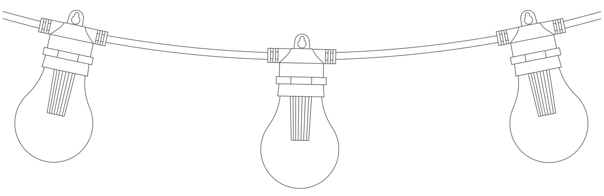
Aqara

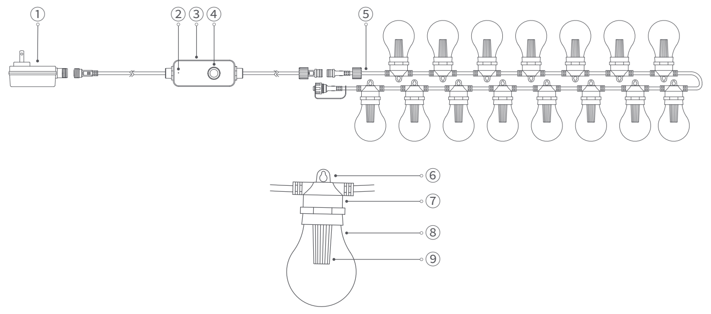


Outdoor String Lights H1 EN

Product Introduction

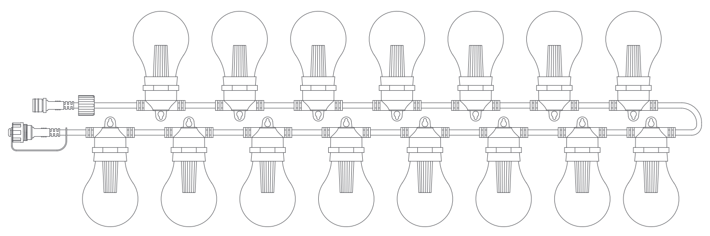
Aqara Outdoor String Lights H1 are smart, weather-resistant decorative lights designed for outdoor spaces like courtyards and patios. Featuring a transparent bulb casing, a light-guide pillar, and advanced RGBCWIC LEDs, they deliver dynamic colors and high-quality white light. They support smooth color adjustments, color temperature, and brightness, perfect for holidays, parties, and everyday ambiance.
Supporting both Zigbee and Thread protocols, they easily integrate into your smart home ecosystem via a hub, enabling scene control and whole-home automation. Available in 50 ft and 100 ft lengths, they can be extended up to 100 ft (Max. 2 strings).

Product Overview

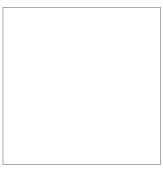


① Power Adapter
② Microphone Hole
③ Controller Box
④ Control Button
⑤ Light String
⑥ Mounting Hole
⑦ Bulb Base
⑧ Bulb Shell
⑨ Light Guide Pillar

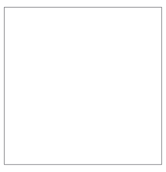
What's in the Box



Light String

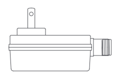


Multilingual User Manual

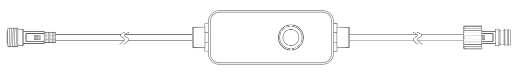


Installation Guide

Zip tie



Power Adapter



Controller

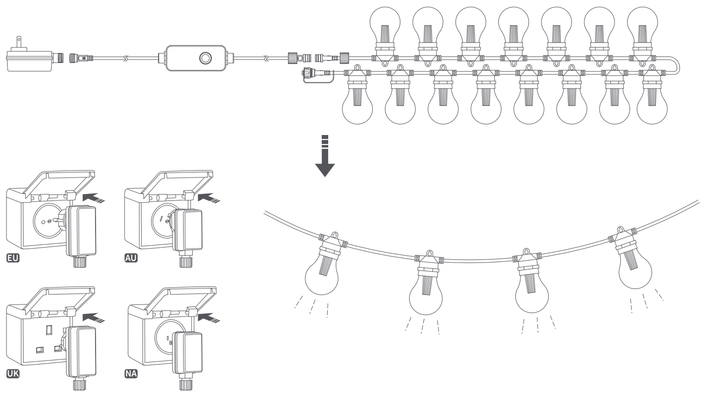
Item	50 ft (LB-L13E / LB-L13D)	100 ft (LB-L14E / LB-L14D)
Light String	1	2
Zip Tie	18	35
Controller	1	1
Power Adapter	1	1
Multilingual User Manual	1	1
Installation Guide	1	1

Warnings

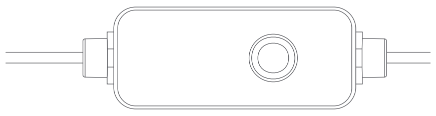
1. The device shall not be installed in water or flammable, explosive, high-temperature, high-humidity environments or a location directly exposed to sunlight. The installation environment must be ventilated properly.
2. During installation and use, do not damage the structure of the product. Do not beat or strike it with a heavy object, nor bind the string with metal wires tightly. Otherwise, the wires may touch the live wires in the strings and cause a short-circuit fault, burning the strings.
3. During the operation of the lights, do not wrap or cover it with any object.
4. To prevent overload and risk of fire, do not exceed the maximum connection limits: Max. length 100ft/30m (Max. 2 strings, only for models LB-L14E / LB-L14D).
5. Avoid contact with any acidic, alkaline, or other chemicals.
6. This product must only be operated with the provided SELV / LVLE / Class 2 power adapter of 24 VDC. For exact power ratings, please refer to the specification label on the included adapter.
7. The external flexible cord of the lights cannot be replaced; if the cord is damaged, the lights must be disposed.
8. The bulbs in the product are not replaceable; when the bulbs reach the end of their life the whole product shall be replaced.
9. This product is designed only for improving the convenience of household life, and for status notifications. If the user violates the product instructions and this warning, the manufacturer is not responsible for any risks and property losses caused thereby.
10. Do not connect the product to a power supply while it is in the packaging.
11. This product must not be used without all gaskets being in place.
12. Do not interconnect parts of this lighting chain with parts of another manufacturer's lighting chain.
13. Interconnection shall be made only by the use of the supplied connectors. Any open ends must be sealed-off before use.
14. In UK and Australia, this product is for indoor use only, connected to a power supply in a dry location or ensure an equivalent degree of protection against harmful ingress of dust and moisture.

Before Installation

Power-on Test: Connect the light string, controller, and power adapter in sequence. Plug into a power supply and ensure all light strings illuminate properly.



Controller Function Check: Press the button on the controller to verify that functions operate normally.



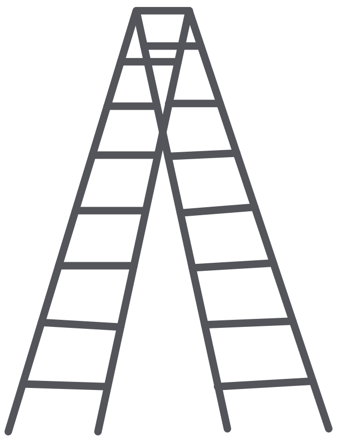
Button	Operation	Function
ON/OFF button	Single Press	On / off control
	Double Press	Switch quick scenes (can be configured in the app)
	Triple Press	Verify communication range
	Press and hold for 5s	Reset network
	Press 10 times in quick succession	Restore factory settings

Network Connection Verification: Ensure the device can be successfully paired to the network (Note: The firmware version of the connected hub must be V4.5.7.0 or higher).
Before using this product, you need to download the Aqara Home app and register an account. This is not necessary if you directly connect this product to a third-party ecosystem. However, unique features such as Dynamic Effects, Music Sync Mode, Power-Off Memory Setting, AI Effect Assistant and more will be unavailable to you.

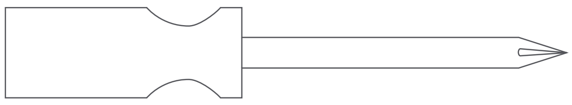
Aqara Home

Product Support

Required Tools: Please prepare the following tools prior to installation:
Ladder

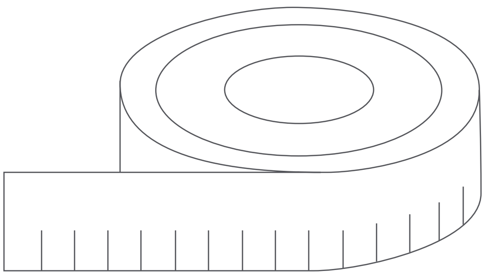


Screw Driver

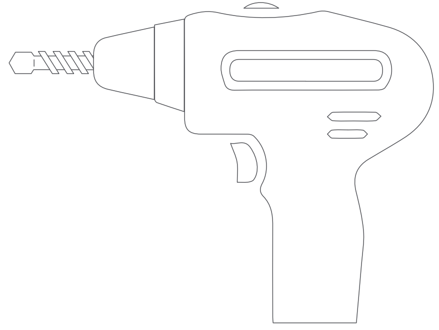


Pencil

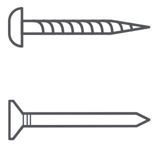
Tape Measure



Drill (optional, for hard mounting surfaces)

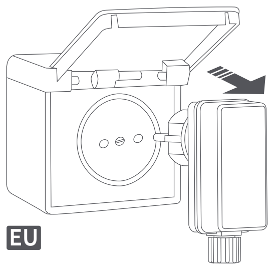


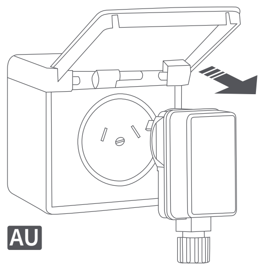
Screw (optional, for hard mounting surfaces)

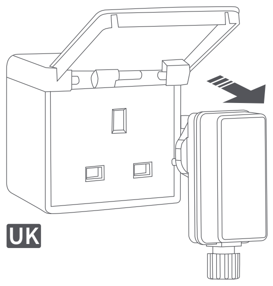


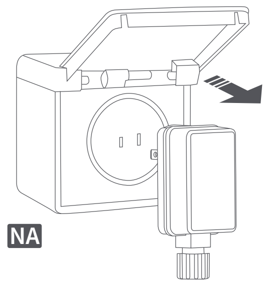
Installation Guide

⚠ **Warning:** Before installing the lights, the power supply must be disconnected to prevent electric shock.

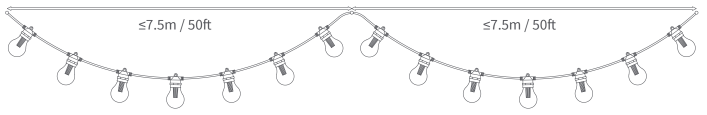




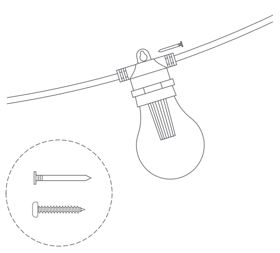


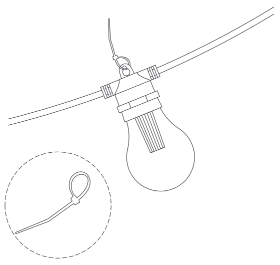


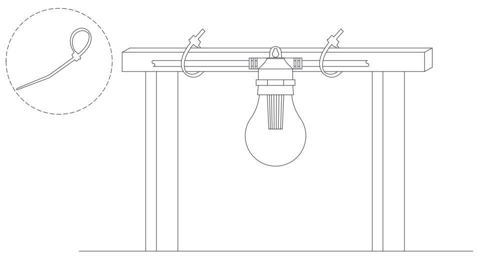
Note: Ensure there is at least one mounting point every 7.5 meters during installation.



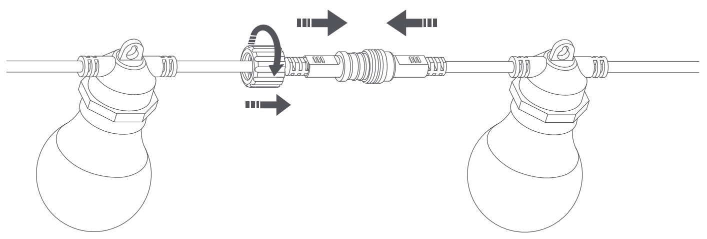
1. **Mount the string lights:** Find a suitable location to hang the string lights and secure the bulbs using screws or zip ties.

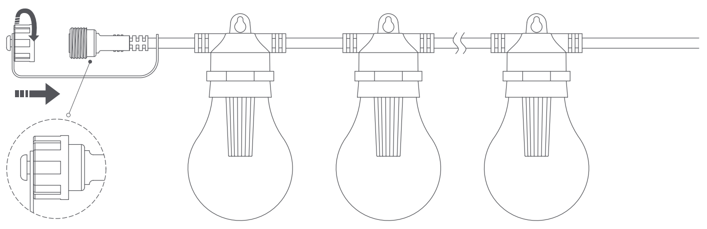




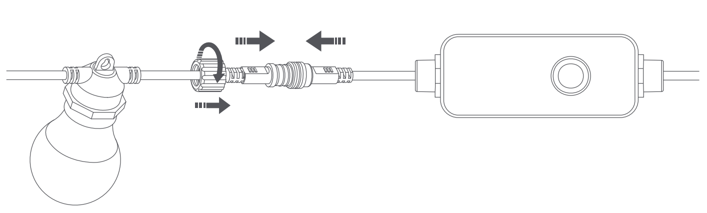


2. **Connect the string lights:** Connect the light strings, ensuring the waterproof cap at the end of the string is securely tightened.

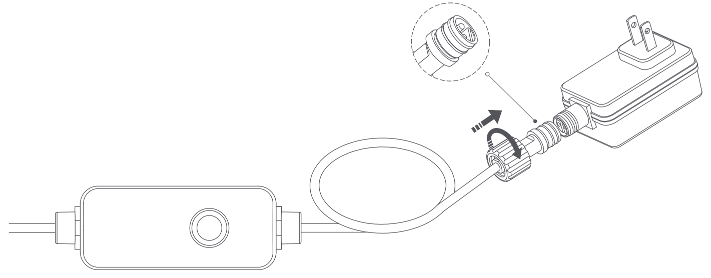




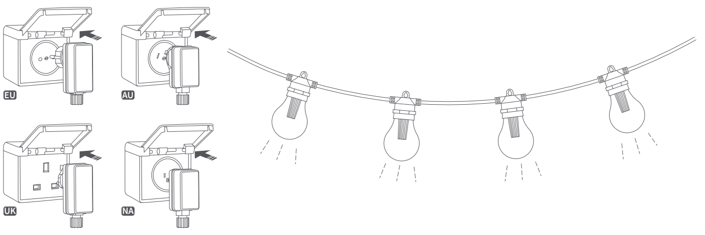
3. **Connect the controller**



4. **Connect the power adapter**



5. **Power on:** Once connected to the power supply, the string lights are ready for normal use.



Quick Setup

To use the device with a particular Matter ecosystem (Thread Mode), a Matter Controller of said ecosystem and a Thread Border Router are required:

Press and hold the button for 5 seconds until the lights slowly flash twice. This indicates that the device is in pairing mode.

* When powered on for the first time, the device will automatically enter pairing mode.

Open the ecosystem's app that supports Matter, scan the Matter code on the manual or product, or enter the setup code to add the device to the app. Follow the app's instructions to complete the setup.

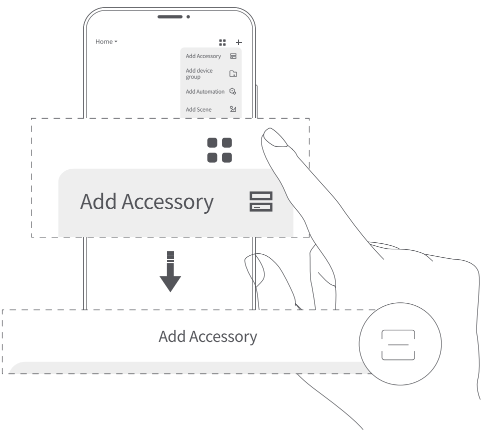
Download the Aqara Home app

Search for "Aqara Home" in the app store, or scan the QR code below to download the Aqara Home app.

Add the device

Pair with Aqara Home:

1. Add the hub to the app according to the hub's user manual;
2. Open the app and tap "+" in the upper-right corner of the home page to enter the "Add Accessory" page;



3. Find and select this device on the page, and follow the instructions.

* If adding fails, move the hub closer to this product, power it on again or reset the network, and then try again.
* During pairing, connect your phone to the same Wi-Fi network as the hub;
* Communication range verification: Triple-press the control button. A beep from the hub indicates effective communication between the device and the hub.
* You can also scan the QR code on the last page of this manual to bind the device to the Aqara Home app.

How to Switch Protocols

To switch protocols, you can either remove the device in the Aqara Home app or press and hold the button for 5 seconds to reset the network, and then repeat the pairing process. On the device pairing screen, tap "Switch Protocol" and select the desired protocol. Follow the app's instructions to complete the setup.

Note: Switching protocols is equivalent to restoring factory settings, and will erase all settings and data.

Reset the device

Actions	**Results**
Press the button and hold for 5s	Reset: Only clears the network pairing, without deleting other settings and records. * Saved "My Scenes" will be deleted.
Press the button 10 times in quick succession	Factory Reset: Restores the device to its original settings, clearing all configurations and data.

Product Specifications

Product Name	**Outdoor String Lights H1**	
Product Model	LB-L13E / LB-L13D	LB-L14E / LB-L14D
Length	50 ft / 15 m	100 ft / 30 m
Number of Lights	15	30
Light Color	RGBCWIC (RGB + Cool White + Warm White + IC)	
Color Temperature	2000 K – 9000 K + RGB	
Luminous Flux (per light)	40 lm	
Rated Power	8W	15W
Wireless Connectivity	Zigbee, Thread, Bluetooth	
IP Rating (Luminaire)	IP65 (String), IP65 (RF-box), IP44 (Adapter)	
Operating Temperature	−20 °C to 40 °C (−4 °F to 104 °F)	
Operating Humidity	0 – 85 % RH, non-condensing	
Color Rendering Index (CRI)	80	
LED Chips Lifetime	50,000 h	

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