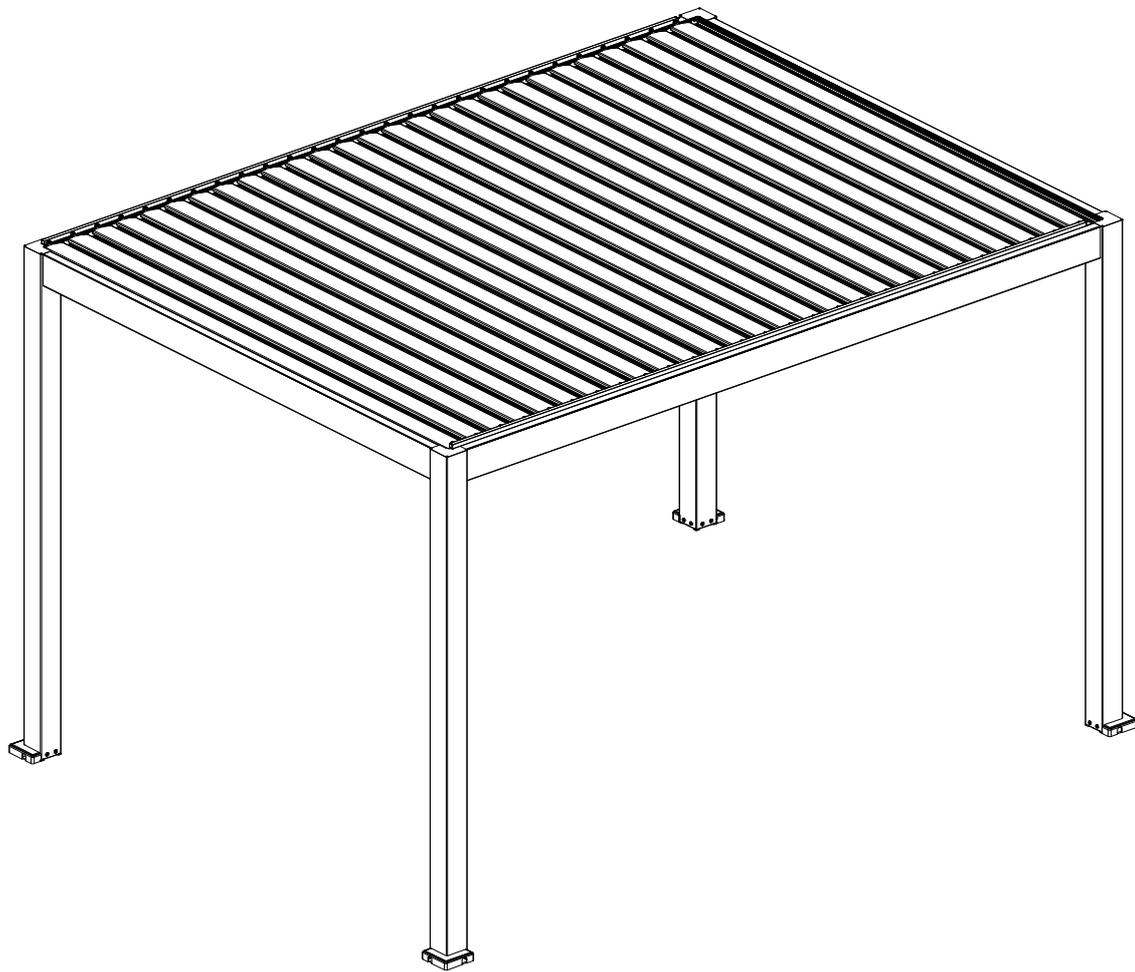


# LYRA T6 ALUMINIUM PERGOLA

## SIZE 3\*3 3\*4

### INSTALLATION INSTRUCTION



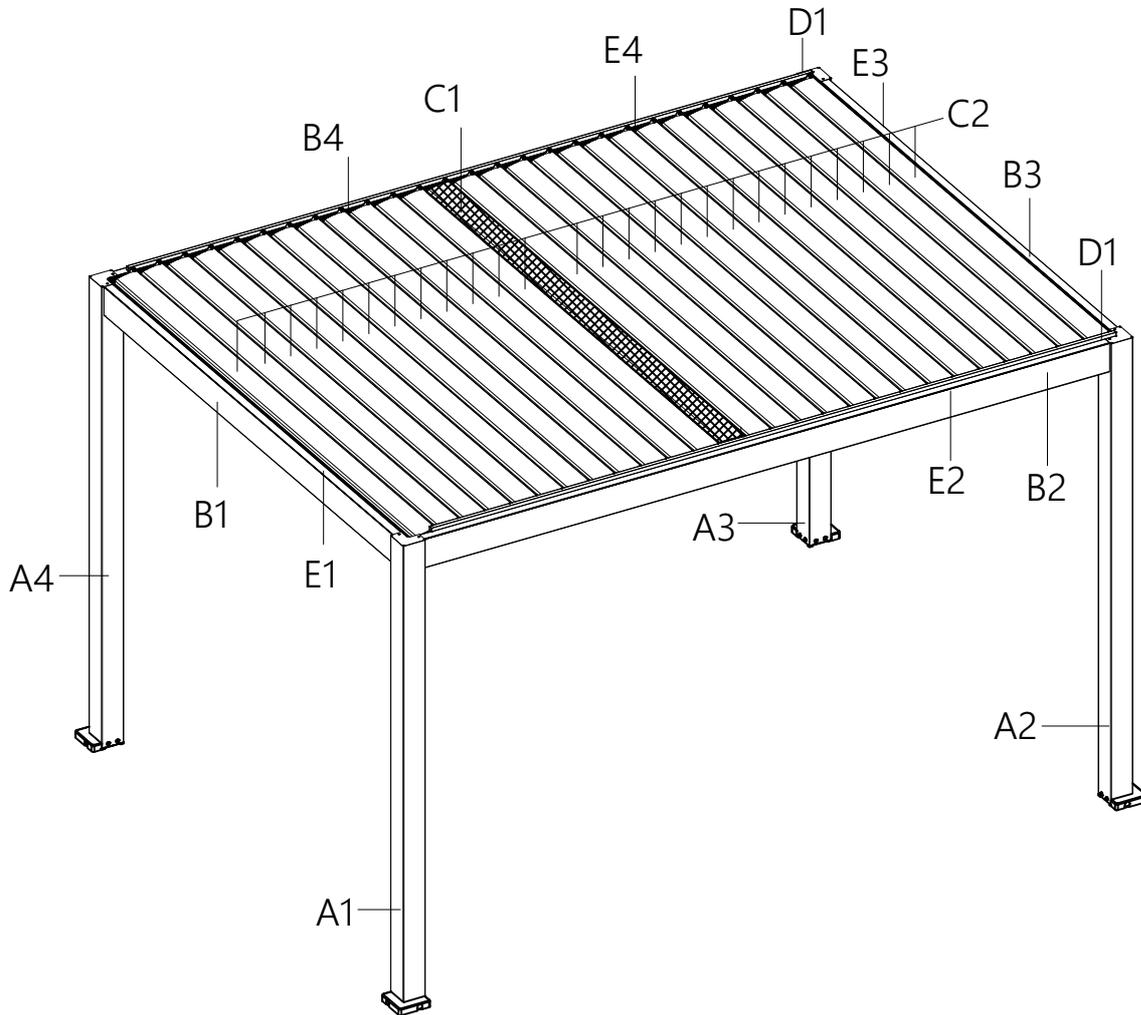
# STATEMENT

Before you start to install product ,please read below notes:

- 1.This is a general version manual .Please make sure that you review original design when place an order and read this manual several times before start to assemble the pergola .These installation steps can be referred to in this manual ,However ,other specific details such as motor position ,drainage direction etc. should be accord to the drawing of the order you placed
- 2.Please check the components list and confirm all items on the list ! Do not throw away any package until the pergola is installed successfully
- 3.Minimum 3 people are required during the installation
- 4.It needs 2 people to lift the product parts from the package ,please put the product very gentle ,it is better to cover a carpet or hard paper box on the floor to protect it from scratching
- 5.You should remove the film coated on the aluminum profiles entirely during the installation because it is difficult to remove them after explosion under hot temperature.
- 6.Please do not DIY our product and take use of the other alternative accessories when you change the original design ,that will void your warranty
- 7.We hold no responsibility for any damage caused due to human factor ,especially incorrect assembly
- 8.During the installation process, if you encounter any uncertainties, please refer to the installation instructions on the product page of the website.

Please refer to the 2D view drawing of the product before installing it, and then follow the installation steps in this installation manual

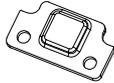
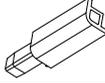
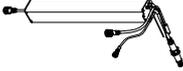
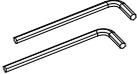
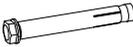
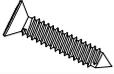
## Components



code	name	section	photo
A1	post		
A2	post		
A3	post		
A4	post		
B1	beam & gutter		
B2	beam & gutter + Motor		
B3	beam & gutter		
B4	beam & gutter		

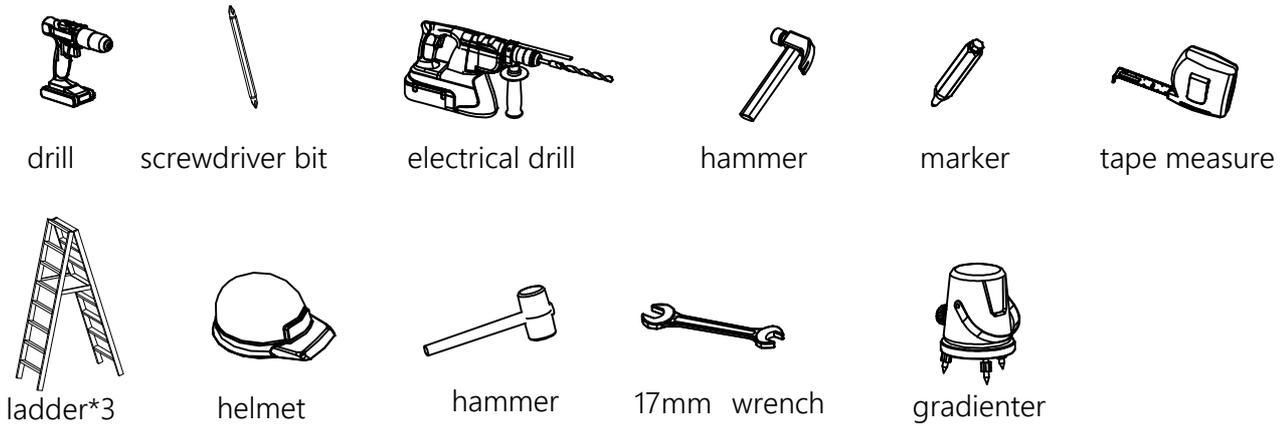
code	name	section	photo
C1	driven louver		
C2	louver		
D1	connection bar		
E1	gutter flashing		
E2	gutter flashing		
E3	gutter flashing		
E4	gutter flashing		

## Hardware

code	name	photo	remarks
1-3	base plate		
2-6	base plate cover		
3-3	post top cover		
4-11	driven louver cap(right)		
5-1	louver pivot caps		
6-1	gutter conrner insert bar		
7-3	economical transformer (single led light (dual colors)		packed in the post
8-4	remote control		
15-1	hex wrench (5mm)		
15-2	short hex wrench (5mm)		
16-1	M10*100 SUS hex expansion bolt		
17-1	SUS hex bolt (M8*14)		
19-1	M8 washer		
21-1	4*14 SUS drilling screw		
24-1	4.2*16 SUS tapping screw		
24-2	SUS tapping screw (4*20)		
27-1	∅8*M6*5 shoulder screw		

Note: Silicone sealant and installation tools are not included. Please purchase them locally.

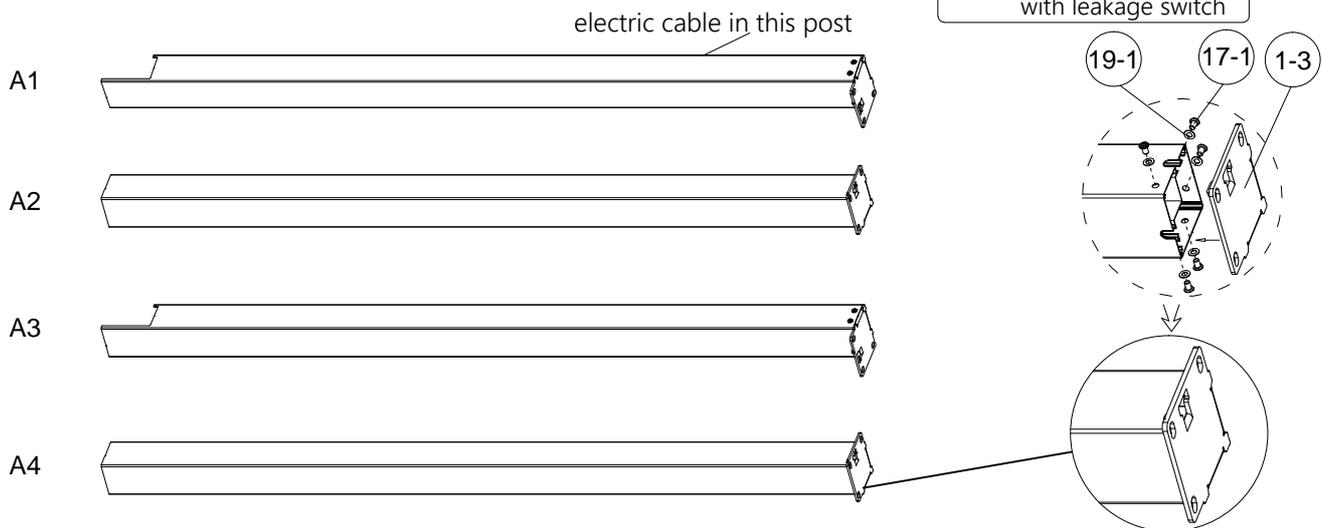
### What you need



## INSTALLATION

### Step One: Assemble the post and base plate(A1 is pergola cable position)

1.1 Insert the base into the bottom of the post and fix it with screws.

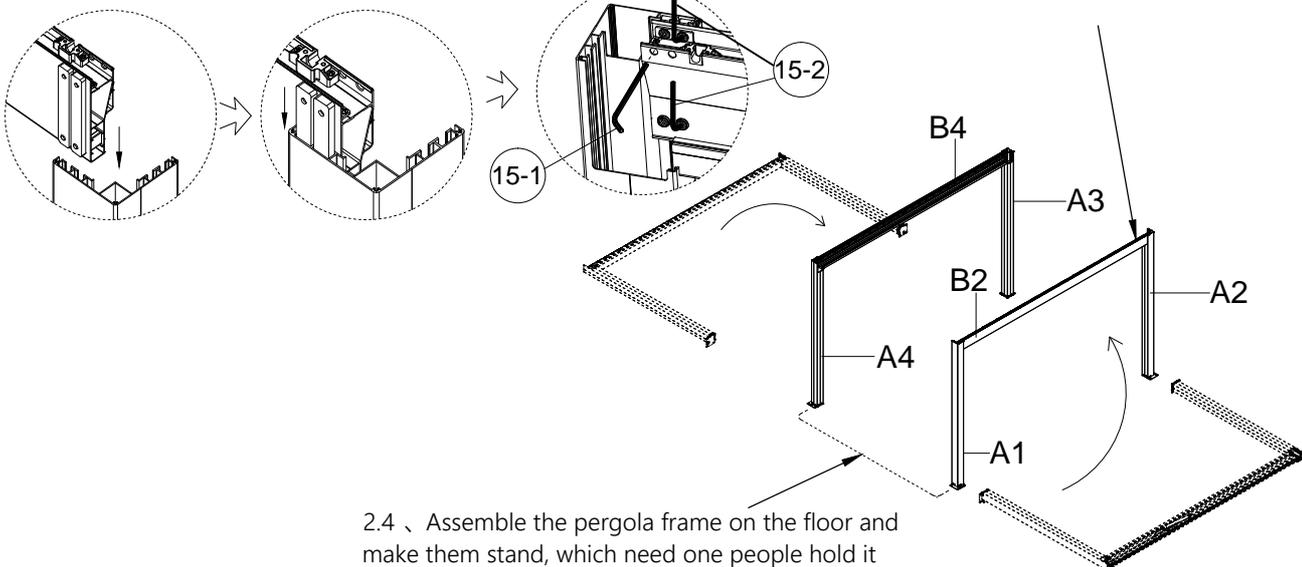


### Step Two: Assemble the pergola frame :assemble B2 B4 beam & gutter with posts first

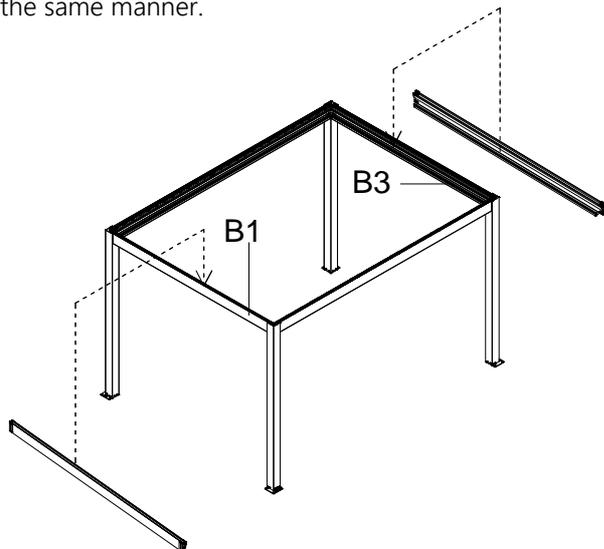
2.1 、 Insert the beam&gutter into the groove of post

2.2 、 Tighten the screws from the inside at the connection

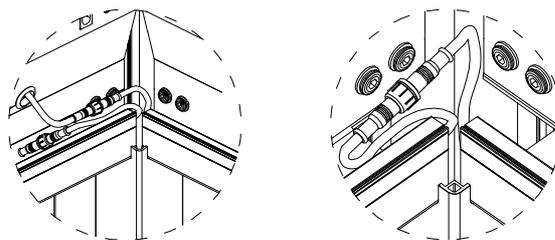
2.3 、 Fix another side gutter with the same step.



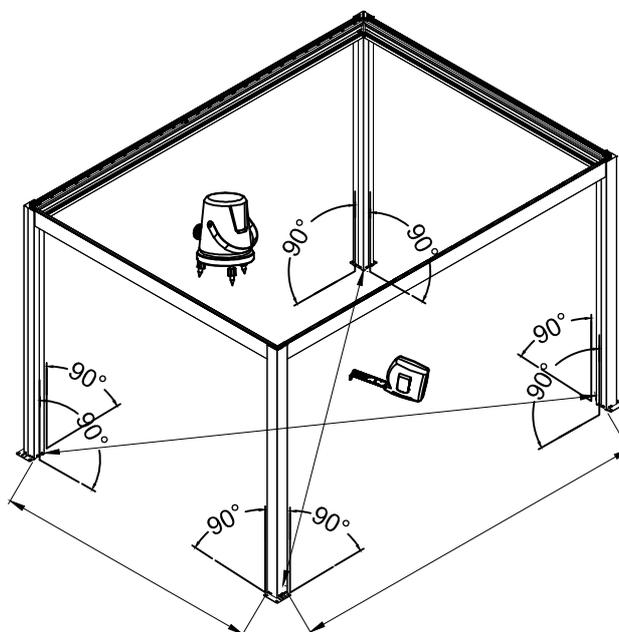
2.5、 Assemble the remaining beams and gutters B1 and B3 in the same manner.



2.6、 Connect with LED lights strip

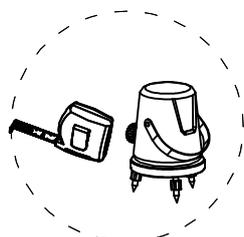


Step Three :Adjust the position of the pergola and secure the posts firmly onto the floor.

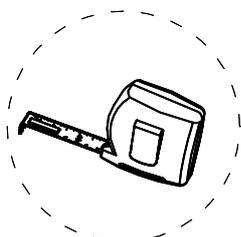


⚠ Note :

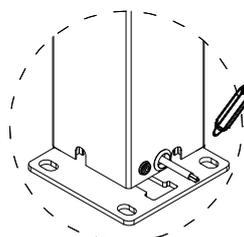
- 1.Ensure the post at correct position, and stand 90 degree with floor.
- 2.Before you fasten the screws, you should double check the pergola's position.



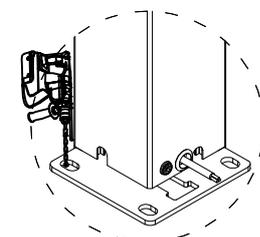
3.1、 Adjust the size and positioning(post spacing, parallelism, isometrics)



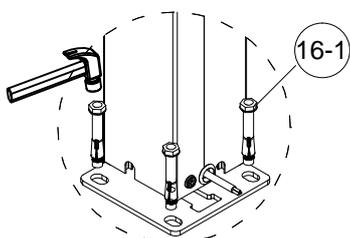
3.3、 Double check the pergola position because the frame may move during installation



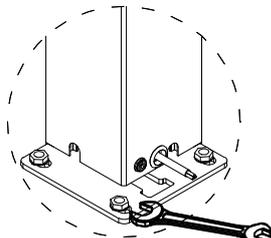
3.4 Mark the drill holes on the concrete floor



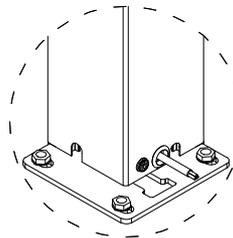
3.5 Drill bolt holes



3.6、 Stuff the expansion bolts into concrete



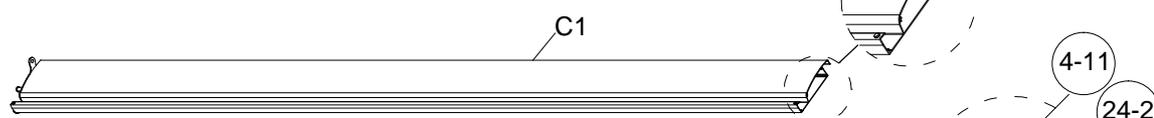
3.7、 Fasten the base plate on the floor



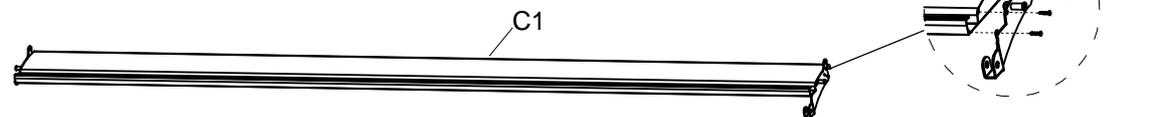
3.8、 Completed

### Step Four: Install the louvers (motorized louvers and commonly louvers).

4.1 Take out the driven louver from the package

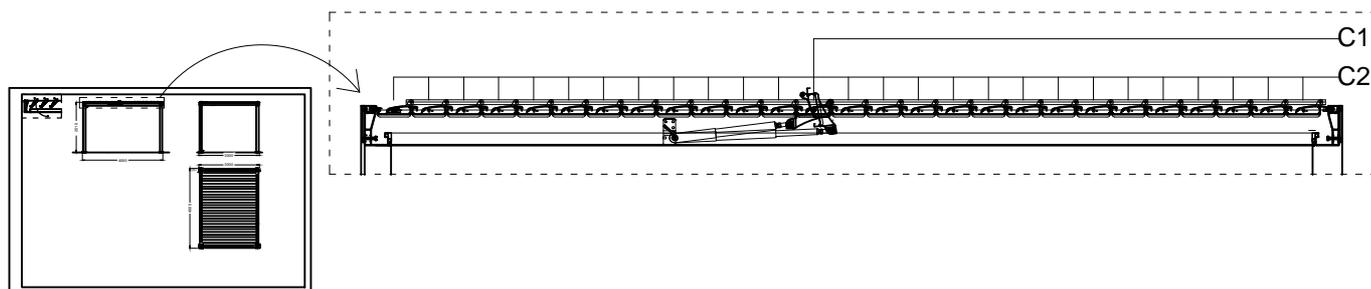


4.2 Screw the end cap of driven louver as picture

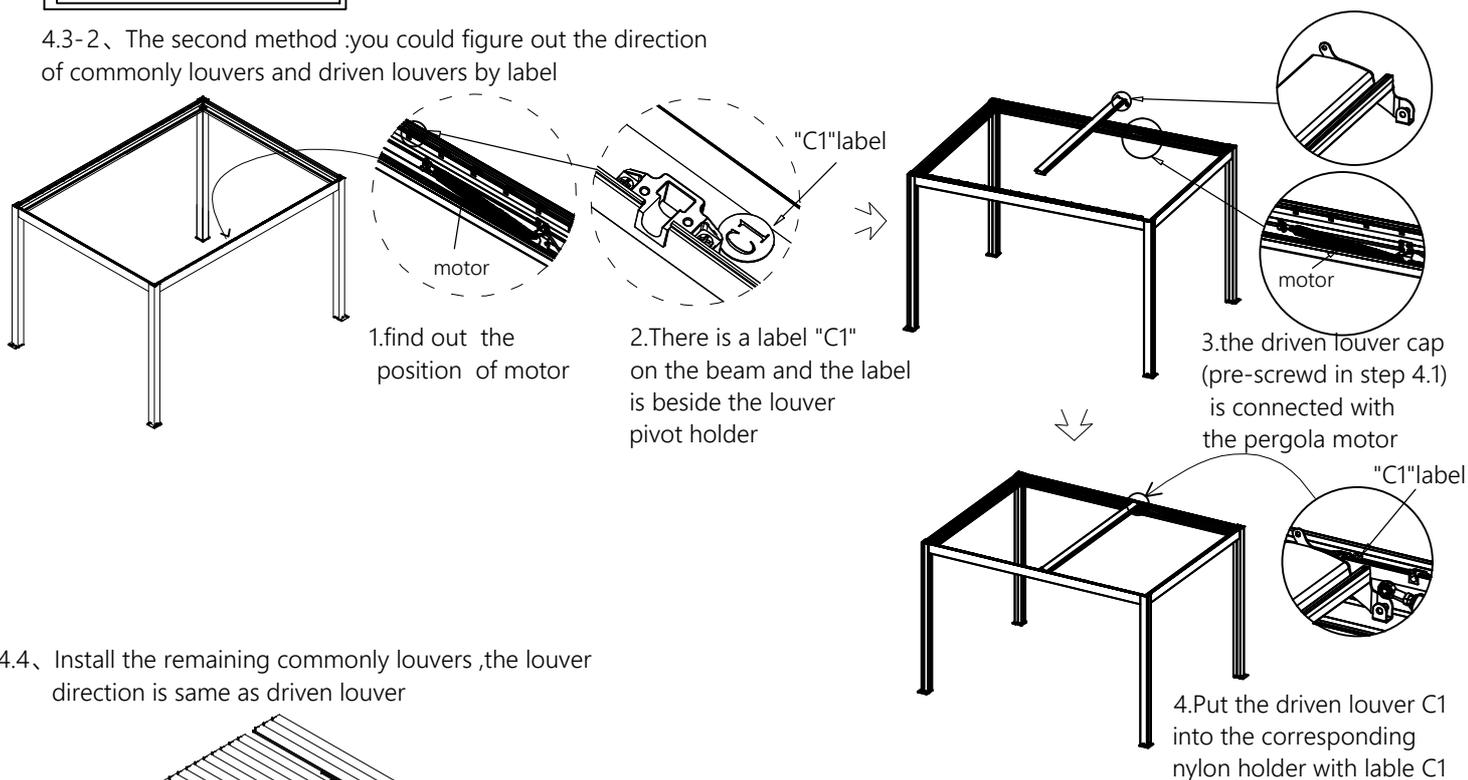


4.3、 How to figure out the pergola louvers installation direction

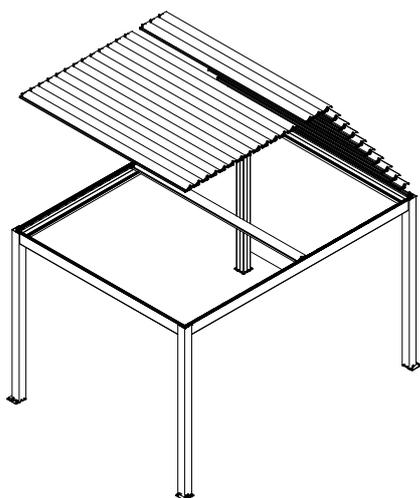
4.3-1、 The first method: You could confirm the direction of commonly louvers and driven louver C1 base on the CAD drawing



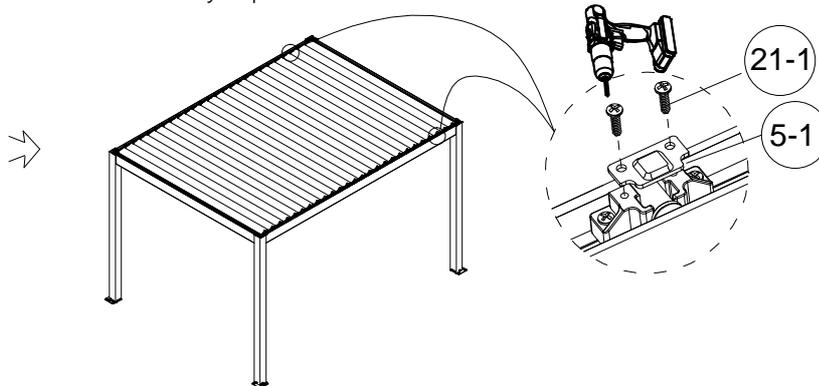
4.3-2、 The second method :you could figure out the direction of commonly louvers and driven louvers by label



4.4、 Install the remaining commonly louvers ,the louver direction is same as driven louver

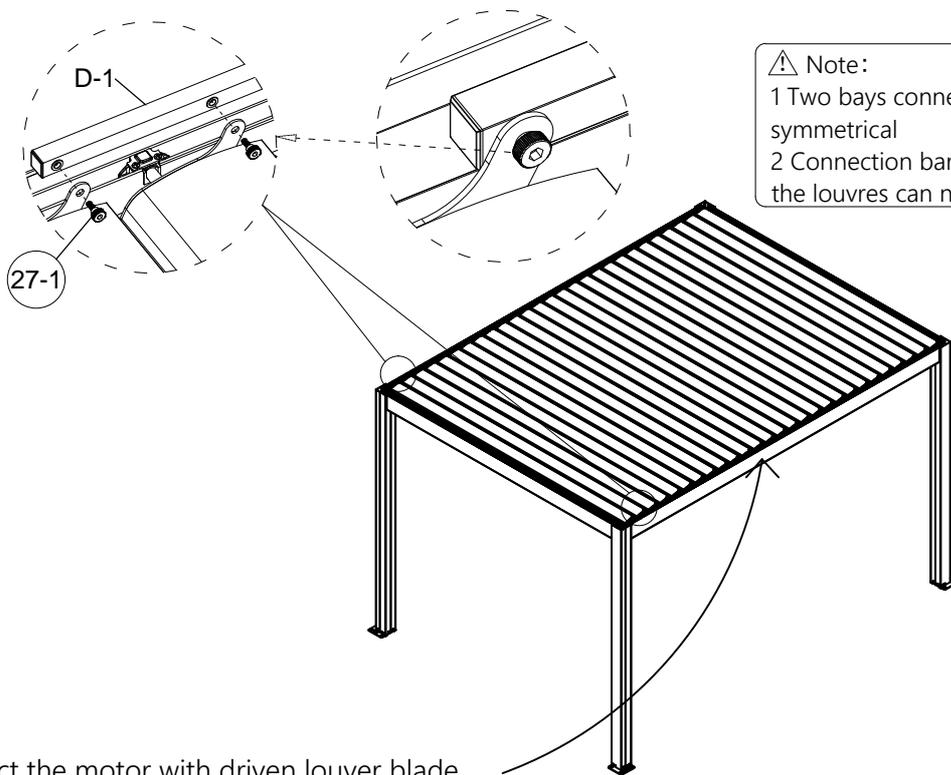


4.5、 Install the louver pivot caps once all louvers are securely in place and the orientation is correct.

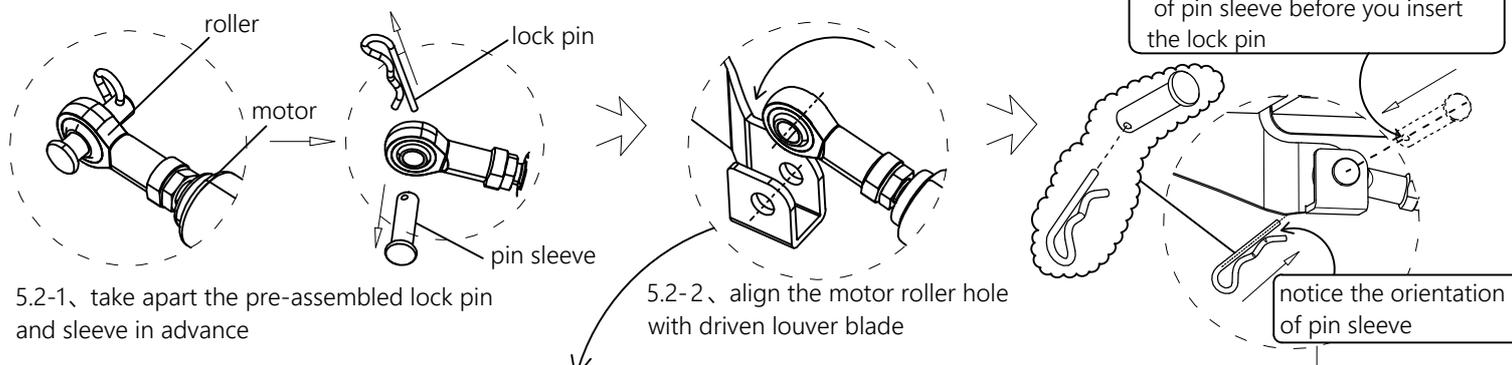


### Step five: Install the connection bar and connect with driven louvre and motor

5.1、 Install the connection bar: Fasten the connection bar with louvres from inside view



5.2、 Connect the motor with driven louver blade



5.2-1、 take apart the pre-assembled lock pin and sleeve in advance

5.2-2、 align the motor roller hole with driven louver blade

you should notice the orientation of pin sleeve before you insert the lock pin

notice the orientation of pin sleeve

There are two situations that are difficult when you install it.

Situation 1: The motor roller hole is not aligned with the louver blade, and the roller is positioned ahead

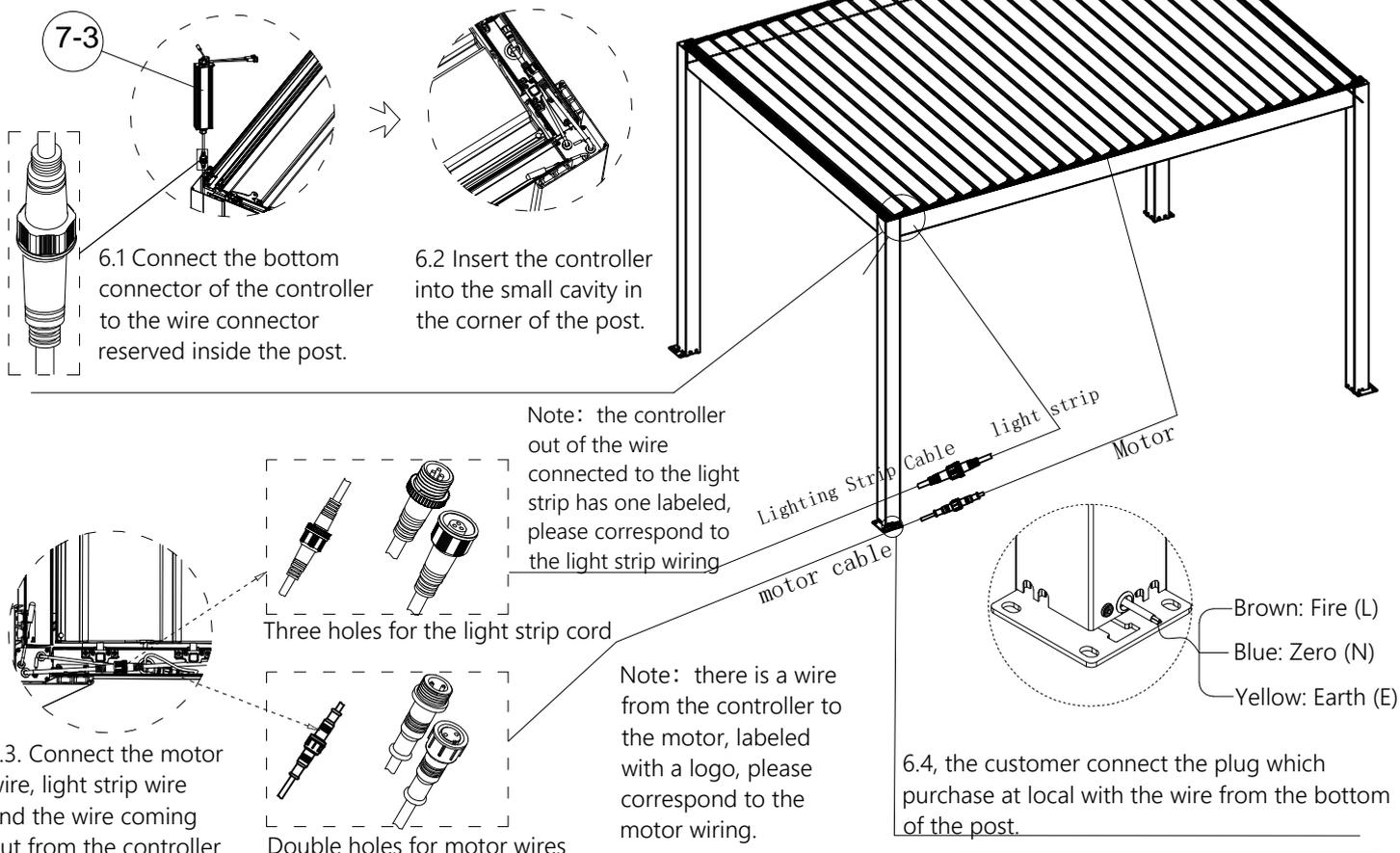
Situation 2: The motor roller hole is not aligned with the louver blade, and the roller is positioned short

nut

5.2-3、 insert the pin sleeve first and then insert the pin into the sleeve

5.2-4、 screw the nuts to fasten the motor with driven louver blade

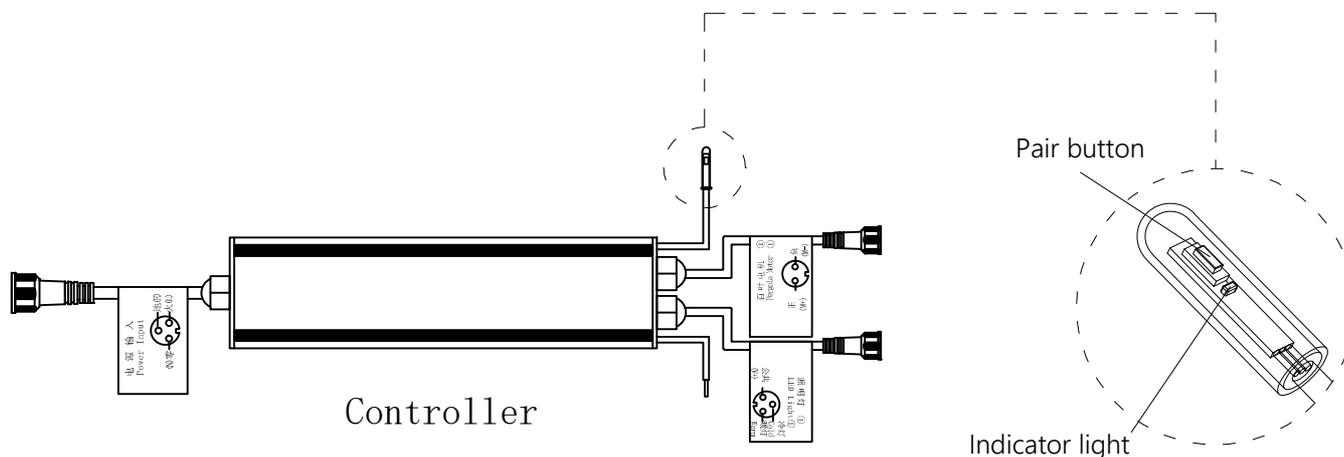
### Step six: Assemble the controller

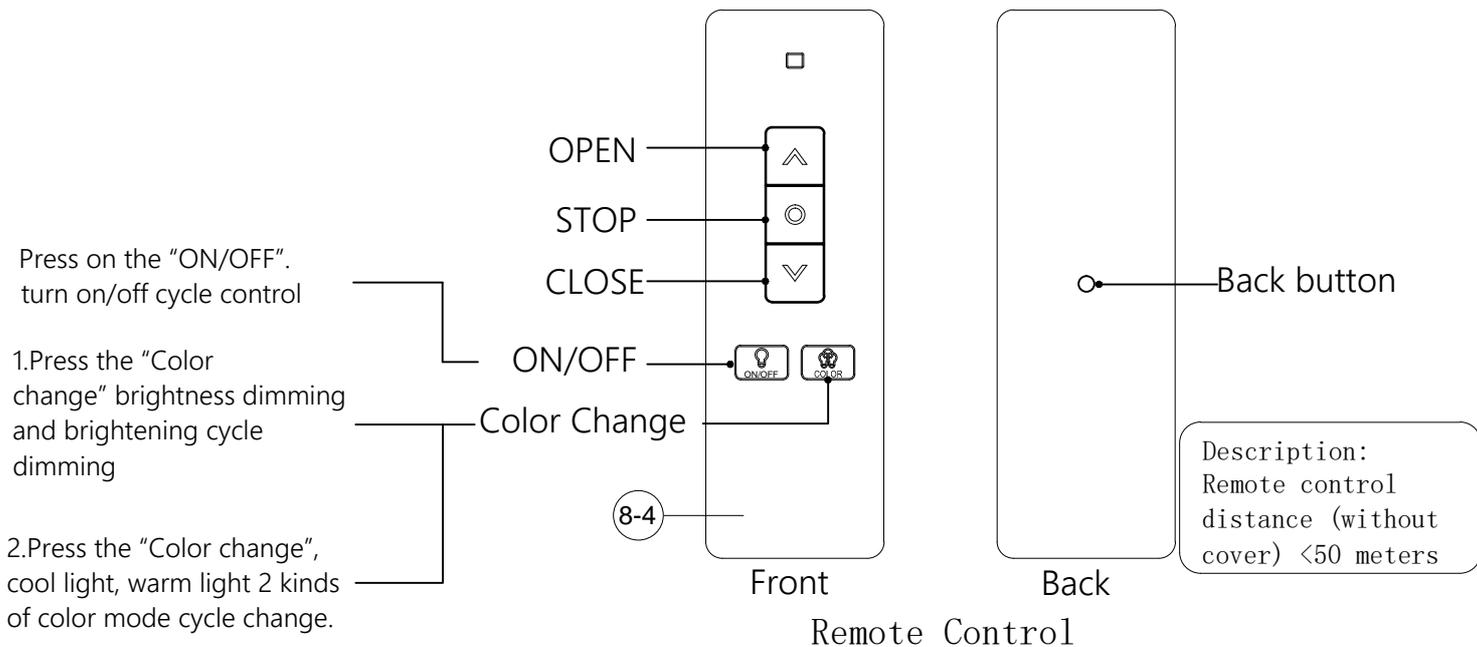


- ⚠ Note :
- 1、 Be sure to connect the wires in the order of the marking
  - 2、 Earth wire must be connected
  - 3、 Wires must be connected to the RCD.

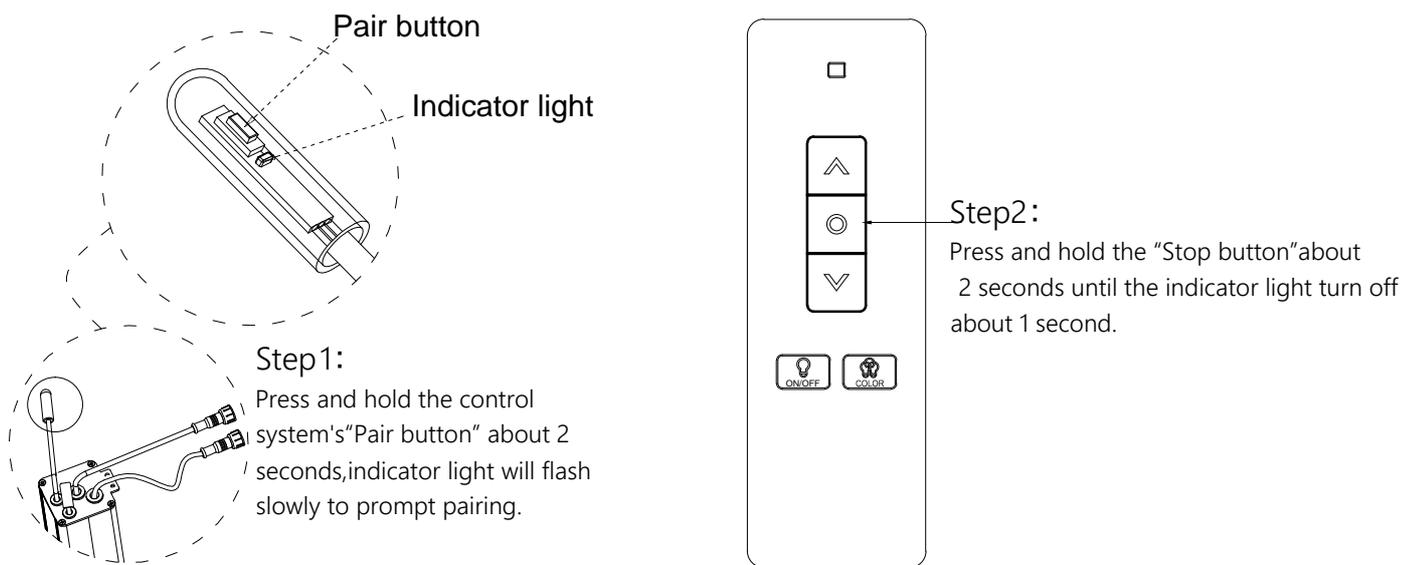
### Step seven : Remote control pair button

(Generally the factory has paired button, if there is no pair button according to this step operation )



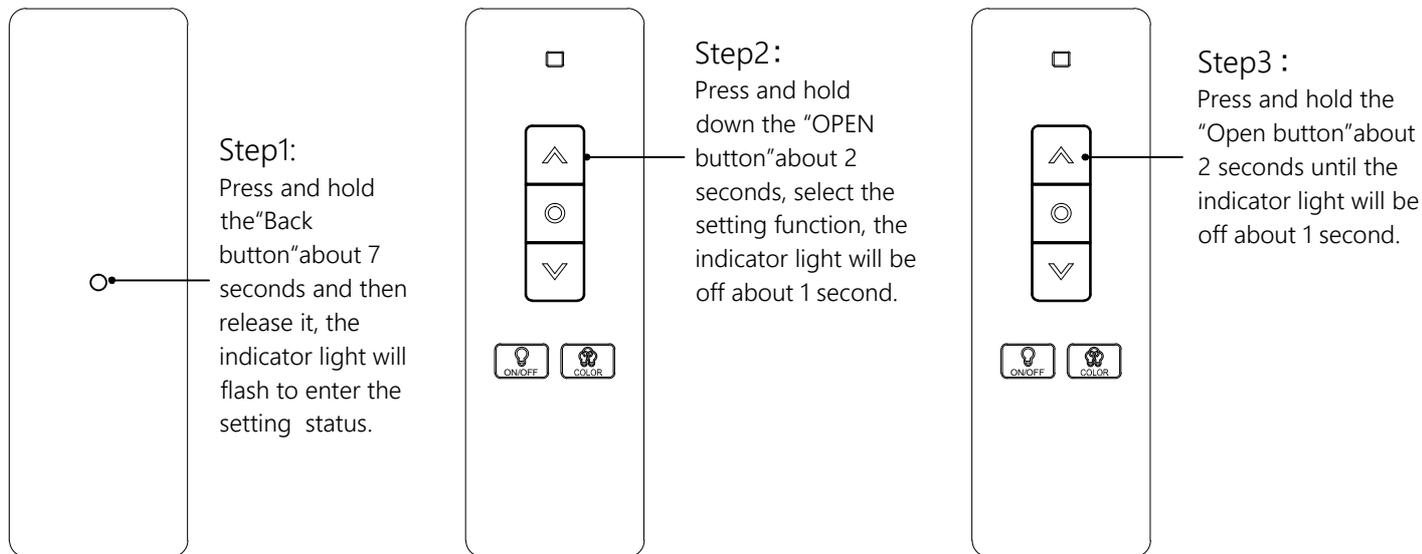


7.1 Pairing ( Quick pair button when the controller is not sealed inside the finished product )

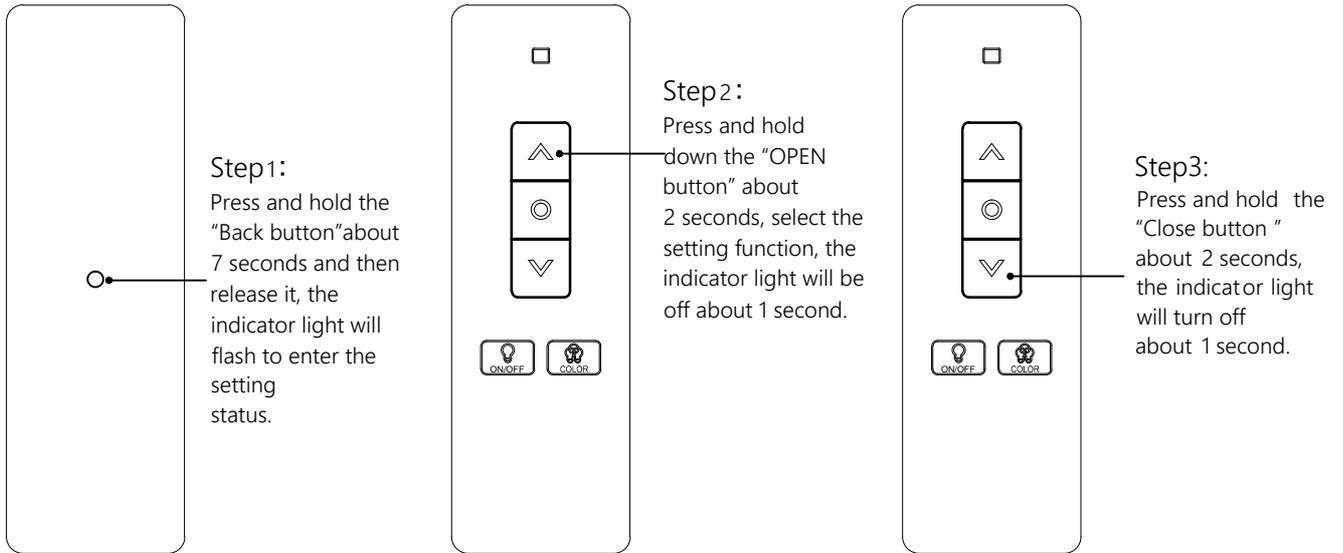


7.2、 Switching direction

Note: After installing on the finished product, if the running direction is not corresponding to the remote control, please switch the direction.



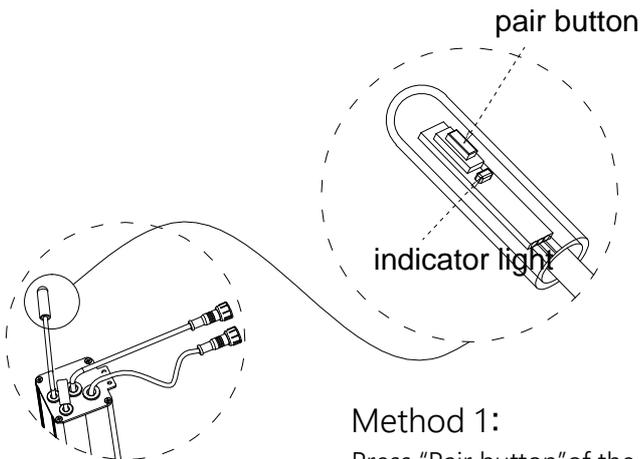
### 7.3 Delete the Remote Connected with Control System



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### 7.4. Reset

Note: All logics in the system are cleared ,restore factory resetting



#### Method 1:

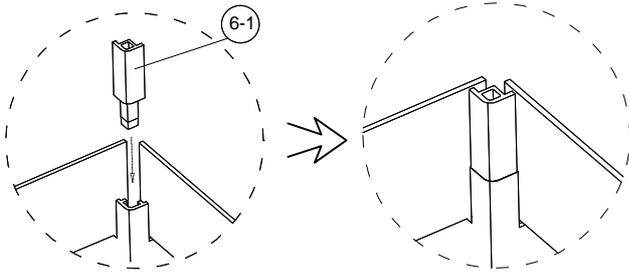
Press "Pair button" of the control system 4 times in a row quickly, and press and hold about 3 seconds for the fifth time, and the indicator light will be off about 3 seconds.

#### Method 2:

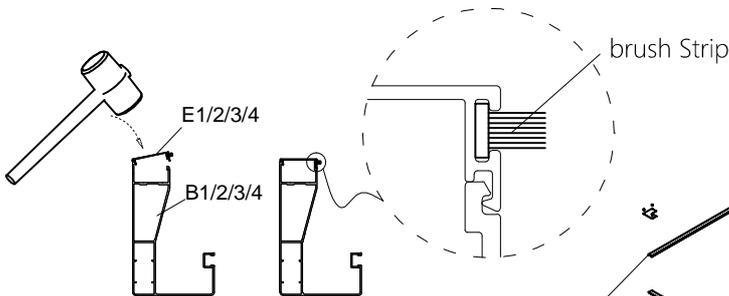
- 1) Press and hold "Back button" about 7 seconds, (for first 2 seconds, the indicator light flashes slowly to enter pairing status, and up to 7 seconds, the indicator light flashes quickly to enter the setting status).
- 2) Press and hold "Stop button" about 2 seconds to select the setting function, the indicator light will be off about 1 second.
- 3) Press and hold "Close button" about 2 seconds, and the indicator light will be off about 3 seconds.

## Step seven: install the beam&gutter flashing, post top cover and base plate cover

8.1、 Install the gutter corner insert bar

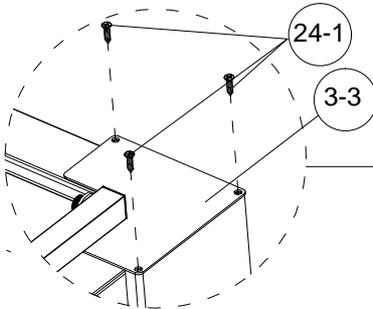


8.2、 Use a rubber hammer to tap the gutter flashing into the groove, noting that the wide hook should be positioned on the inner side.

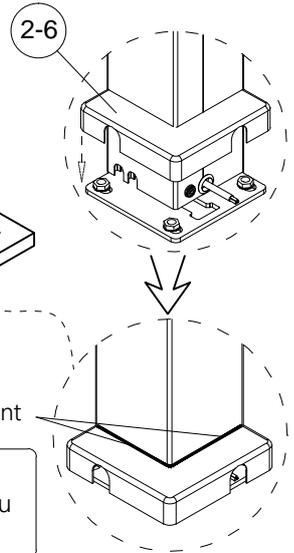


(It is easy for the cover to be knocked when the louvers are opened.)

8.3、 Install the L-shaped post plate cover at four corners.



7.3、 Install the base plate cover



Fix with silicone sealant

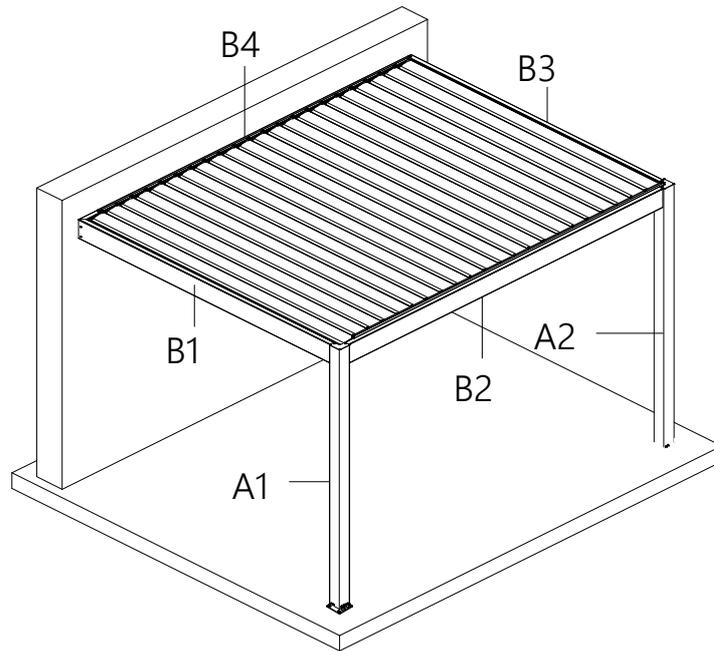
⚠ note:  
Silicone is not offered , you  
should purchase it locally

Completed

## Step nine: Check the product functions

- 9.1、 Ensure the pergola has been connected to the leakage protection switch.
- 9.2、 Check the power supply of the pergola
- 9.3、 Check the function of the remote
- 9.4、 Check whether the motor is running normally
- 9.5、 Check the LED light
- 9.6、 Check other equipments

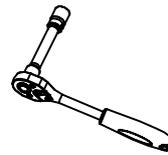
### WALL-MOUNTED TYPE INSTALLATION INSTRUCTION



#### What you need



Ø14mm drill bit

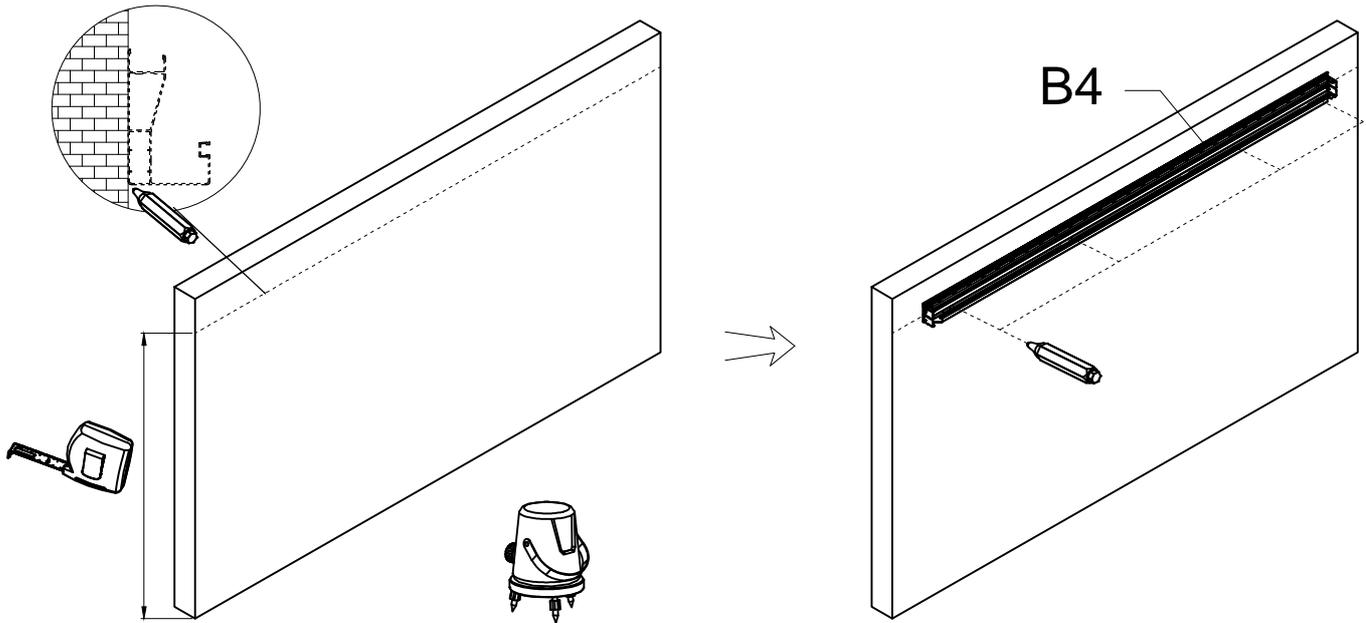


17mm wrench

#### Hardware

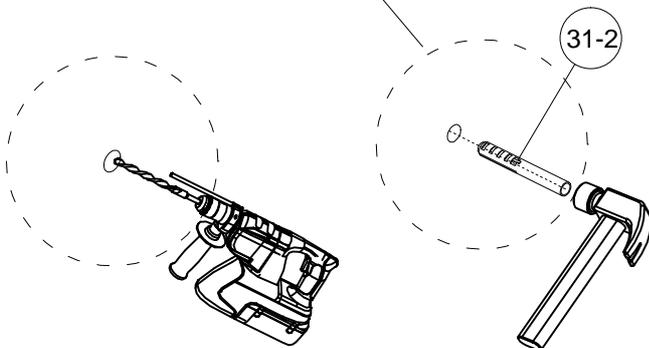
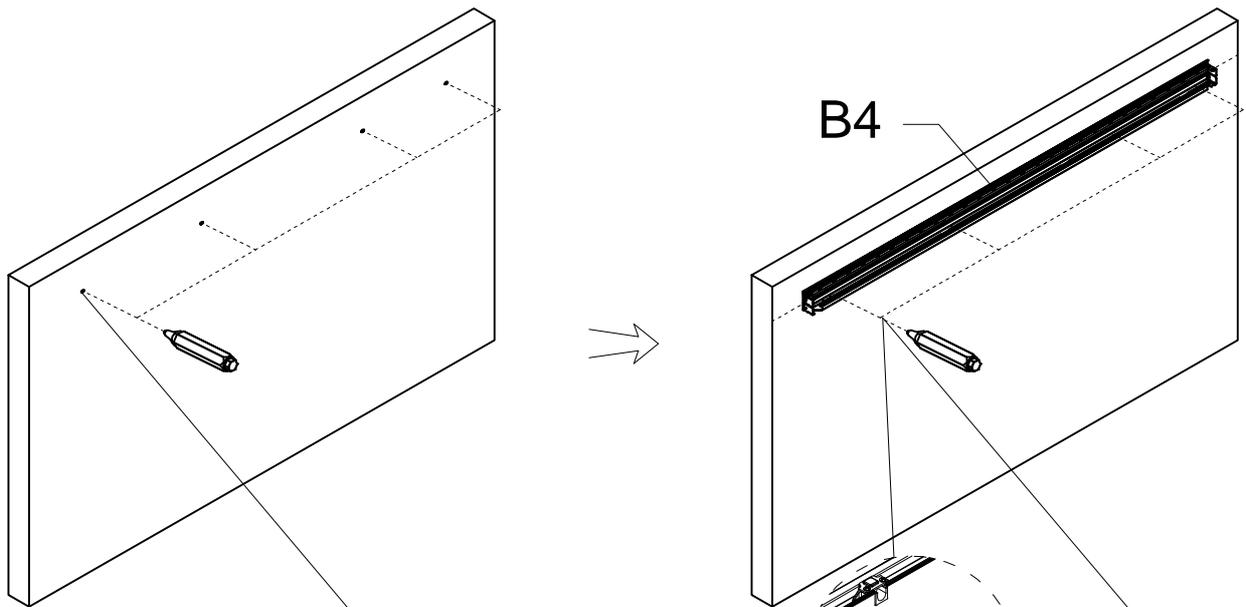
Code	Name	Picture
6-2	gutter decoration casing	
6-3	gutter decoration casing ( R )	
17-1	SUS hex bolt (M8* 14 )	
19-1	M8 washer	
19-2	M10 washer	
31-1	wood screw M10*100	
31-2	expansion plug (M14*75)	
32-1	diameter 30 cap	

### Step one: Fix the wall mounted beam on the wall



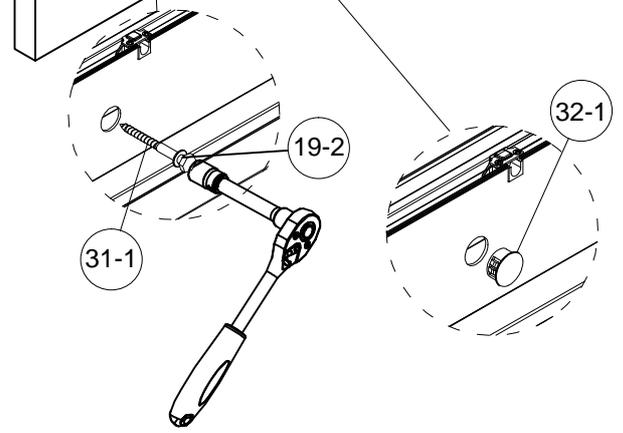
1.1、 Take use of gradienter to mark the wall mounted beam height and position

1.2、 Mark the position of the holes by aligning with the holes on the gutter. You should drill the holes in local to ensure its accurate for your house



1.3、 drill holes  $\phi 14$  on the sign pot

1.4、 Stuff the expansion plug into the holes



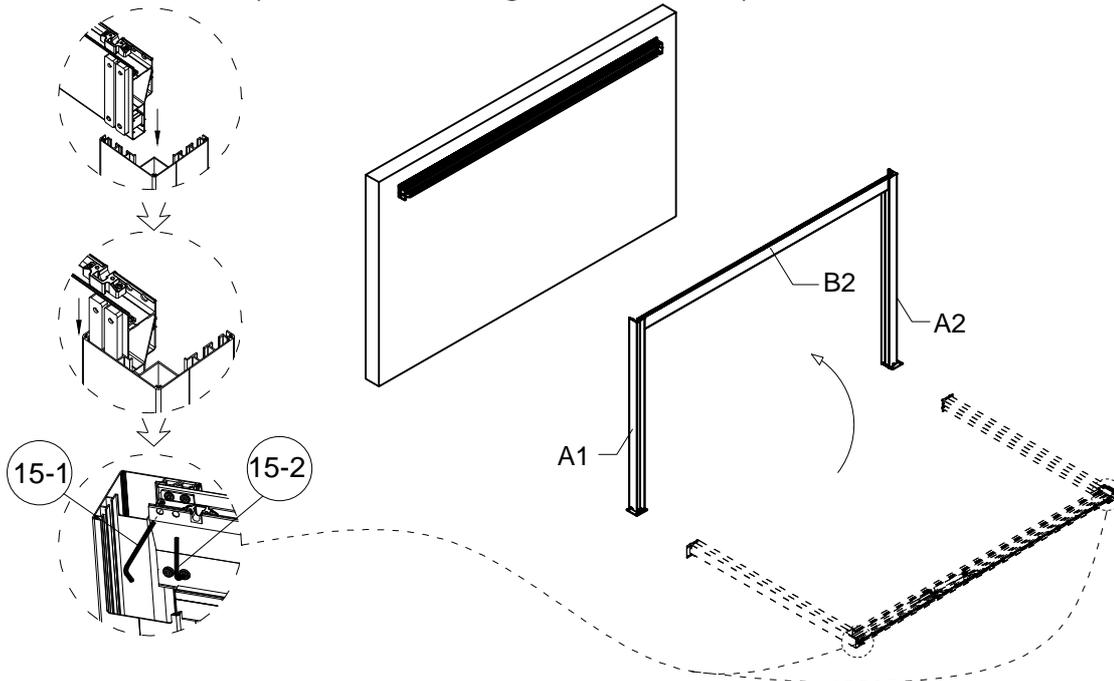
1.5、 Use the wrench to screw the beam & gutter on the wall

1.6、 Stuff the cap

 Notice:  
You should double check the position before fasten the wood screw.

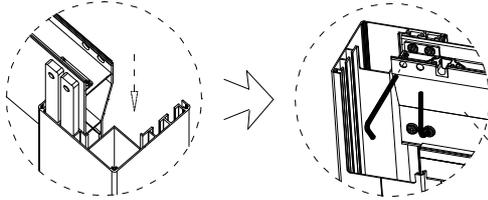
## Step 2: Assemble the pergola frame

2.1、 Combine two post with beam & gutter and lift it up

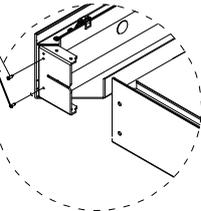


2.2、 Install the beam & gutter B1 and B3 , and install the gutter decoration casing

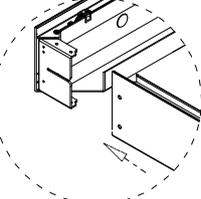
2.2-1、 Insert the beam into the post groove



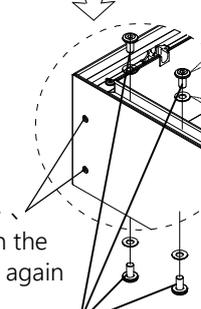
2.2-2、 Take apart these two screws first



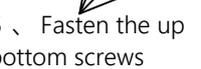
2.2-3、 Combine the beam & gutter with junction



2.2-4、 Fasten the screw again

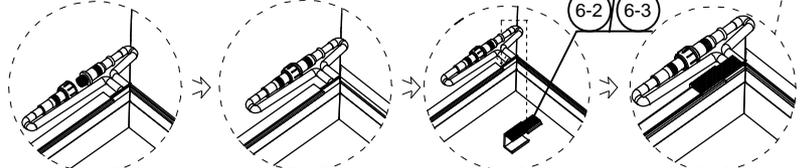


2.2-5、 Fasten the up and bottom screws



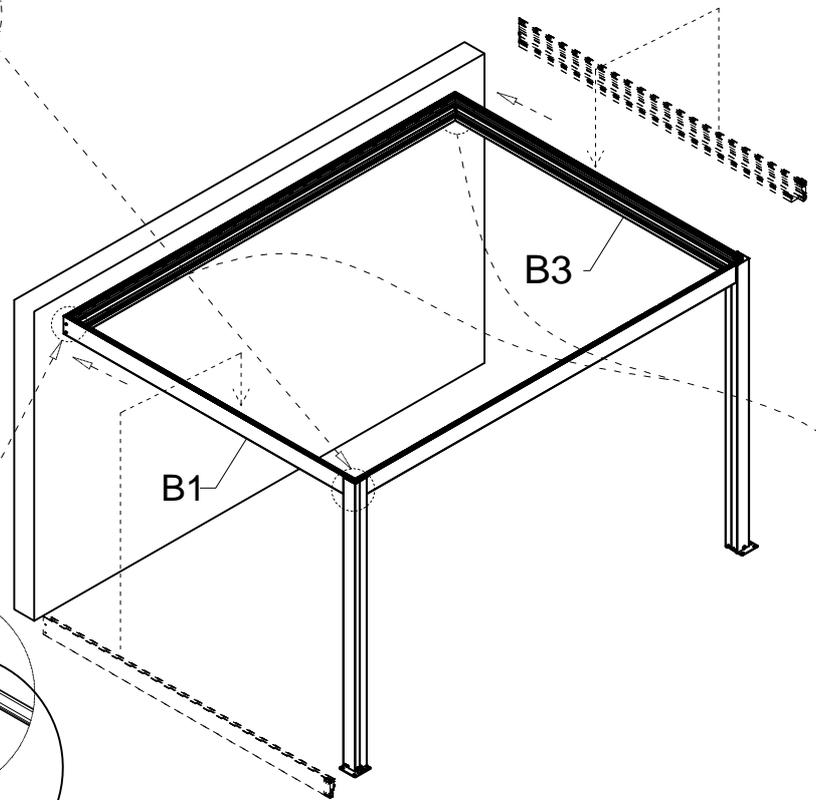
The inside connection of the beam and gutter need to place silicone

2.2-6、 Install the gutter decoration casing on the wallmounted beam & gutter



link the cable connector

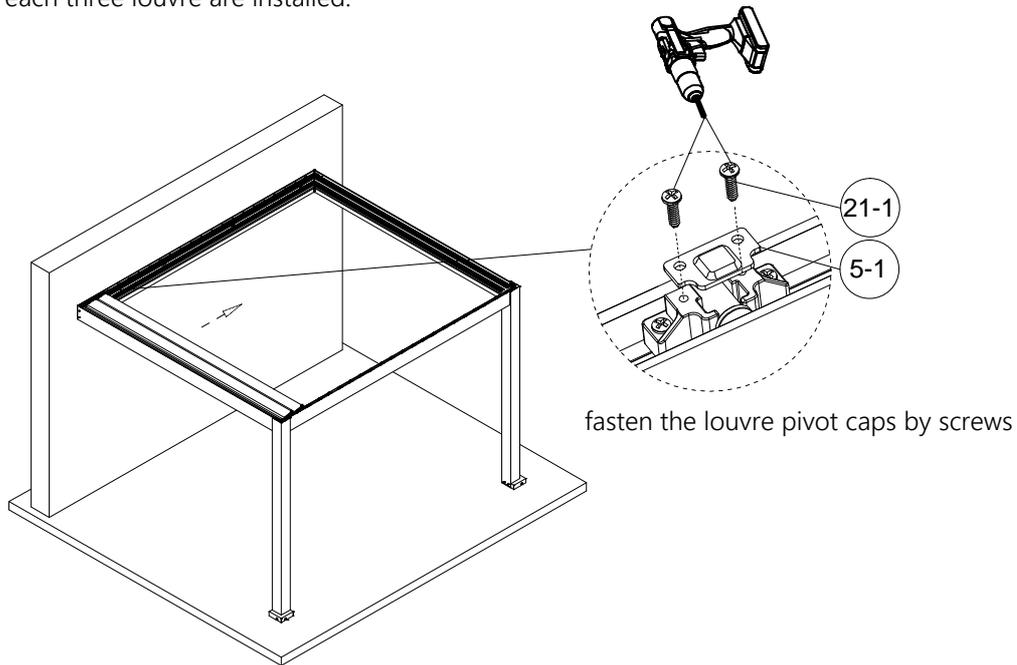
install the gutter decoration casing



## Follow the previous Step 3,4,5,6,7,8

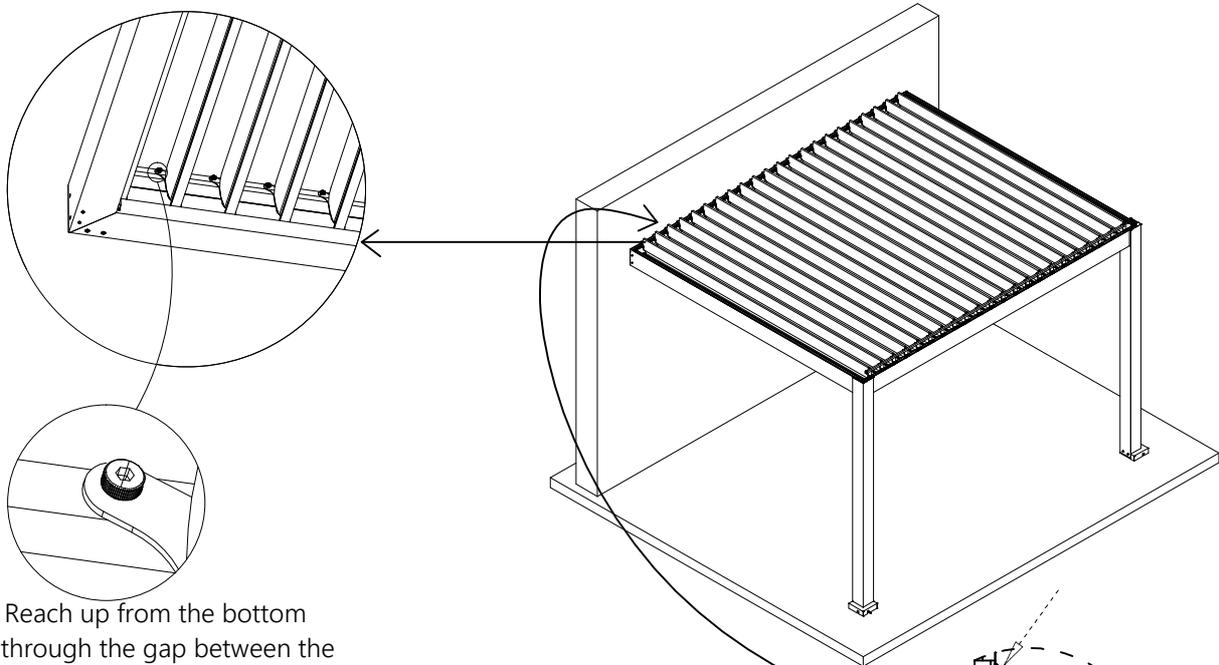
There are two steps different and should be focus on:

- 1、 When you settle the louvres (vertical to wall direction), you should install the pivot caps each three louvre are installed.



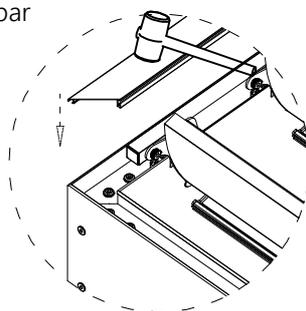
- 2、 The connection bar on the wall side cannot be installed from the side because it is blocked by the wall. First, secure one side of the connection bar, connect and adjust the motor, open the louvres, and then reach up from the bottom to tighten the screws to install the other side of the connection bar

- 2.1、 Open the louvres

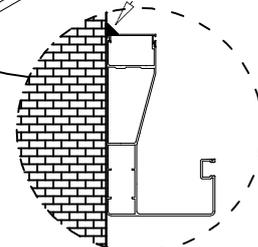


- 2.2、 Reach up from the bottom through the gap between the louvres to install the connection bar

- 2.3、 Hammer the beam flashing into position by using a rubber hammer through the gap between the louvres



- 2.4、 You should apply silicone sealant on the gap of wall mounted beam

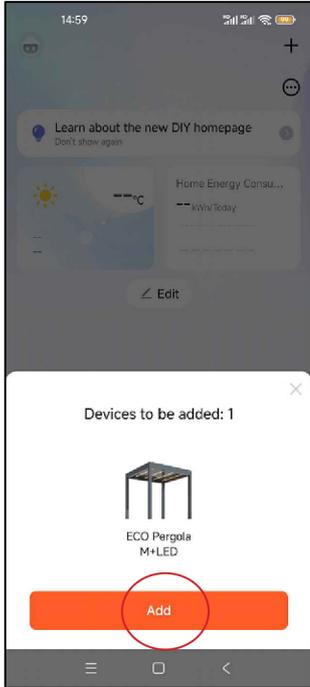


# HOW TO PAIR TUYA APP

Step One :Clik open TUYA app

1. Prepare a public wifi for the pergola
2. Open the phone bluetooth and TUYA app

⚠ Tip:  
it needs 2.4GHz wifi



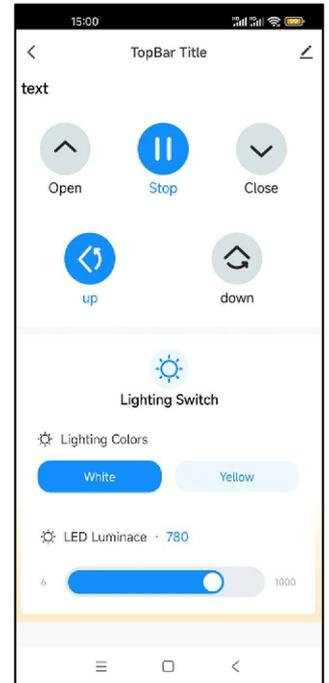
When you open the Tuya app, the 'Add Pergola' button will automatically appear on your mobile screen



Enter the WLAN password



Click 'Done' when you have successfully added it.

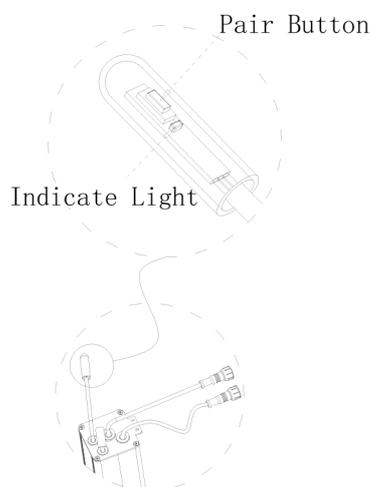


Operation screen

3. How to delete the APP control



TUYA APP control screen



Press and hold the pair button about seven seconds until the indicate light turn off one second

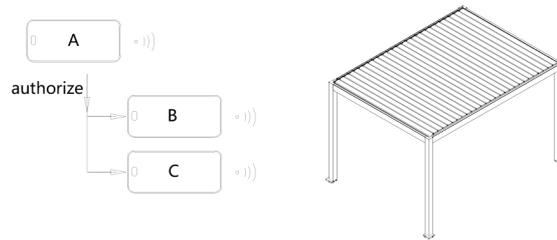


Refresh the app control screen, and you will find that the pergola has been deleted

# How to authorize account to your family members

## TUYA APP

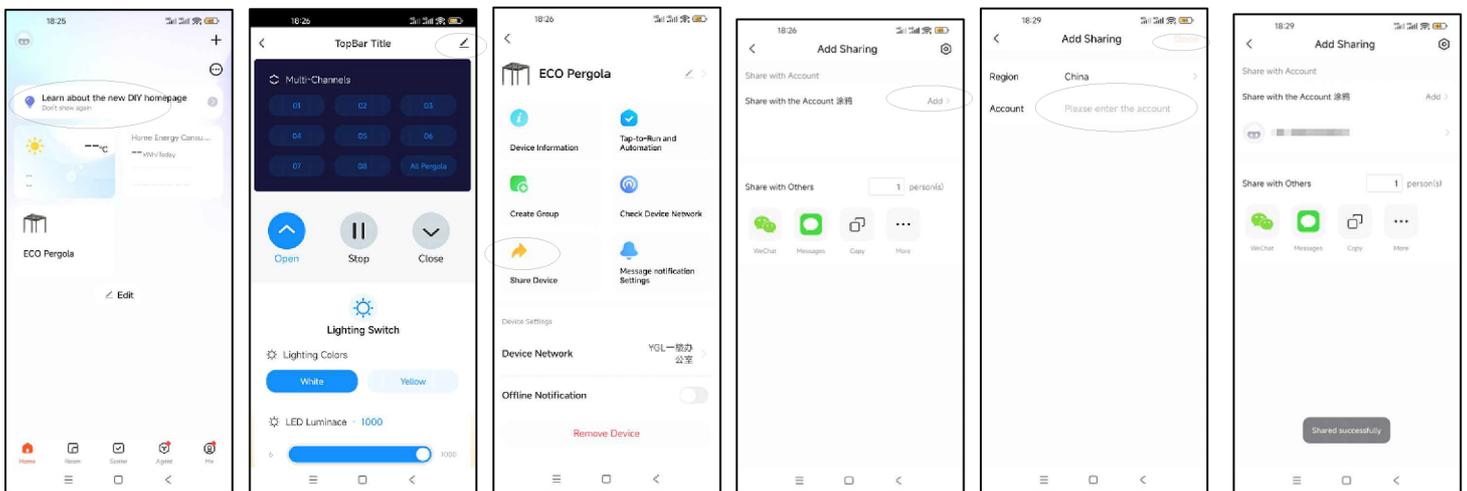
When you connect to tuyu app successfully ,you can share the account to your family members



### Tips:

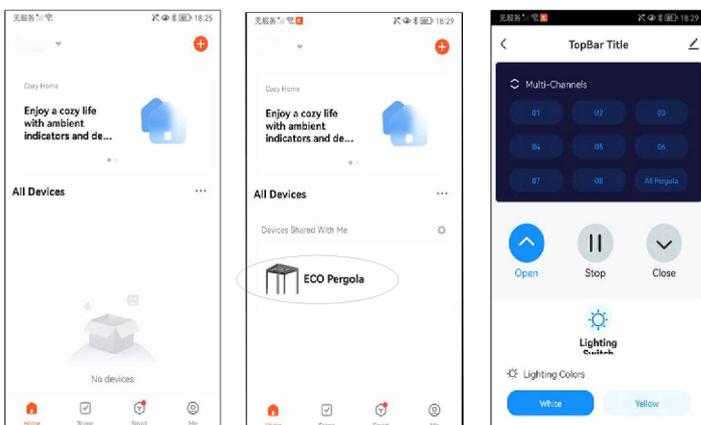
- 1.The owner's phone (A) connect to pergola , he can operate the pergola by his phone A.
- 2.The the other family members also download TUYA app and singn in.The account for logging into the app should be linked to a mobile phone number or accessed using a mobile phone number.

## 1.Create a family group in the phone (A)



- 1.1、 click"pergola"
- 1.2 click "setting"
- 1.3、 click"sharing the device "
- 1.4、 click "add"
- 1.5、 input the account you want to share
- 1.6、 success

## 2. The other family members accept the invite on their Phones



- 2.1、 shortsreen of invitee
- 2.2、 click the invited pergola
- 2.3、 completed shortsreen

# Trouble Shooting

problem	solutions
The motor and lights do not work	<ol style="list-style-type: none"><li>1.Verify if the cables are connected correctly.</li><li>2.Check if the pergola has an available voltage of 110V or 220V.</li><li>3.Confirm if the remote has been programmed to match the control system.</li><li>4.Check if the remote battery is working.</li><li>5.Verify if the control system has power output.</li></ol>
Blade cannot be opened	<ol style="list-style-type: none"><li>1.Verify if the motor is functioning properly.</li><li>2.Check if the connection bar has been installed successfully.</li><li>3.Confirm if the driven louver is securely attached to the motor.</li></ol>
Leakage at the ceiling fan position	<ol style="list-style-type: none"><li>1.Verify if the connection has been properly sealed with silicone sealant.</li></ol>
The remote does not work	<ol style="list-style-type: none"><li>1.Re-synchronize the remote with the transformer.</li><li>2.Verify that the remote battery is available and functional.</li></ol>
can not link to APP	<ol style="list-style-type: none"><li>1.Ensure that you have read the manual for connecting the Tuya app.</li><li>2.Before attempting to connect again, you should remove the previous phone's record from the system.</li></ol>

# Maintenance and Repair

## Caring for Your Pergola

Maintaining the original appearance of your pergola requires cleaning the surface annually. The thermosetting powder coating on the product's surface is susceptible to:

1. Physical abrasion, hard impacts, extrusion, and exposure to chemicals, including alkaline and acidic solvents.
2. Natural elements like wind, rain, snow, and prolonged exposure to sunlight.

## Cleaning Your Pergola:

1. Avoid using scouring pads, cream cleaners, abrasive sponges, iron wire balls, or colored cloths.
2. Recommended materials: Soft sponges, lint-free soft cloths, cotton wool, cotton, or non-woven fabrics (white only).
3. Steer clear of corrosive products such as acidic or alkaline cleaners. Instead, wash with water of a lower PH value and wipe with a cloth to maintain cleanliness.
4. When using high-pressure equipment, be mindful of distance, nozzle type, water temperature, and pressure to avoid damage.

## Reminder for Use:

After installation, please ensure the screws are tightened and check them at least once a year.

1. Regularly inspect sealing components to prevent leaks.
2. Clear debris like fallen leaves from the pergola to prevent drainage pipe blockage.
3. Usage Limitations: While the waterproof system provides protection, it does not guarantee complete waterproofness. Heavy rain and strong winds may cause damage, which may not be covered by the warranty.

# A letter of thanks

Dear customer

I would like to take the opportunity to thank you for your patronage and purchasing our products .I assure you have purchased the perfect louvre pergola for you.Our team hopes you love our louvre pergola and share happy time with your family members and friends .

At our company, we prioritize customer satisfaction above all else. We warmly welcome your feedback, suggestions, and requests as they are invaluable in helping us enhance our services. Your opinions and comments are greatly appreciated and play a crucial role in our continuous improvement process. We would be delighted to hear your thoughts on our products. Please feel free to leave reviews on our website or reach out to us directly.

Thank you once again for choosing us, and it is our pleasure to serve you. If you have any questions or clarifications, please do not hesitate to contact us.

Gratefully