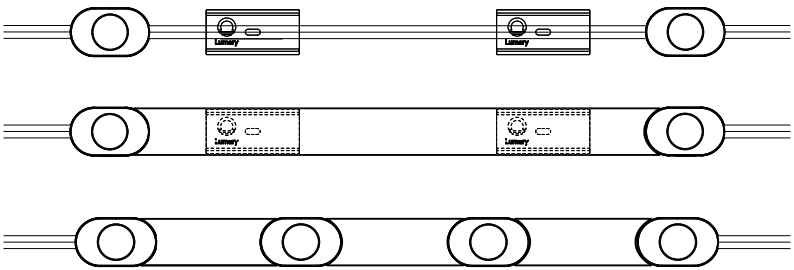
Difference Between Power Injection T-Connector and T-Splitter

Component	Image	Function
Power Injection T-Connector		Provides additional power to help prevent brightness drop or power failure in long light runs.If the total number of connected LEDs exceeds 180, use the T-Connector to inject power beyond this point. • Must be used with an additional power adapter. • Each power adapter supports up to 180 LEDs.
T-Splitter		The T-Splitter divides the signal from one controller output into two separate light string branches. It is ideal for branch points such as the center of eaves, wall corners, or other areas where two light runs are required. Based on the actual installation layout, you can create separate lighting zones in the App for more flexible control.

Note: Not included in the package.

Wire Cover

The wire cover is designed to fit seamlessly with Lumary Permanent Outdoor Light 3 and future Lumary eave light models. It helps hide exposed wires, keeping your eaves clean, neat, and consistent in appearance. With a little creativity, it can also be used for various DIY installation setups.



Step 1
Connect each light string first, then power on the system to confirm that all lights work properly. Do not connect or disconnect lights while the power is on.

Step 2
When installing the lights, slide the light head horizontally out of the mounting base, then secure the base with screws. Then, install wire cover bases horizontally. The wire cover base can be also secured with screws in package.

Step 3
Install the next lamp head mounting base in the same way.

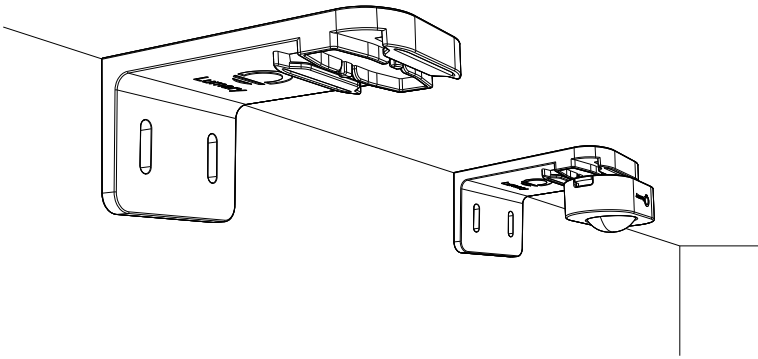
Step 4
Insert the lamp head horizontally into the base, then snap on the wire cover.

Step 5
Continue installing the remaining lamp heads and wire covers in sequence.
Note: The wire cover can be cut to the desired length for DIY installation.

Note: Not included in the package.

Mounting Board

The mounting board is designed for areas where the eave light base cannot be installed directly. It can also be used for flat wall installation when downward-facing lighting is required.



Notes

1. Do not fully secure all mounting boards before checking the fit. Always attach the light first to confirm the correct spacing and position before securing each board. Otherwise, the light may not fit properly after the mounting boards are installed.

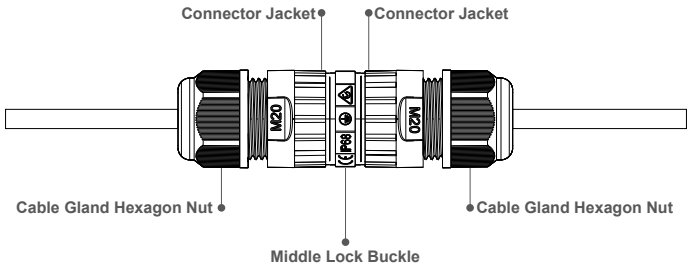
2. Remove the light before tightening the screws on the mounting board. Due to limited installation space, tightening the screws while the light is attached may cause the screws to shift or damage the light.

3. When removing a light from a mounting board that has not yet been secured with screws, hold the mounting board with one hand and gently slide the light out with the other hand. This helps prevent the adhesive pad or mounting board from coming loose.

Note: Not included in the package.

Waterproof Wire Connector

The waterproof wire connector is used to reconnect and seal cut or extended light string wires for outdoor use. tunnel lights, street lights, underwater lights, landscape lights, modular lights, courtyard lights, buried lights, fountains, and for repairing and extending power cables.



Four Important Notes

1. Always disconnect power before assembly.
2. Use this product only within its rated voltage, current, and power range.
3. Please use the correct seals for the cable diameters for the cable entries.
4. After wiring is complete, tighten the lock nut with a hex wrench to ensure a waterproof seal.

Note: Not included in the package.

PAIRING YOUR DEVICE WITH LUMARY APP

What You Need:

- A Wi-Fi router supporting the 2.4GHz and 802.11b/g/n bands. 5GHz is not supported.
- A smartphone or tablet running iOS 13 and above or Android 13 and above.

Scan and view the instruction video

Pairing Your Device with the Lumary App

- Download the "Lumary" App from the App Store or Google Play.
- Turn on your smartphone's Bluetooth Open the app, tap the "+" in the top right corner and add device.The device should appear automatically in the list.
- Tap the device icon and follow the on-screen insructions to complete pairing.
- After pairing, set the correct light quantity, segment number, output channel, or installation direction if required.
- If no device appears within 2 minutes, press and hold the ON/OFF button on the control box for 5 seconds. The eave lights will begin flashing. Then open the app and try again.

Important App Reminder:

- If the number of lights or segments is set incorrectly in the app, scenes may appear incomplete, reversed, out of sync, or partially displayed.

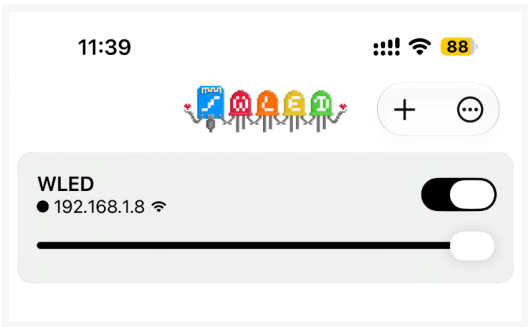
WLED MODE INSTRUCTIONS

How to Enter WLED Mode

There are two ways to enter the WLED Mode:

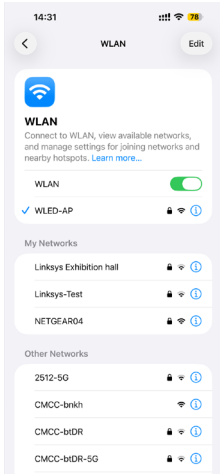
Method 1: Access via the WLED App

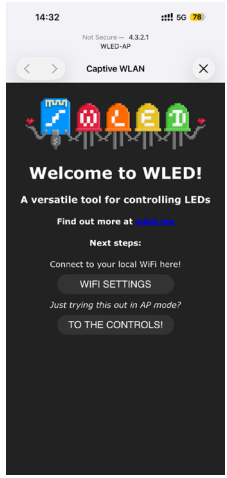
- After the device has been paired with the Lumary App, download and open the WLED App. Make sure your phone is connected to the same Wi-Fi network as the paired device.
- The eave light device you just added should appear automatically in the WLED App. Tap the device to enter the WLED control interface.

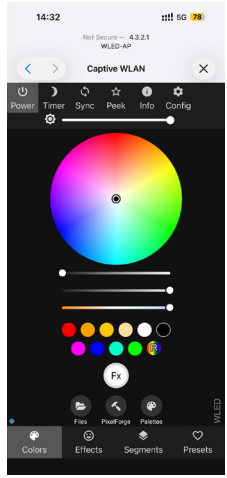


Method 2: Enter WLED Mode

- When the lights are flashing, the device enters WLED mode. On your phone, search for the Wi-Fi network named “WLED-AP” and connect using the default password “wled1234”.
- After the connection is successful, the WLED control interface should open automatically on your phone.
- For detailed instructions, please visit the official WLED project website: https://kno.wled.ge/







How to Switch Back to Lumary App

- If you want to exit WLED mode and return to standard control, open the Lumary App and control the device as usual.

WLED Additional Notes

- WLED Additional NotesWLED is developed by the open-source WLED community. If you encounter any issues or want to report bugs, please visit the WLED community for support.

  Note: Device status changes made in WLED mode will not sync back to the Lumary App. However, changes made in the Lumary App can be synced to WLED mode.

Issue Lights	Possible Cause	Possible Cause
o not turn on	Power not connected / loose plug	Check all connections and ensure the power adapter is securely plugged in
Only part of the lights are working	Partial Light String Failure / Short Circuit	Replace the non-working string light
Cannot pair with the Lumary App	Not in pairing mode / Bluetooth or 2.4GHz WiFi not enabled	Hold the controller ON/OFF button for 5 seconds until the lights flash. Ensure Bluetooth and 2.4 GHz Wi-Fi are enabled.
Lights are dimat the far end App not finding device	Device not in pairing modePhone too far from controller	Keep phone within 5 meters and retry pairing with light flash



1. Log in to Lumary App, tap the smart device and enter into, click" ✎ " in the top right corner.
2.Tap "Alexa" in Third-party Control.
3.Tap "Sign In With Amazon".
4. Tap "Allow".
5. Linked successfully, when add new device, there is no need to link again, just discover new device in Alexa.

Things you can say*:
"Alexa, discover my devices."
"Alexa, turn on the light."
"Alexa, set the Permanent Outdoor Light to orange."
"Alexa, set the Permanent Outdoor Light to 50%."
*Some commands require compatible devices.



1. Log in to Lumary App, tap the smart device and enter into, click " ✎ " in the top right corner.
2. Tap "Google Assistant" in Third-party Control.
3. Tap "Link with Google Assistant".
4. Click "Agree and link".
5. Linked successfully, when add new device, there is no need to link again, just discover new device in Google Home.

Things you can say*:
"Hey Google",and ask.
Things you can say*:
"Hey Google, turn on the light."
"Hey Google, turn off the light."
"Hey Google, set the Permanent Outdoor Light to orange."
"Hey Google, set the Permanent Outdoor Light to 50%."
*Some commands require compatible devices.

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.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 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.

CUSTOMER SERVICE

24 HOURS Quick Response

If there is any problem please check the Troubleshooting page . When you could not fix this, please contact us after-sale email, we will respond within 24 hours.

Please email the video of the problem and order ID to support@lumary.tech.

30 DAYS Hassle-Free

After the purchase, if there any quality with devices, we can offer free return or replacement.

2-YEAR WARRANTY

Friendly Reminder

Please rest assured that our service aim is to make customers 100% satisfied.
If there is any problem, please email us at support@lumary.tech.

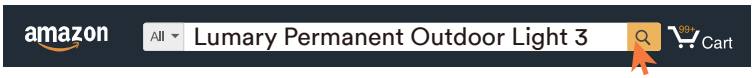
CONTACT US

1. If you have any questions about product settings or operations, please feel free to reach out to us!

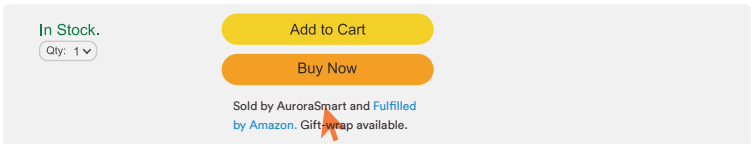
Customer Service 7x24H: support@lumary.tech

2. "Ask a quesion" on the "Lumary" Seller Page.

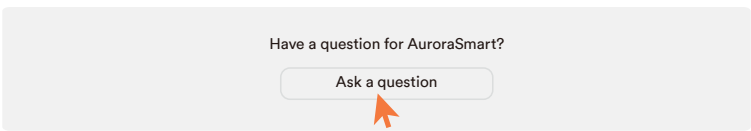
- Sign into your Amazon account. Search the product about Lumary.



- Go to the product listing on click the Lumary Store.



- Click "Ask a Question" or "Contact the Seller"



If you have any questions about product settings or operations, please feel free to reach out to us!

Customer Service Email: support@lumary.tech

You can also find us on social media. Simply search for our username on your preferred platform, or scan the QR code to join the growing Lumary user community!

- Facebook: @lumary.official
- Instagram: @lumary.official
- YouTube: @lumary.official
- TikTok: @lumary.official
- X: @lumary_official
- Pinterest: @lumary_official
- Reddit: @Lumarysmartlight

Facebook



Facebook Group



Instagram



YouTube



TikTok



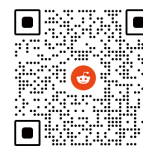
X



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STANDRY
ALL
THE TIME

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