# USER Manual

To users: Thank you for buying our products! Please read this manual carefully before use and keep it safe for reference!

**In order to ensure safe construction, please be sure to check the following important matters before starting work**

| | |
|---|---|
| ⚠ Warning: If used incorrectly, it may cause personal accidents. | ⚠ Caution: Misuse may result in material damage. |
| ⃠ : Prohibitions | ❗ : Matters to be observed |

| | | | |
|---|---|---|---|
| Before installation | ⚠ Warn | ⃠ | This product is a common environment for indoor special lamps,the following environmental conditions are not available.(Risk of fall, electric shock and fire)<br>● The ambient temperature is below -10°C and above 40°C; ● In the air conditioning outlet or tuyere; ● A ceiling that cannot support the weight of the light fixture;<br>● Pitched and coved ceiling; ● In humid places, humidity ⩾80%PH; ● Places in direct sunlight; ● Where dust, corrosive gases occur; ● outdoor;<br>● Vibration, impact place; ● The insulation on the ceiling; If it is difficult to judge the outdoor use environment, please contact our customer service department. |
| Lighting wiring | ⚠ Warn | ❗ | ● Be sure to have the relevant qualification certificate engineering personnel installation. (Risk of security incidents)<br>● The lamp needs an external LED power driver, and the power of the LED power driver should match the light source. (It is recommended to use the company's corresponding LED power driver, otherwise it will affect the normal use of the lamp).<br>● Lighting lines and other power lines (such as air conditioningorhigh-power electric equipment) are routed separately. |
| Luminaire installation | ⚠ Warn | ⃠ | ● Before the maintenance and installation of the lamp, ensure that the power supply has been cut off, and ensure that the cable connection is correct before turning on the power supply. (Risk of electric shock)<br>● Please do not disassemble or modify the luminaire. (Risk of electric shock, fire, drop, failure)<br>● "" Regardless of the circumstances, the lamp must not be covered by thermal insulation liners or similar materials, ensuring that there is at least 100mm of space around the product. (Risk of fire)<br>● When the lamp is lit or off, the lamp is in a high temperature state. Do not touch the lamp. (Risk of burns)<br>● Do not wet the installation. (Risk of electric shock)<br>● The power cord of this lamp is Z-link: the external soft cable or cord of this lamp cannot be replaced; If the cord is damaged, the lamp should be scrapped. |
| | ⚠ Look out | ❗ | ● The actual power of this product is between 90% and 110% of the nominal power. (Construction wiring needs to consider the load current carrying capacity of the wire)<br>● The stress point of the ceiling of the lamp installation area must be greater than 4 times the weight of the lamp. (Risk of fall and failure)<br>● Non-user replacement light source: The light source in this luminaire should be replaced by the manufacturer or its service agent or a similarly qualified person. (Risk of product failure)<br>● The use of the lamp must not violate any fire regulations. (Risk of fire)<br>● If you feel abnormal conditions such as smoke and odor, cut off the power supply immediately and consult the construction company.<br>● When the blue light hazard level of the product is RG2, the product will be marked with an"" logo, and the luminaire should be installed so that it will not be stared at for a long time at a distance of less than 2.2m. |

※ When the lamp occurs abnormal phenomenon, please quickly cut off the power supply, and contact our customer service department or professional qualified personnel to check the maintenance and replacement.

Tips: Please wear gloves when installing lamps and adjusting the Angle of illumination of lamps!

## Product warranty description

In strict accordance with the Law of the People's Republic of China on the Protection of Consumer Rights and Interests and the Product Quality Law of the People's Republic of China, three after-sales services are implemented, and the service content is as follows:

1. Within 3 days from the day after you sign, there is a performance failure listed in the "Product fault table", and the center will test and confirm after sale, you can enjoy free return or exchange service;
2. Within 7 days from the day after you sign, there is a performance failure listed in the "Product fault table", which is confirmed by the center after sale, and you can enjoy free replacement or maintenance services;
3. Within 36 months from the day after you sign, there is a performance failure listed in the "Product fault table", and the center will test and confirm after sale, and you can enjoy free maintenance service;

## Non-warranty policy

1. Unauthorized maintenance, misuse, collision, abuse, fluid intake, accident, alteration;
2. The validity period of three packages has exceeded;
3. Damage caused by force majeure;
4. Failure to meet the performance fault listed in the "Product fault table";
5. Due to human causes, products or accessories produce performance failures listed in the "Product fault table". Such as the use of non-rated voltage in non-specified environments, resulting in product performance failures.

## Product fault list

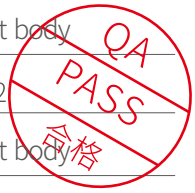
| |
|---|
| The lamp cannot work with electricity |
| The light flashes when the power is powered on |
| The lighting is uneven in some areas |
| Product structure non-human structural damage |

## Certificate of conformity

Model number: See product body

inspector: QA-02

Factory date: See product body



## TUYA Remote control instructions (remote control is not standard, optional)

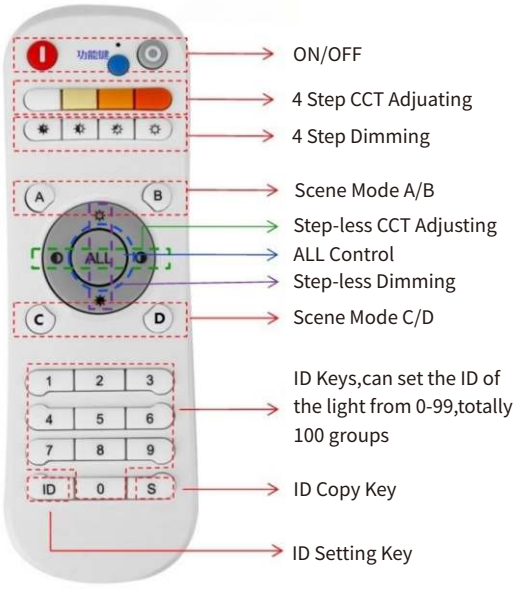



**Figure 1**

**Operation instruction**

**1. Code alignment and code elimination**

Step 1: Perform step 23 within 10 seconds after powering the lamp;
Step 2: Press the number between 0 and 99 to set the light ID, then press the "ID" key;
Step 3: Repeat Step 2 and the light flashes once to complete the code alignment.
Note: 1 remote control can control up to 100 sets of lights, there is no limit to the number of lights in each set. 1 lamp most
More than 4 different identities of the remote control code, with the fifth remote control code automatically overwrite the first.

**1.2 No grouping code** (after the code can be controlled by any number)

Within 10 seconds after powering on the lamp, press the " " button continuously and the lamp flashes once to complete the code alignment.

**1.3 Code Elimination**

Within 10 seconds after the lamp is powered on, press the " " button continuously and the lamp flashes three times to complete the code elimination.

**2. Single control or total control function**

2.1 Single controller: press the ID number of the lamp first, and then press the corresponding function button.
2.2 Total control: Press the " " key first, and then press the corresponding function keys.

**3. Dimming color temperature function**

Function as shown in Figure (1).

**3.1 Four Scenarios:** Four scenarios can be preset. The following is the factory preset scenario status.

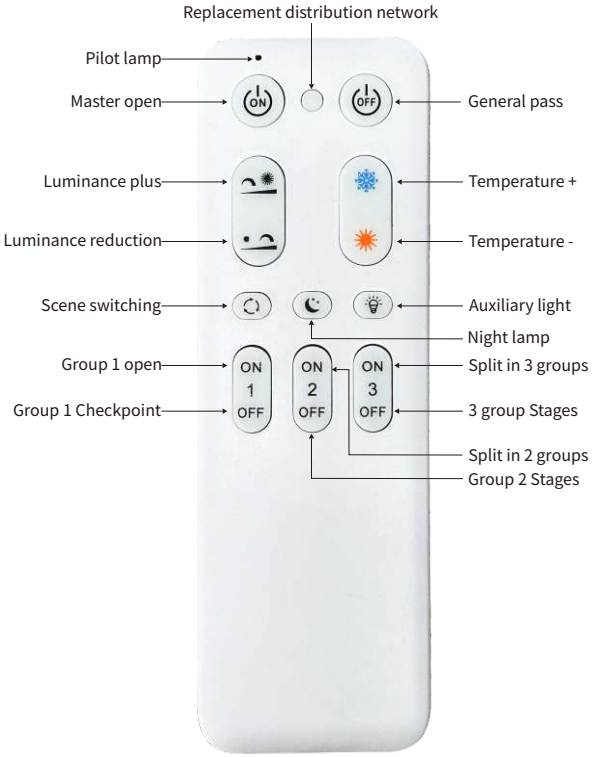
| Map | Dimming and color temperature | Flat light | Switch on and off the breaker |
|---|---|---|---|
| A | 10%/Brightness/warm colors | 10% luminance | OFF |
| B | 30%/ Brightness/natural light | 30% luminance | ON |
| C | 50%/ Brightness/White Light | 50% luminance | OFF |
| D | 100%/ Brightness/cold white light | 100% luminance | ON |

**3.2 Scenario Setting**

Step 1: Adjust the state of all lights according to the demand, including: color temperature, brightness, on, off;
Step 2: Press the " " key or the ID number of the light group;
Step 3: Press " ID"or "", and then press ID or" Ⓐ ", " Ⓑ "," Ⓒ ", " Ⓓ ", and then the indicator will blink once.
The Settings are complete.

**3.3 One-button Scenario:** Press " "or ID of a light group, and then press" Ⓐ " or," Ⓑ "," Ⓒ "," Ⓓ "To switch scenes with one click.

## XIAOMI Remote control instructions (remote control is not standard, optional)




**1. Code alignment**

After the lamp is powered ON, 1 group ON for 3 consecutive times within 5 seconds, or 2 groups ON,3 groups ON, is the group code;

**2. Clear code**

After the lamp is powered on, 5 consecutive times 1 group OFF, or 2 groups OFF, 3 groups OFF within 5 seconds, is the group clear code;

**3. Power distribution key**

● Long press the minimum button at the top of the remote control > 3 seconds, the lamp will automatically enter the state of Tmall or Mijia distribution network (require lamp support);

**4. Always on** **and always off**

Turn on all lights that have been aligned, turn off all lights that have been aligned, long press the key, and the light will become the brightest;

**5. Scene switch**

Quickly switch between different scenarios;

**6. Auxiliary light**

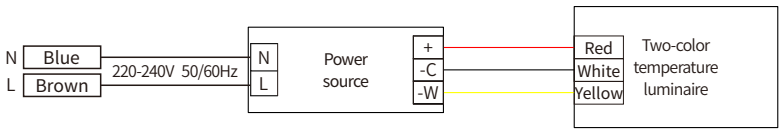
When the lamp is used with auxiliary light, it is usually similar to the role of the night light;

7.

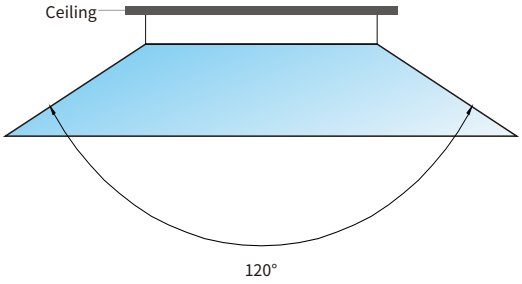
Lamp grouping switch, commonly used keys.

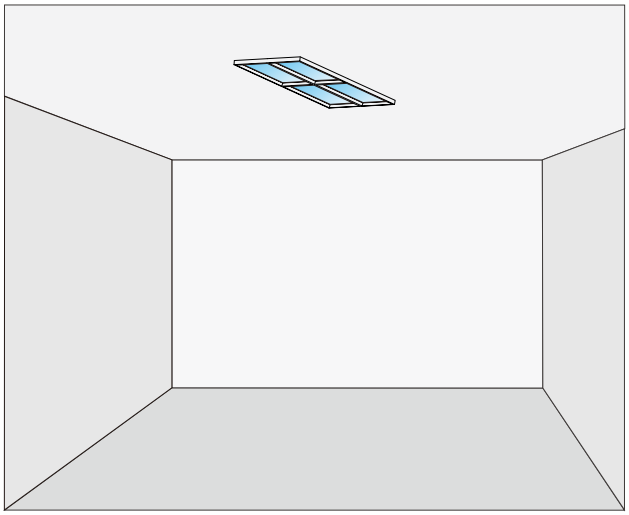
## Wiring diagram

### Two-tone




## Exit Angle diagram



## Before installation, check bill of Materials (Installation accessories)


Wire pendant


T-screw

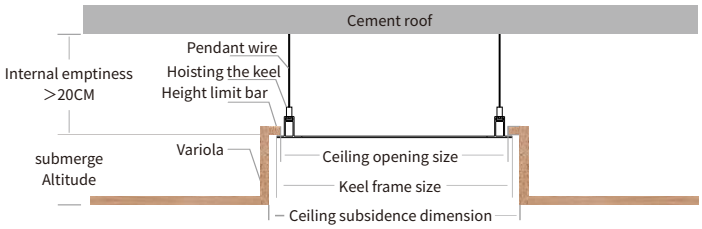

Connecting nut


Wire clamp

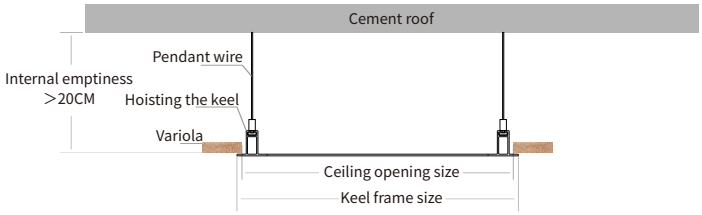

Expansion hook

## Installation mode

**Keel system - Sunken**




**Keel system - face mounted**




## Procedure for installing the PT series

One, Please confirm the hole size (hole size calculation formula please refer to page 4)
1. For the sunken type, it is necessary to confirm the opening size of the ceiling and the sinking size of the ceiling to ensure the smooth installation of the keel;
2. For the face-mounted type, it is necessary to confirm the size of the ceiling opening to ensure the smooth installation of the keel.
Two, install the cable
1. Insert the wire suspension wire into the connecting nut, as shown in Figure 3-1-1;
2. According to the position diagram of the cable, put the T-shaped screw into the keel slot, turn it clockwise for 90°, and then tighten it with the flange nut Screws, see Figure 3-2-1, Figure 3-2-2;

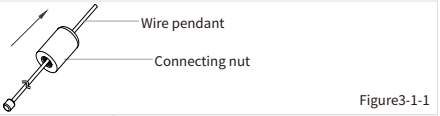


Figure3-1-1

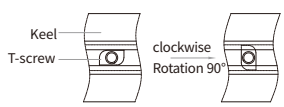


Figure3-2-1

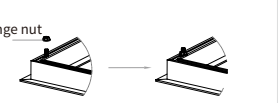
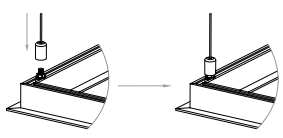


Figure3-2-2

3. Twist the connecting screw of the wire hoisting wire to the T-shaped screw to ensure that it is tightened, as shown in Figure 3-3-1;
4. Insert the wire hoisting wire into the double holes of the cable clamp. After adjusting the length, fix the wire wire with screws at both ends to form a single wire Closed loop hanger for hanging into the hook body of the expansion hook, see Figure 3-4-1;


Figure3-3-1

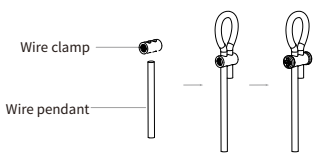
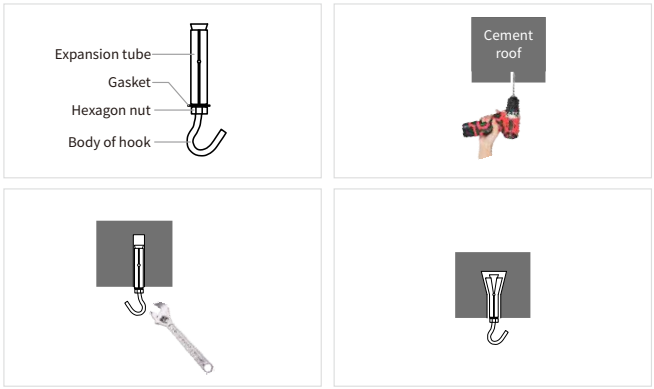


Figure3-4-1

Three, install the expansion hook

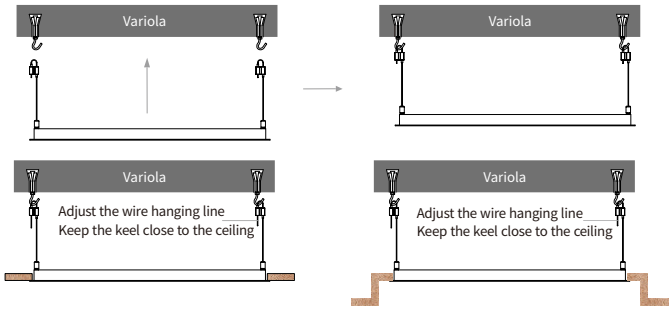
Determine the installation position of the expansion hook and install the expansion hook according to the cable position diagram.

1. Use a drill bit to drill a hole in the top of the cement that is the same size as the expansion pipe.
2. Put the expansion hook into the hole and tighten the hexagon nut with a wrench.
3. After the force is stressed, the expansion tube opens and the tail of the tube hangs on the cement top;




Four, install the keel

Hang the locked keel into the expansion hook body, then adjust the wire cable to ensure that the keel frame is tight to the limit Wooden slats or ceilings;




Five, connected drive

Connect the lamp power cord and the drive output end, and then connect the drive input line and the mains 220V zero-live wire through the wiring terminals, as shown in Figure 3-5-1 and Figure 3-5-2;

Connector drive

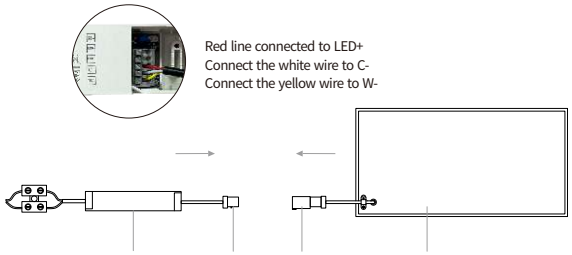



Figure3-5-1

Mains access

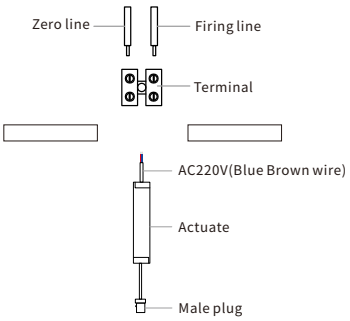
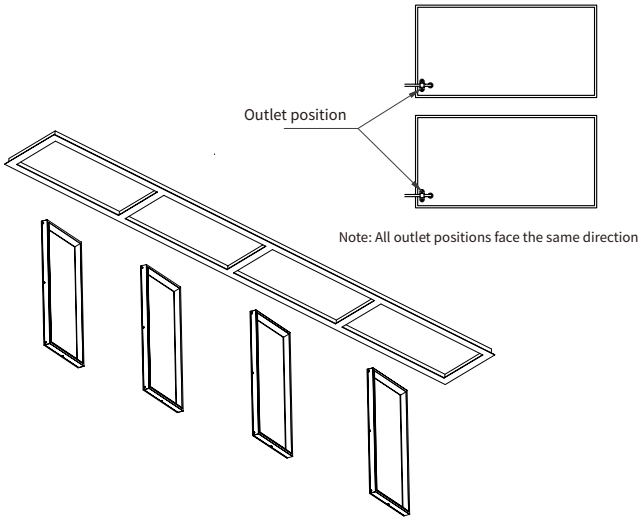


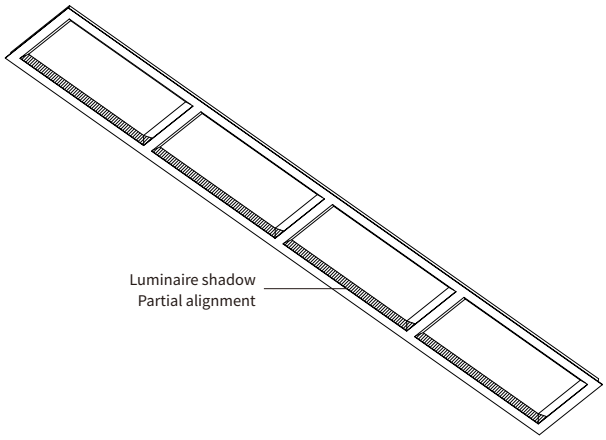

Figure3-5-2

Six, Place lamps

Put the luminaire from the keel frame, and then turn it over to face down, pay attention to all the luminaire installation direction must be the same;




Seven, Confirm the effect of turning on the light.

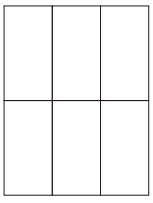



Keel system hole size calculation formula

* Keel sunk and keel face mounted hole size is the same

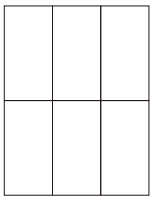
Check keel specifications before installation

Keel specifications: N1*N2,N1 is the number of short sides of the module, N2 is the number of long sides of the module



As shown on the left, the keel size is 3*2, N1=3,N2=2,
Keel opening size refer to the following formula:

Appearance size: (300*N1+36) *(600*N2+36)mm
Hole size: (300*N1+26) *(600*N2+26)mm
Sinking size: (300*N1+40) * (600*N2+40) mm



**Give an example**

As shown on the left, the keel size is 3*2, N1=3,N2=2,
Keel opening size refer to the following formula:

Appearance size: (300*3+36) *(600*2+36)mm=936*1236
Opening size: (300*3+26) *(600*2+26)mm=926*1226
Sinking size: (300*3+40) * (600*2+40) mm=940*1240

# Intelligent driver distribution network description

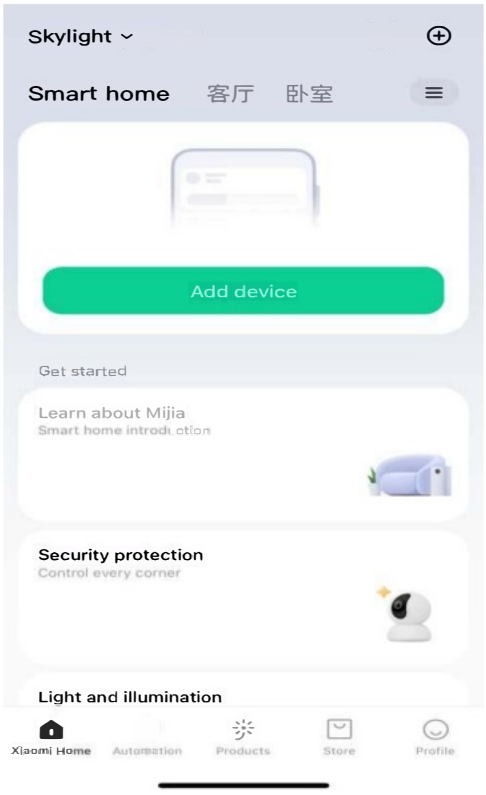
MIJIA APP

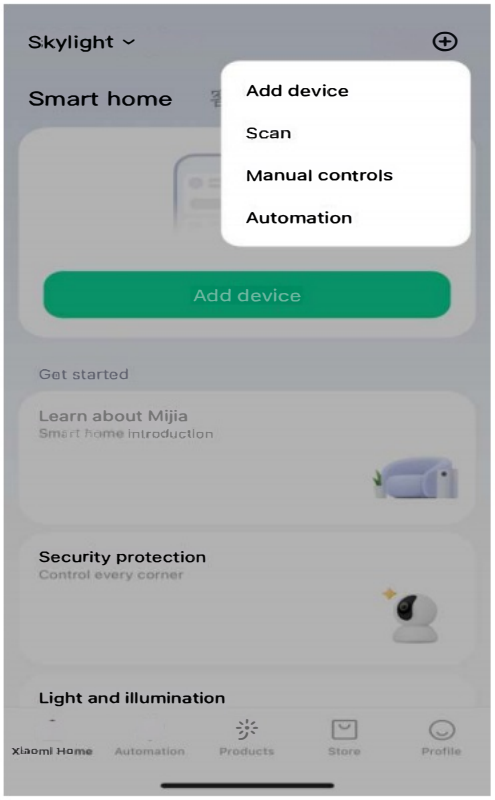
Note: This product intelligent driver is BLEmesh5.0 version, support mobile APP and remote control, remote control is a product accessory, need to be purchased separately.

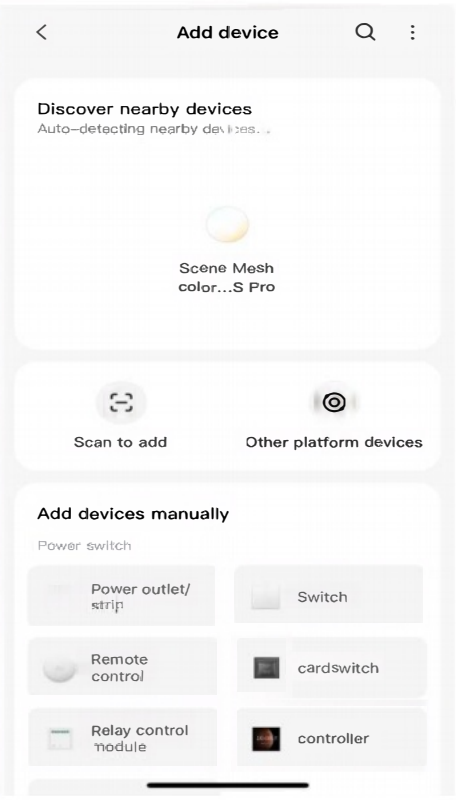
Distribution network and usage instructions are as follows:

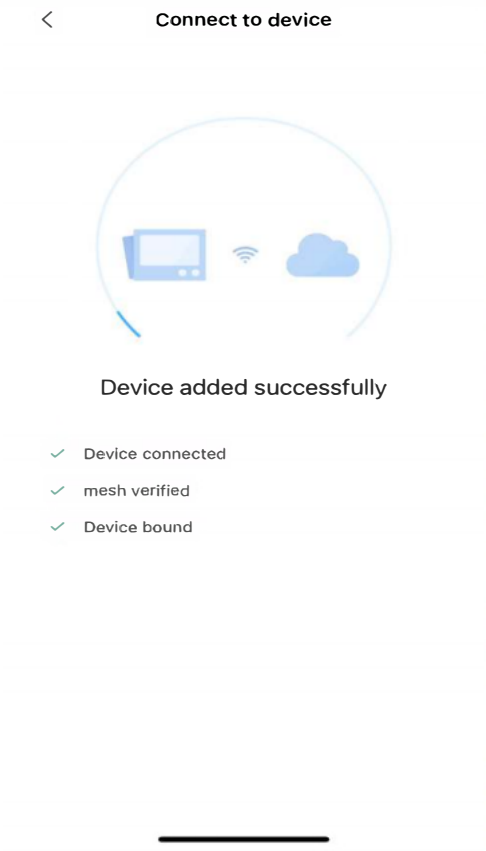
1. Download the "Mijia" APP on your phone, and install and register it.
2. To add a device, click "Add Device" or "+".
3. Visit the location and click "Continue";
4. The "Discover Device" screen is displayed, and click the "Add" symbol.
5. Click the "Done" symbol;
6. Enter the Dimming screen, switch on or off the lamp, and drag the display bar to adjust the brightness and color temperature.

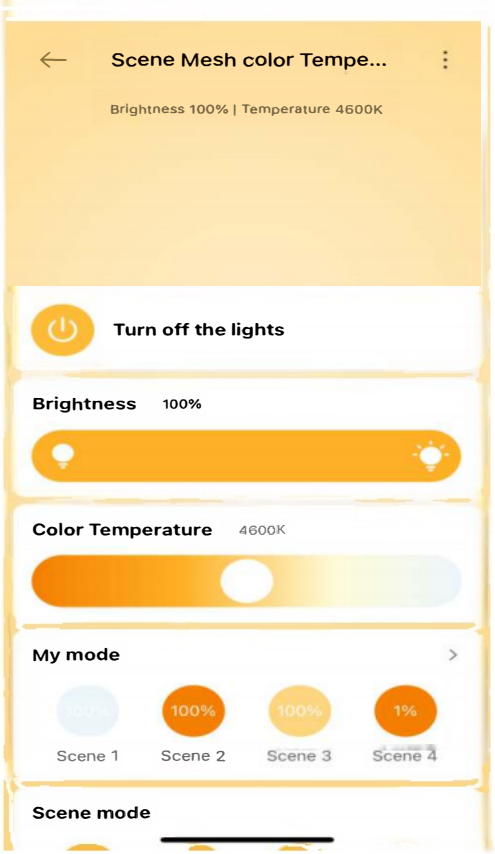
MIJIA APP

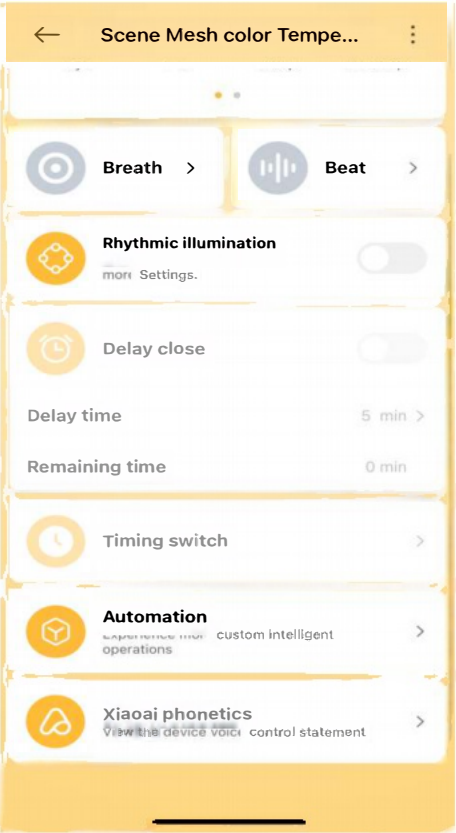


# Intelligent driver distribution network description

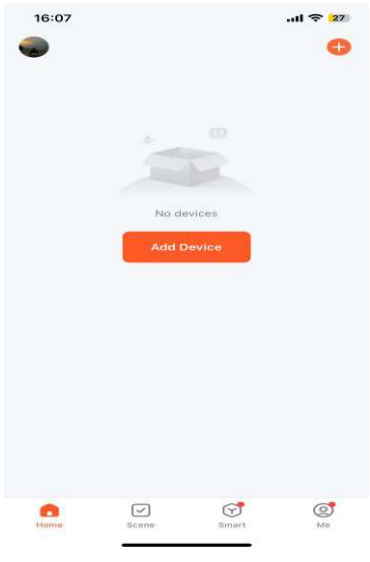
TUYA APP

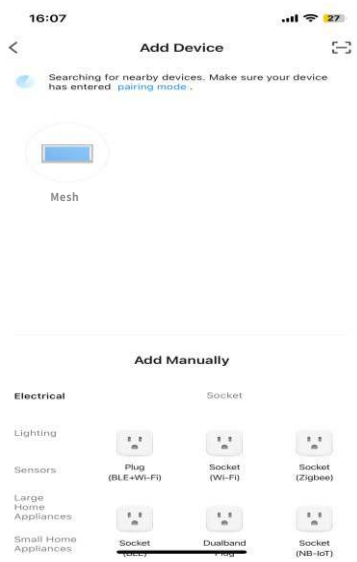
Note: This product intelligent driver is BLEmesh5.0 version, support mobile APP and remote control, remote control is a product accessory, need to be purchased separately.

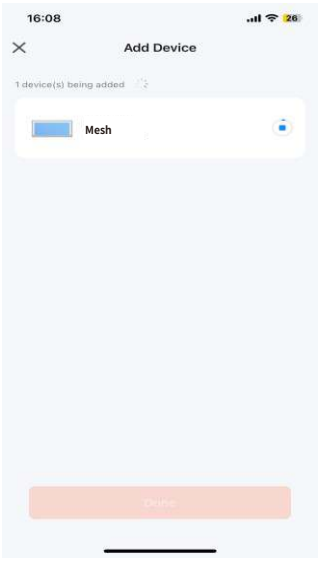
Distribution network and usage instructions are as follows:

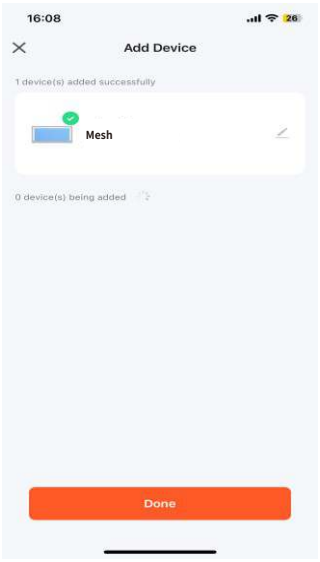
1. Download the "Smart Life" APP on your phone, and install and register it.
2. To add a device, click "Add Device" or "+".
3. Visit the location and click "Continue";
4. The "Discover Device" screen is displayed, and click the "Add" symbol.
5. Click the "Done" symbol.

TUYA APP




6. Enter the "Dimming" interface, you can switch on the lamp, drag the display bar to adjust the brightness and color temperature;
7. The Scenario page is displayed. You can set the scenario.
8. Enter the "More" interface, you can set "biological rhythm" and other Settings, biological rhythm function button open, you can automatically perform 24 hours of sunlight change according to the factory Settings.

