

Installation Guide

For 4X4m Pergola

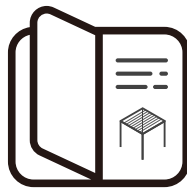
Free-standing



Hygge

pergola

We appreciate your purchase of our Pergola.



Instruction Manual

This guide will give you step-by-step instructions on how to assemble and care for your pergola, ensuring it lasts for years of enjoyment and reliable use.

IMPORTANT:

Warning: Safety Instructions

For the safety of individuals, it is crucial to follow these instructions. Please retain them for future reference.

Children and individuals with disabilities or limited experience may use the appliance if they are properly supervised or trained and understand the potential risks.

Children should not be allowed to play with the appliance. Cleaning and maintenance tasks should only be performed by children under supervision.


This pergola is designed for outdoor residential use, providing protection from direct sunlight, glare, and heat.

Any use or modification not outlined in this manual is considered improper and could pose significant risks to both users and property. Such actions will void the product warranty.


BEFORE THE INSTALLATION

PREPARE ALL THE NECESSARY TOOLS


To assemble your pergola properly and safely, make sure you have the following tools and accessories on hand, as these are not included.




2 step ladders




Protective gloves




Hexagonal spanner/wrench set




Phillips screwdriver




Hammer




Tape measure




Hard hat




Box cutter




Hammer drill



Spirit level



Cordless screwdriver



Scissors

CHECK FOR MISSING PARTS:

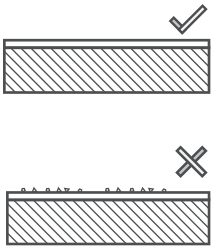
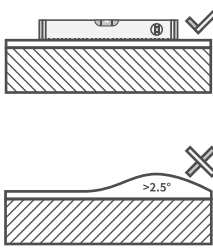
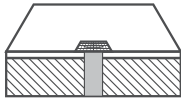
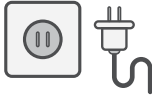
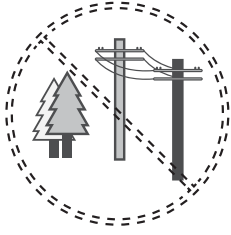
Before starting the installation, verify that you have all the necessary parts to assemble your e-Motion. Double-check that the quantity of parts matches the model you purchased.

If any parts are missing, please reach out to customer service before proceeding with the installation.

PREPARE THE PARTS FOR EACH STEP:

In the Installation section of the manual, each step specifies the parts and quantities needed. We recommend gathering the necessary parts ahead of time for each step. This will help save you time and make the assembly process smoother. To avoid damaging the painted surfaces, place the parts on cardboard or another soft surface if possible.

CHOOSE AN APPROPRIATE LOCATION:

				
The ground should be solid and level.	The ground must be flat and even.	Ensure there is adequate water drainage in the area.	Make sure the location has easy access to power, if needed	Avoid areas with overhanging trees or powerlines.

WARNING:

Many terraces or patios are built with a slight slope to direct rainwater away from the house or other structures. For proper pergola installation, a completely level surface is required. Small pebbles or uneven ground may prevent the pergola from being securely anchored.

If the pergola is installed on an uneven surface, it may affect the performance of accessory components and could void the product warranty. You may also need to adjust the height of the pillars for proper installation.






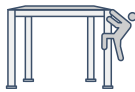

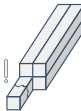
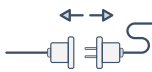
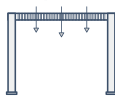
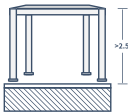



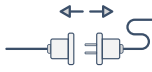


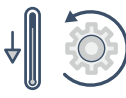
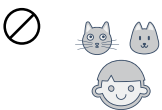

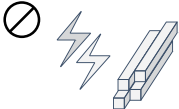

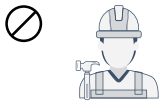

PREPARE THE FOUNDATION:

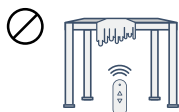

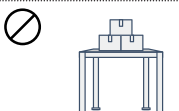
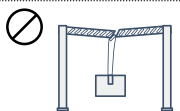


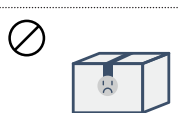
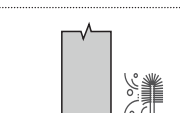

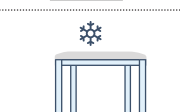
To get your foundation ready, make sure to:

- Check for underground pipes and cables (call local relative authorities before digging).
- Verify with local authorities if any building permits are necessary.
- If you're opting for a concrete base, consult with a reputable contractor.

IMPORTANT SAFETY SUGGESTIONS

To ensure the safety of everyone involved in the installation and use of the pergola, it is essential to follow the safety guidelines listed below.

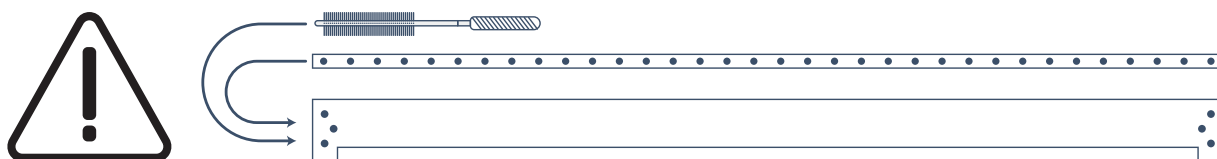
	The pergola must be placed and secured on a flat, level surface.		Always wear suitable work shoes, gloves, and eye protection during assembly.
	When using power tools or a ladder, always adhere to the manufacturer's safety instructions.		Always wear protective gear to minimize the risk of injury in case of a fall.
	Ensure the pergola meets local building regulations and codes.		Do not step on the louvers.
	Use only ladders and scaffolding that can support the required weight.		Visually inspect the pergola for damage prior to each use. If damage is detected, stop using it immediately and reach out to authorized personnel to fix it.
	Remove any excess cords and disconnect any non-essential equipment before installing the drive.		To avoid damage, set the louvers in the vertical position during snow or windy conditions.
	Unprotected moving parts that pose a hazard should be installed more than 2.5 meters above the floor or any surface that could allow access to them.		Always use replacement parts that are approved by the manufacturer.
	To avoid damage to the pergola, ensure that foliage or foreign objects on the louvers and in the guide rails are removed frequently.		Only certified personnel are authorized to carry out electrical installation, following the relevant regulations.
	Disconnect all electrical connections from the mains prior to installation.		Operate the pergola remotely only when you can see the moving parts clearly.
	Only a licensed electrical contractor should install the power sources for electric pergolas.		If the motor undergoes repeated open-close cycles, it may enter overheat protection mode and will return to normal once it cools down.
	Keep children and pets away from the assembly area until the installation is fully completed.		Dispose of all plastic bags responsibly and keep them out of reach of children.
	Keep a safe distance from power lines, especially when handling metal parts.		Avoid assembling the pergola in windy or wet conditions.
	In the event of a damaged supply cord, only the manufacturer, a service agent, or similarly qualified personnel should replace it.		Do not store hot items, such as recently used grills or blowtorches, under or near the pergola.

	To prevent damage to the louvers' drive, do not operate the roof mechanism in the presence of frost or ice.		Keep clothing and body parts clear of the pergola to avoid them becoming caught in the moving parts.
	Keep items off the louvers.		It is not allowed to hang objects on the pergola, as it may result in serious damage.
	Before making any modifications to the design or configuration of the equipment, consult the manufacturer or an authorized representative.		Keep children away from the fixed controls and ensure remote controls are out of their reach.
	The warranty will be voided, and the operating mechanism may be damaged if non-original branded accessories are installed.		Please keep the drainage holes of the column clean by brushing them regularly with a soft brush.
	We guarantee the resistance of the pergola for winds up to 80km/h		We guarantee the resistance of the pergola for a maximum snowweight of 50kg/m2

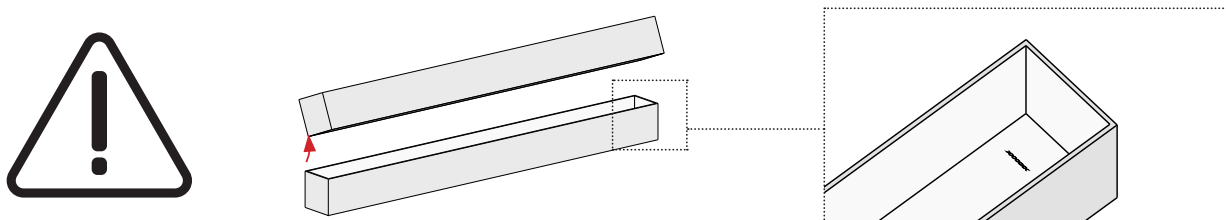


2 PERSONNEL REQUIRED

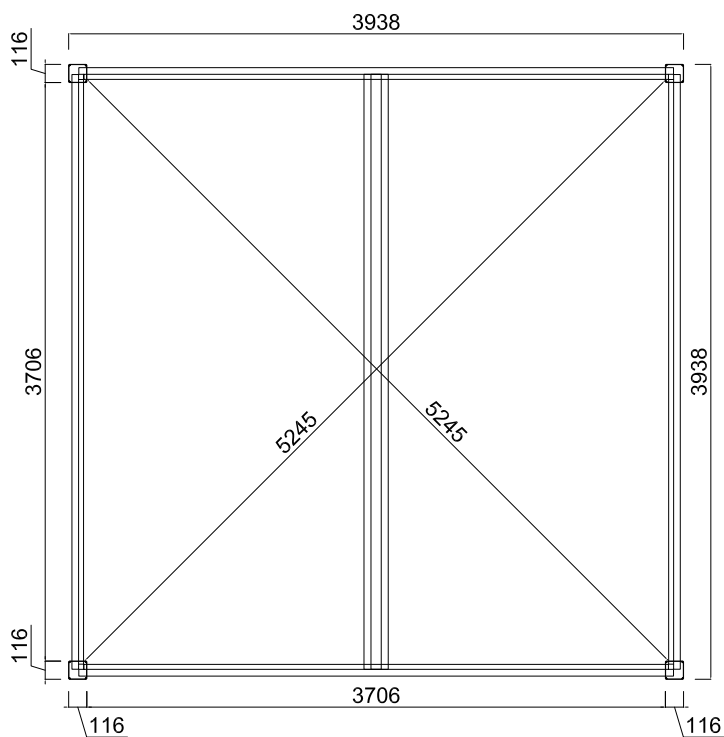
Connecting bar & brush are in the cavity of the beam.



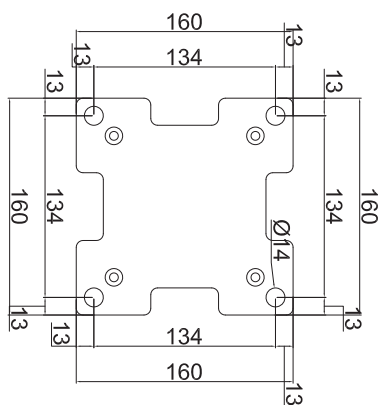
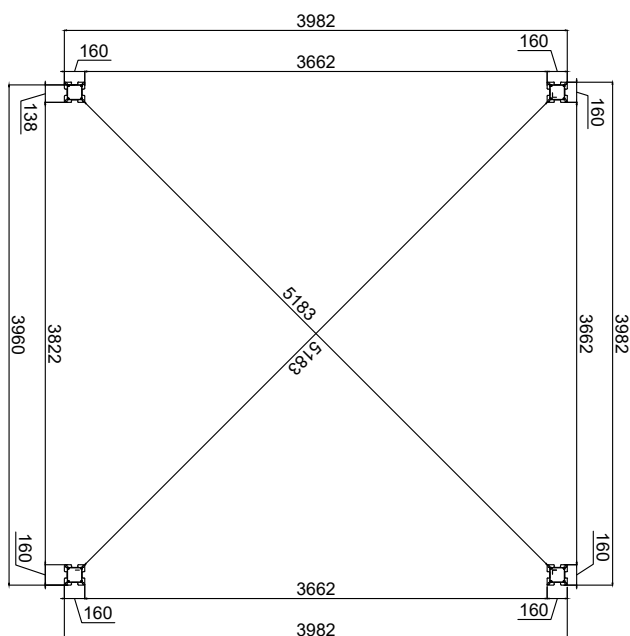
There is a Product Tracking Number in the inner side of the carton(see below diagram). For better and efficient after-sales in the future, when tear down the carton box, please take a photo of the Tracking Number and save the photo.



Plane size




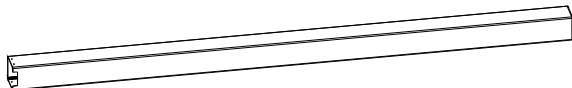

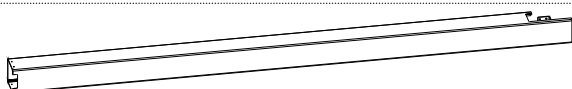
Base Plate Layout Plan








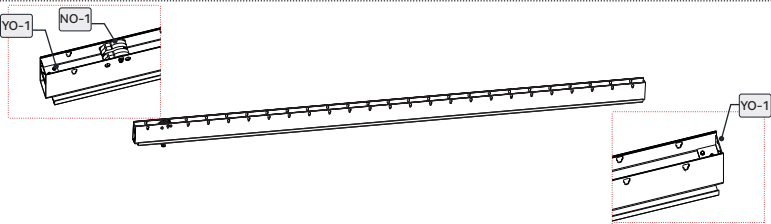





Spare Part List

4X4



CARTON 1/7

No.	Profile	Diagram	Size	QTY
AO			116X116 L=2550mm	2
AO-2			116X116 L=2550mm	2


CARTON 2/7

No.	Profile	Diagram	Size	QTY
BO-4			75X195 L=3809mm	2
CO-3			75X195 L=3809mm	2
DO			150X150 L=3811mm	1
EO			42X54 L=3811mm	1
FO			27X8 L=3650mm	4
HO			L=1300mm	1

CARTON 3/7

No.	Profile	Diagram	Size	QTY
GO			166X34 L=1831mm	12



CARTON 4/7

No.	Profile	Diagram	Size	QTY
GO			166X34 L=1831mm	12





Spare Part List

4X4

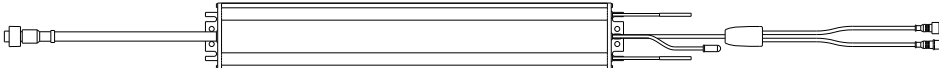
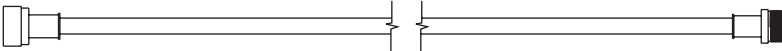

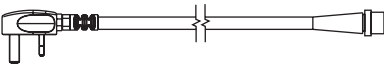

CARTON 5/7



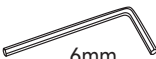

No.	Profile	Diagram	Size	QTY
GO			166X34 L=1831mm	12



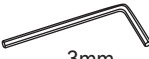

CARTON 6/7

No.	Profile	Diagram	Size	QTY
GO			166X34 L=1831mm	12
GO-1			166X34 L=1831mm	2

CARTON 7/7

No.	Diagram		QTY
E-L1			1
E-B		6.5M	1
E-AE			1
E-K1		1M	1
LED2			4 3.8M


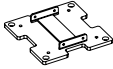
No.	Diagram	QTY
ZO-1	 4mm	1
ZO-2	 4mm	1
ZO-3	 6mm	1
ZO-4	 6mm	1

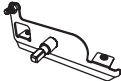
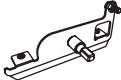
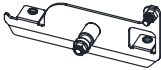
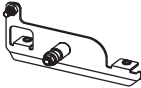
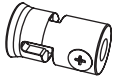


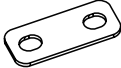

No.	Diagram	QTY
ZO-5	 10mm	1
ZO-7	 8mm	1
ZO-9	 3mm	1
ZO-10	 3mm	1

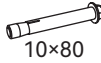


Spare Part List







4X4

CARTON 7/7

No.	Diagram	QTY
IO		4
JO-1		4

No.	Diagram	QTY
KO-1		1
KO-2		1
LO		49
LO-1		49
NO		2
QO		16
RO		16
RO-1		8
SO		98

No.	Diagram	QTY
TO		16
WO-3		16
XO-1		16

No.	Diagram	QTY
SO-1		100
UO		4
VO		4
WO		200
WO-1		4
WO-4		16
UO-2		96
UO-4		96

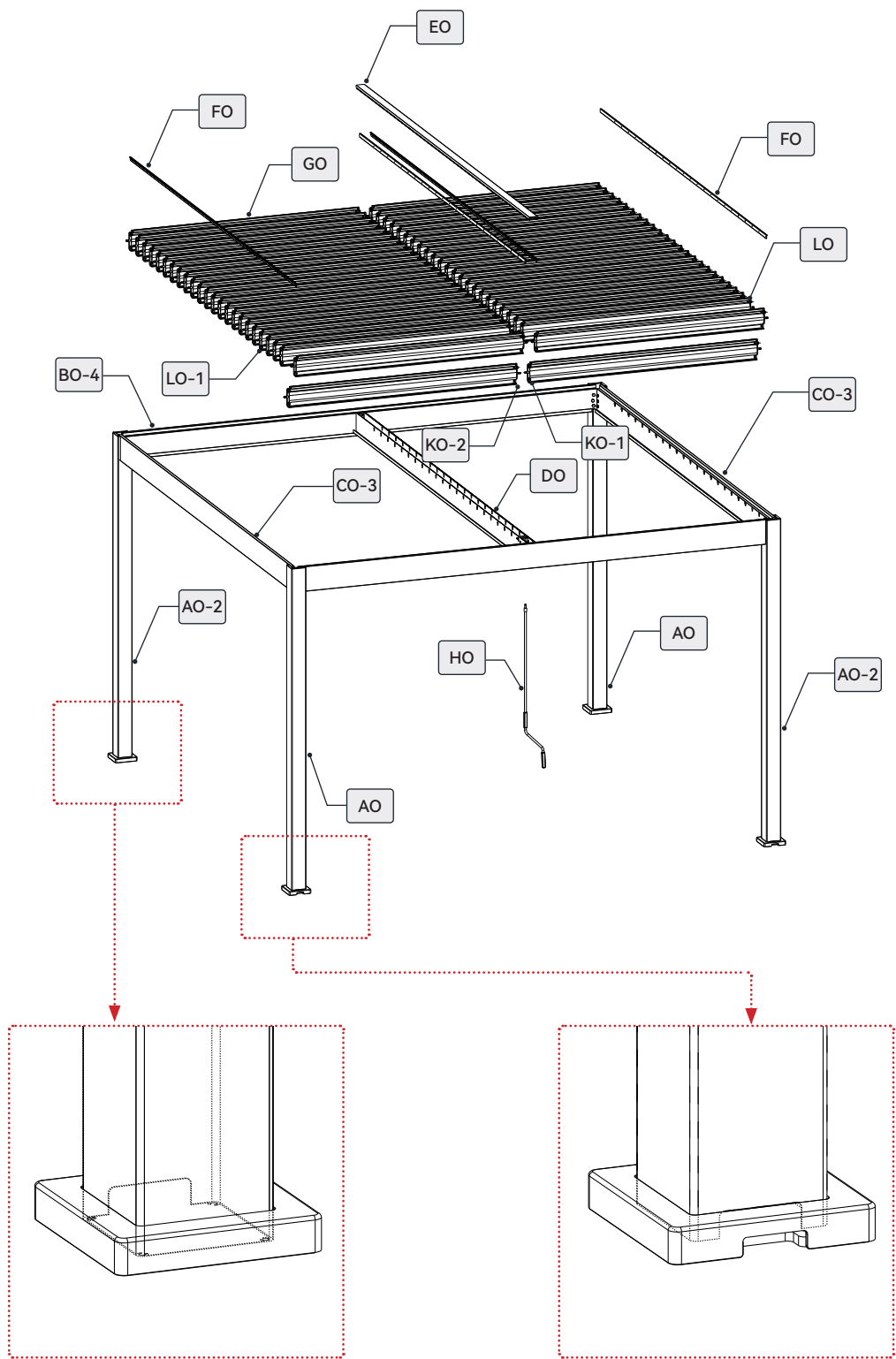
Before proceeding with the assembly of your louvered pergola, it is necessary to check that all parts listed are supplied and not damaged.

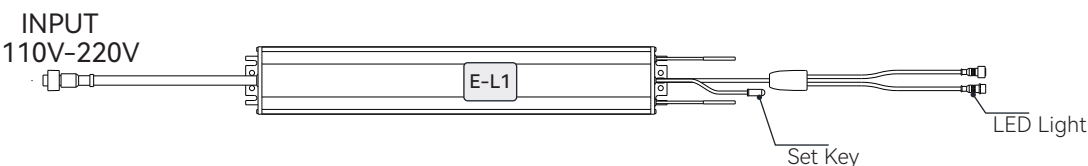
Any missing part must be reported within 10 days of delivery.

Do not discard the packaging without ensuring that the product is functioning properly.

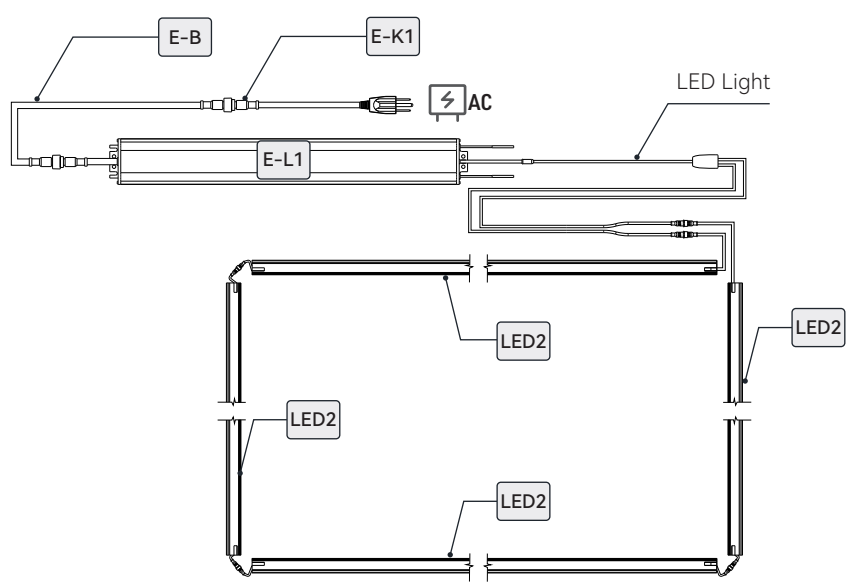
Attention:

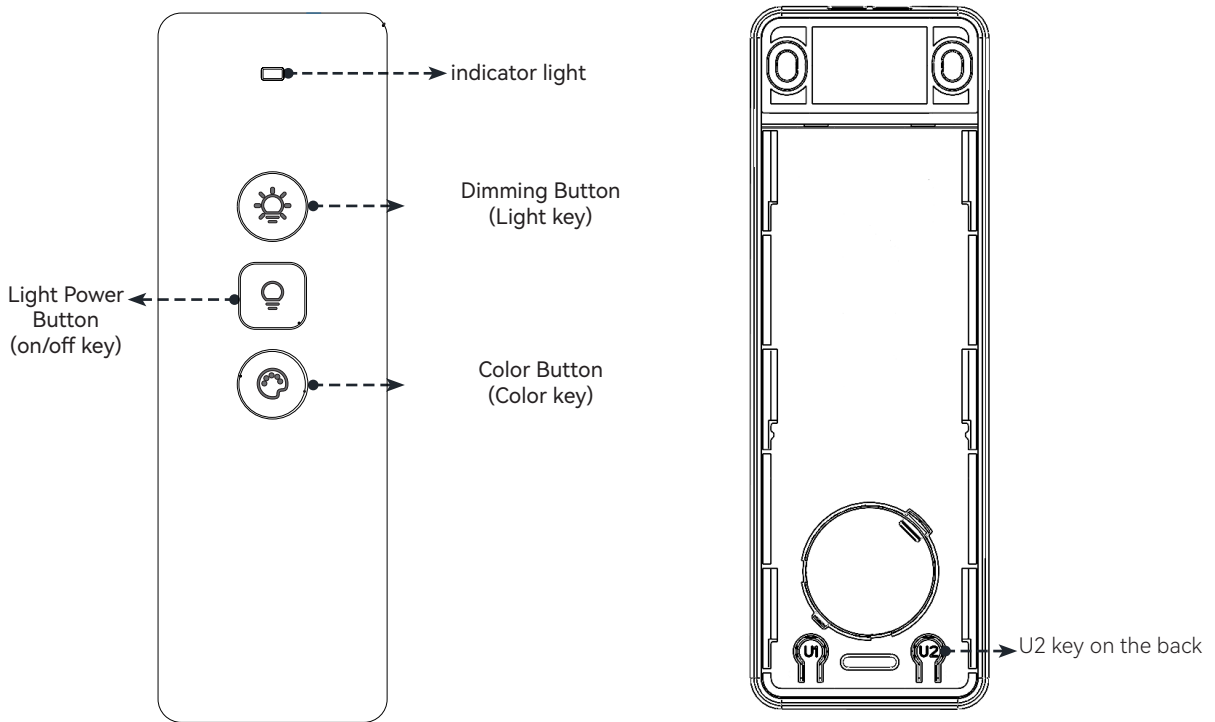
Please note that the outlet on the skirt should be in the front position for the front side, while for the rear side, the outlet is a mirror image of the front face.





Cable Diagram





Individual Button Functions :

Power Button:

Short Press: Cycles between turning the light ON and OFF.

Dimming Button:

Long Press: Activates gradual brightness adjustment (continuously cycles between dimming and brightening).

Color Button:

Short Press: Cycles through 8 preset color modes:

Red, Green, Blue, Yellow, Cyan, Purple, White, Auto Color-Changing Mode.

Long Press (2 seconds): Enables smooth color gradient cycling (colors transition gradually in a loop).

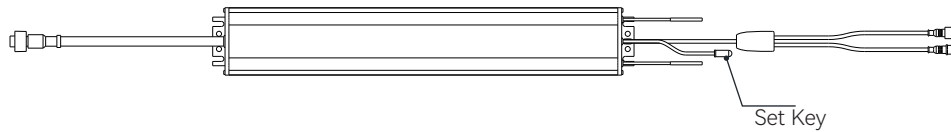
The product also supports the TUYA function. The product can be controlled by downloading TUYA. The user must use this function when the WIFI signal is sufficient.

Reset Network:

Long press the "SET SKY" on the controller for 7 seconds.

The indicator light will stay off for 1 second, indicating that the network has been successfully cleared.





Remote Control Pairing Guide

Below are two methods for pairing the remote control, clearly organized and easy to follow:

Pairing Method 1:

Enter Pairing Mode:

Press and hold the "SET KEY" on the controller for 2 seconds. The indicator light will start blinking slowly, indicating that it has entered pairing mode.

Complete Pairing:

Press and hold the "Power Button" on the remote control for 2 seconds. The indicator light will stay off for 1 second, indicating that the remote control has been successfully added.

Pairing Method 2:

Enter Pairing Mode:

Press and hold the "U2 Button" on the back of the already paired remote control for 2 seconds. The indicator light will start blinking slowly, indicating that it has entered pairing mode.

Add a New Remote Control:

Press and hold the "Power Button" on the remote control that needs to be paired for 2 seconds. The indicator light will stay off for 1 second, indicating that the new remote control has been successfully added.

Notes:

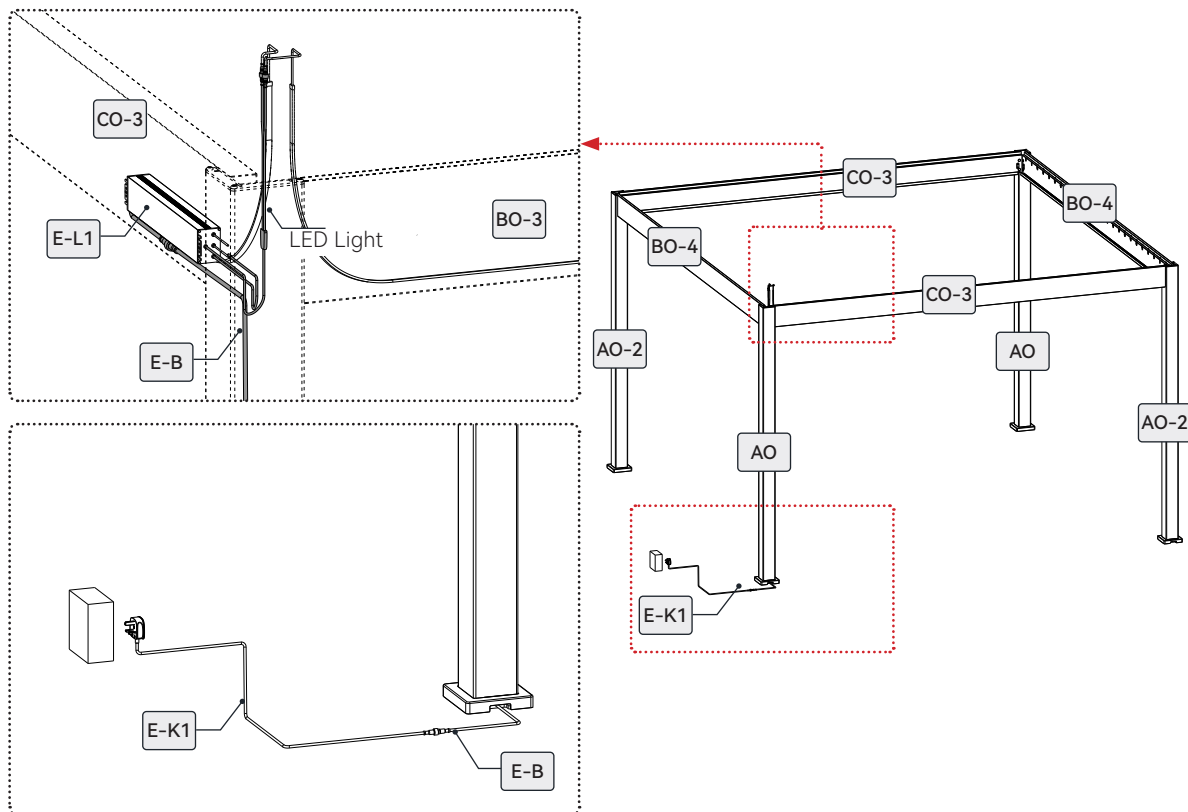
Ensure that the remote control and controller are within the effective operating range.

If the indicator light does not change as expected, repeat the operation or check if the device is functioning properly.

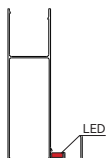
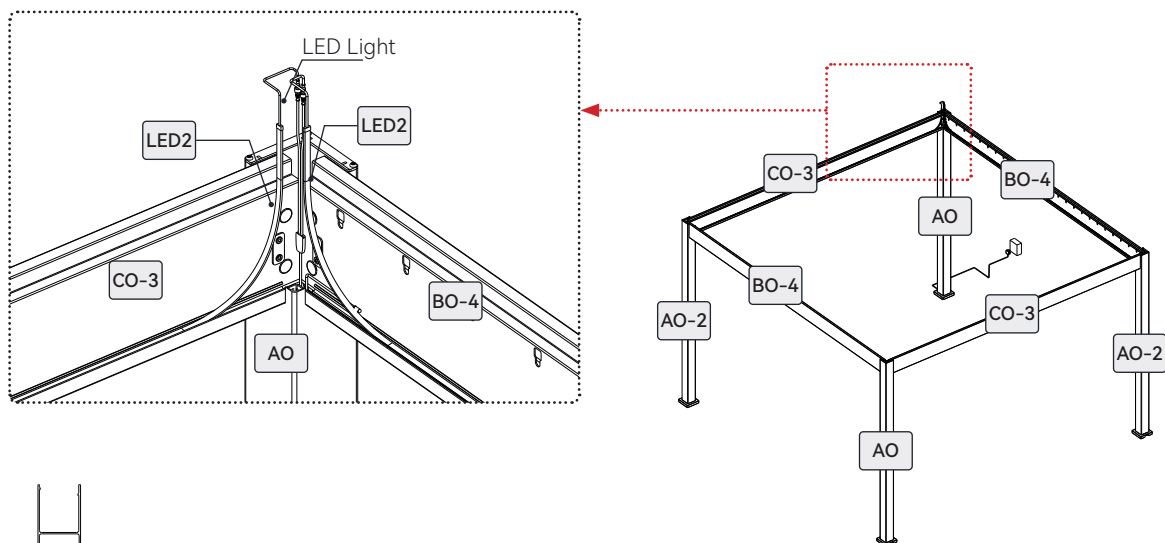
Different brands or models of devices may have different operating procedures. Please refer to the specific device's user manual.

Attention:










The controller needs to be installed into the side beam, with the input wire routed through the drain hole of the column. Connect the E-K1 plug wire and then connect it to the household power supply.

**Attention:**

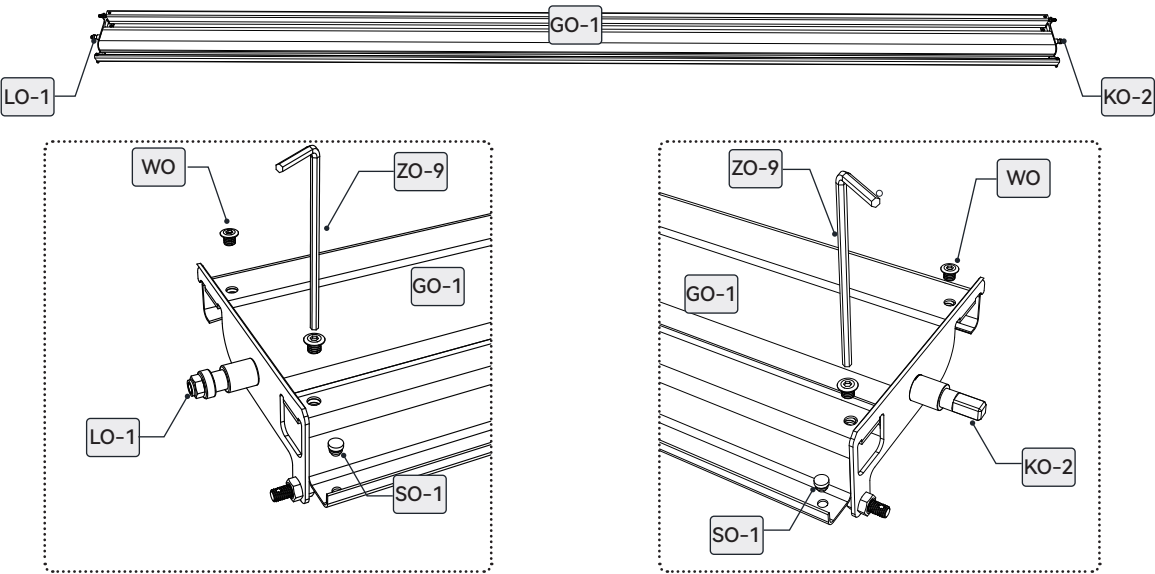
The LED output end of the controller should be routed through the notch on the beam. Secure the LED strip into the slot on the beam, and connect its input end to the controller.



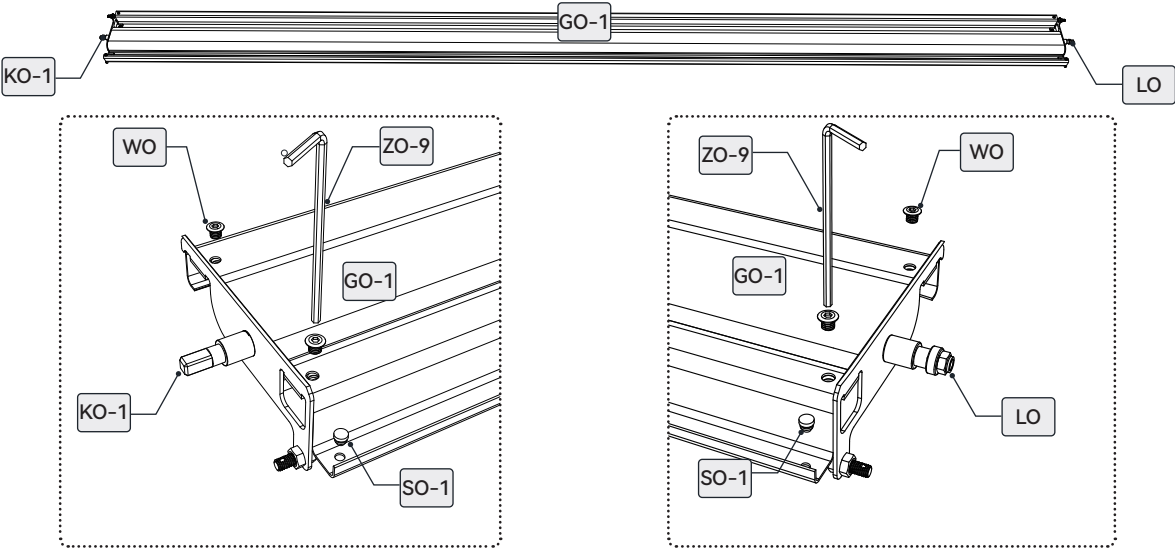
Install the louver cover on both sides of the installed louvres and the spindle louver cover on both sides of the louvres.

GO-1		2	KO-1		1	WO	 5x6	 3mm	200	ZO-9	 3mm
GO		38	KO-2		1	SO-1			100	ZO-10	 3mm

X1

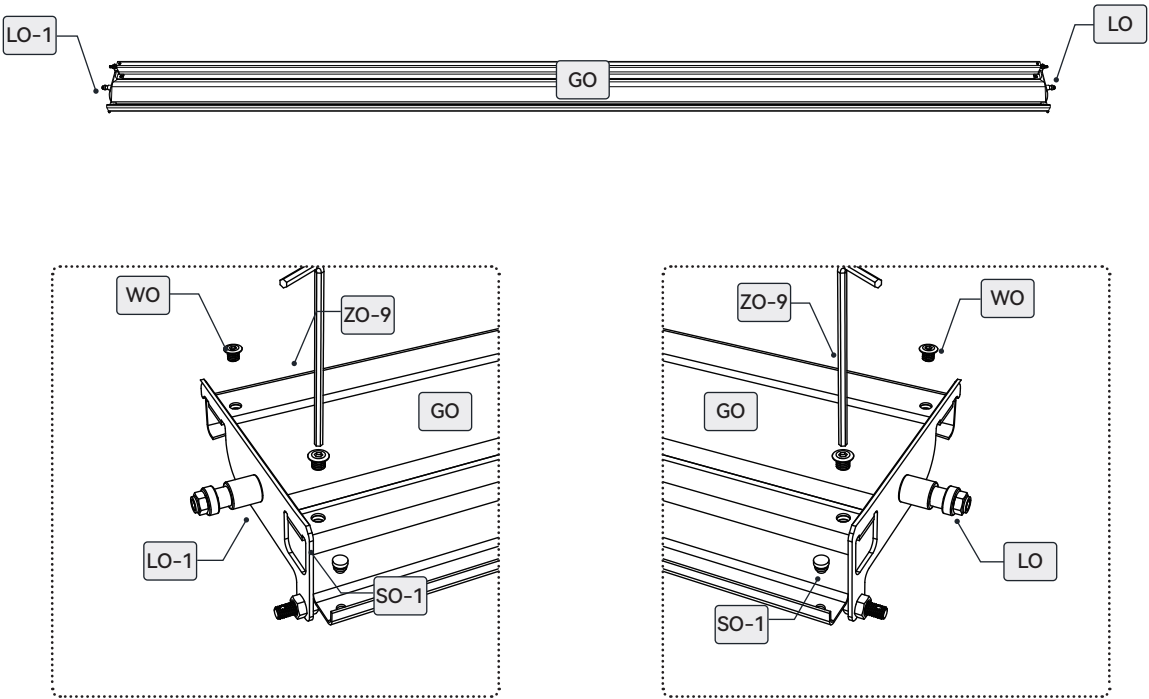


X1


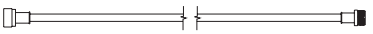


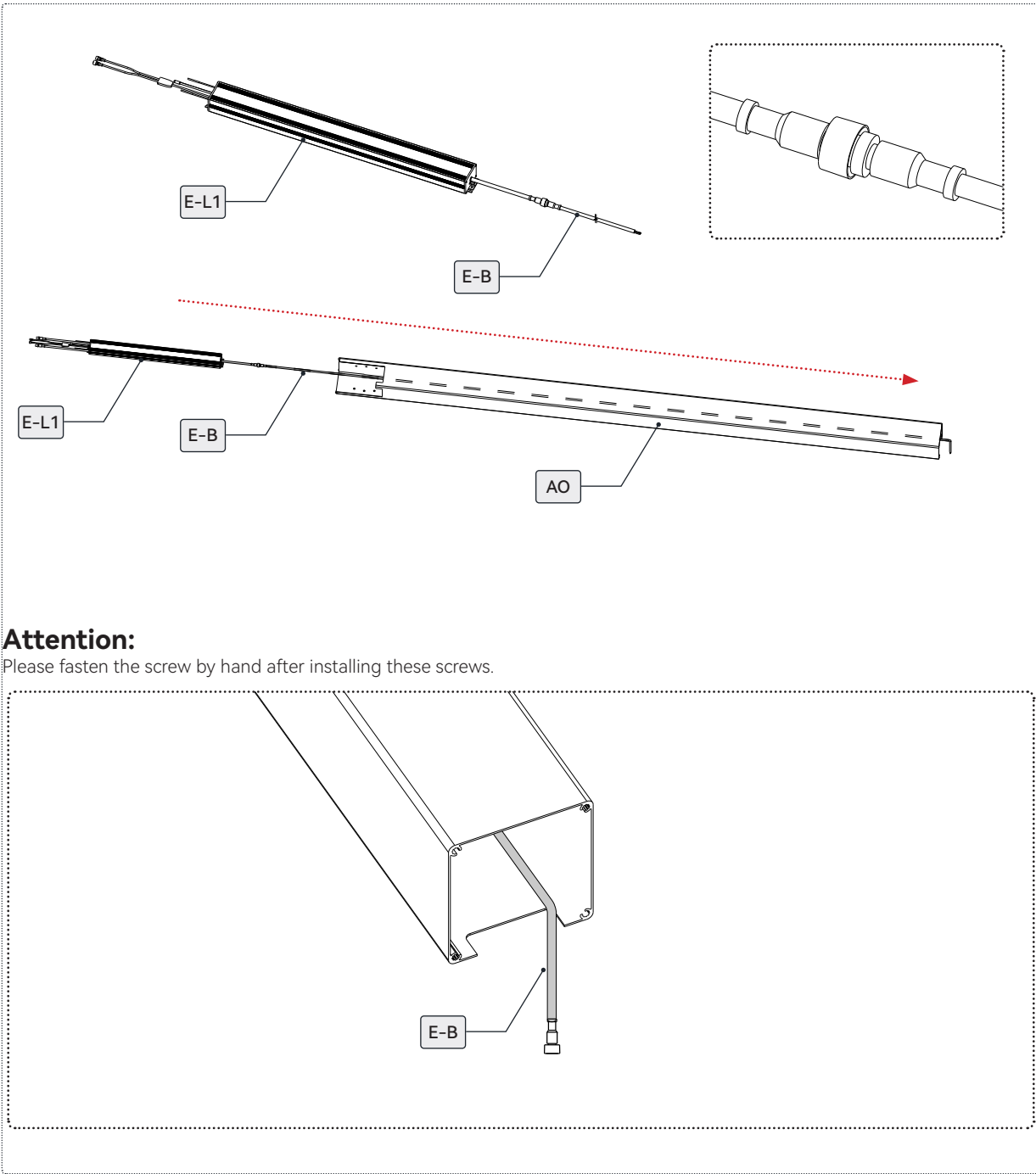
Install the louver cover on both sides of the installed louvres and the spindle louver cover on both sides of the louvres.

X48



If the pergola is not installed, first thread the controller's input end through the upright column, then install the base plate, place it into the side beam cavity, and complete the installation of all pergola components.









E-L1		1
E-B		1

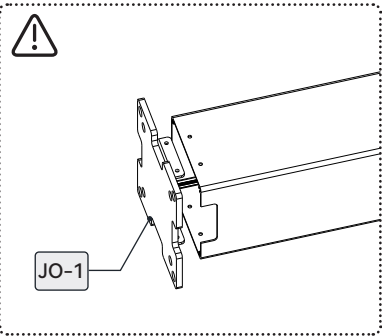
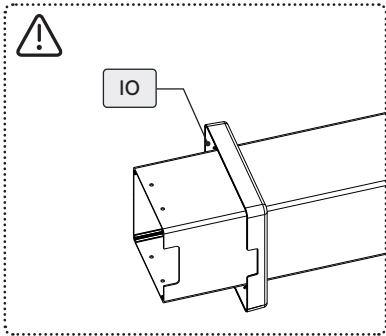
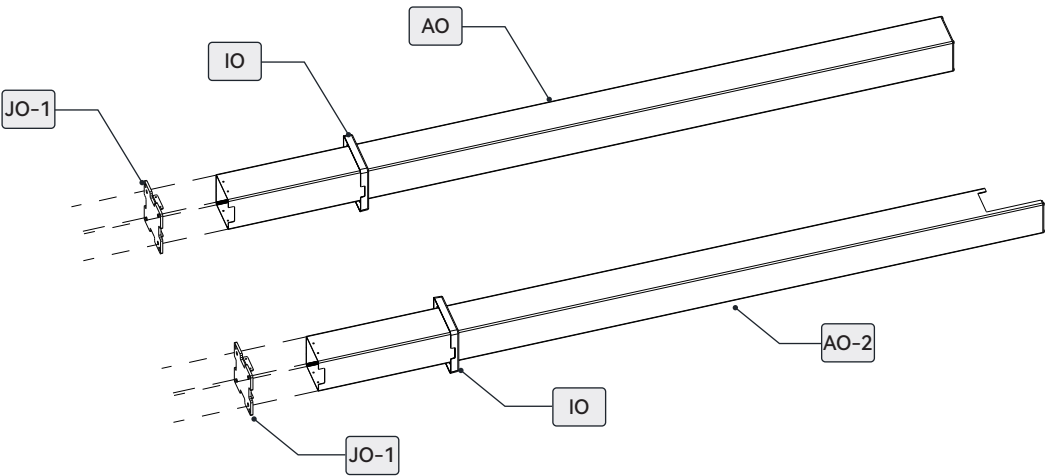


Attention:

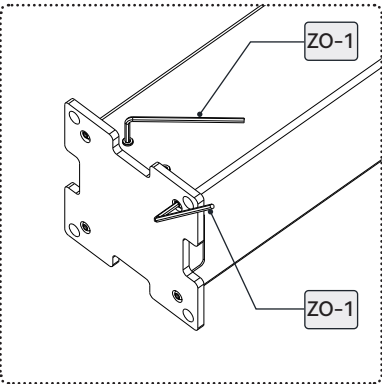
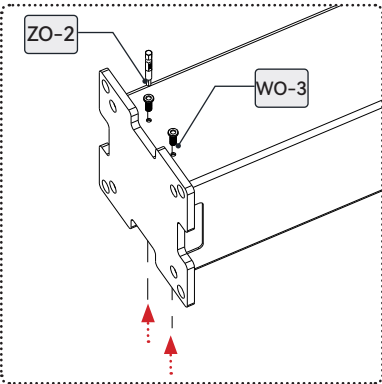
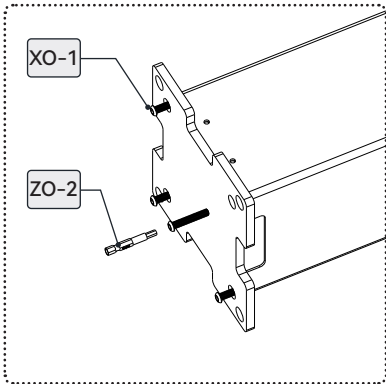
Please fasten the screw by hand after installing these screws.

- 1. Install the post skirt first
- 2. Make sure the outlet of the skirt and the post are on the same face


AO		2	IO		4	XO-1		16	ZO-1	
AO-2		2	JO-1		4	WO-3		16	ZO-2	

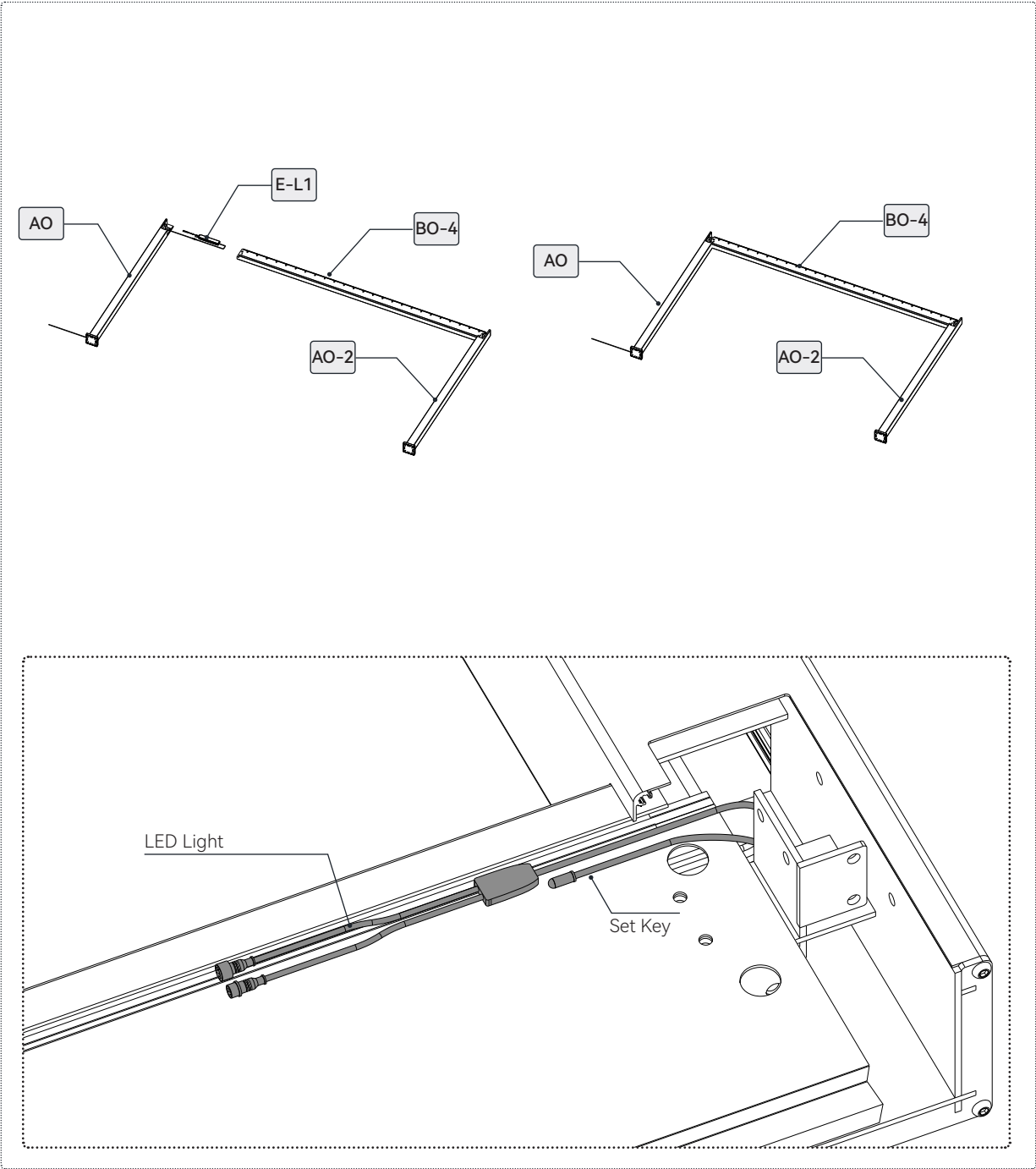


Attention:
Please fasten the screw by hand after installing these screws.









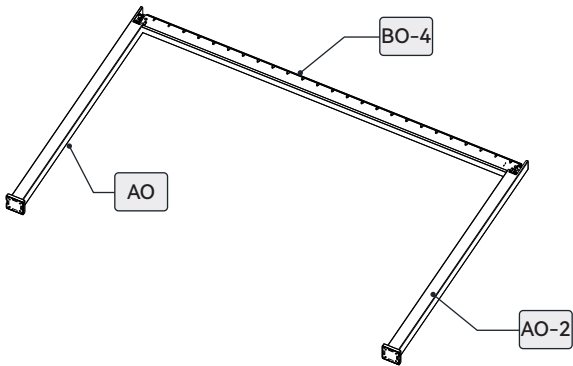
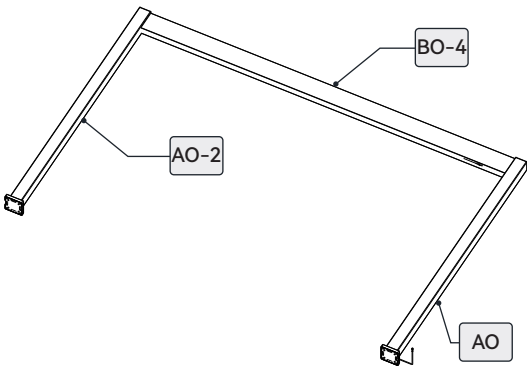
Extract the relevant output cables of the controller to facilitate subsequent installation.

BO-4		1
------	---	---



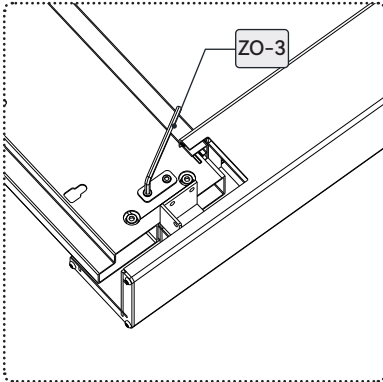
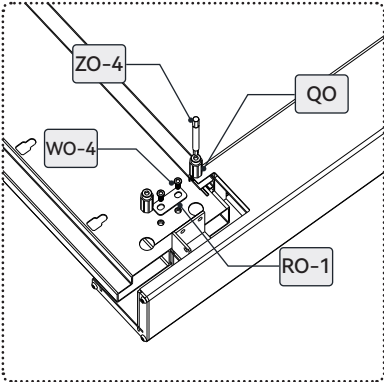
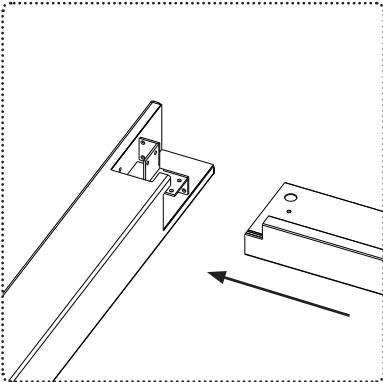
Placing the post flat on the ground,complete the installation of the side beams.

BO-4		2	QO		6mm	8	RO-1		4	ZO-3		6mm
			WO-4		8x16	8				ZO-4		6mm









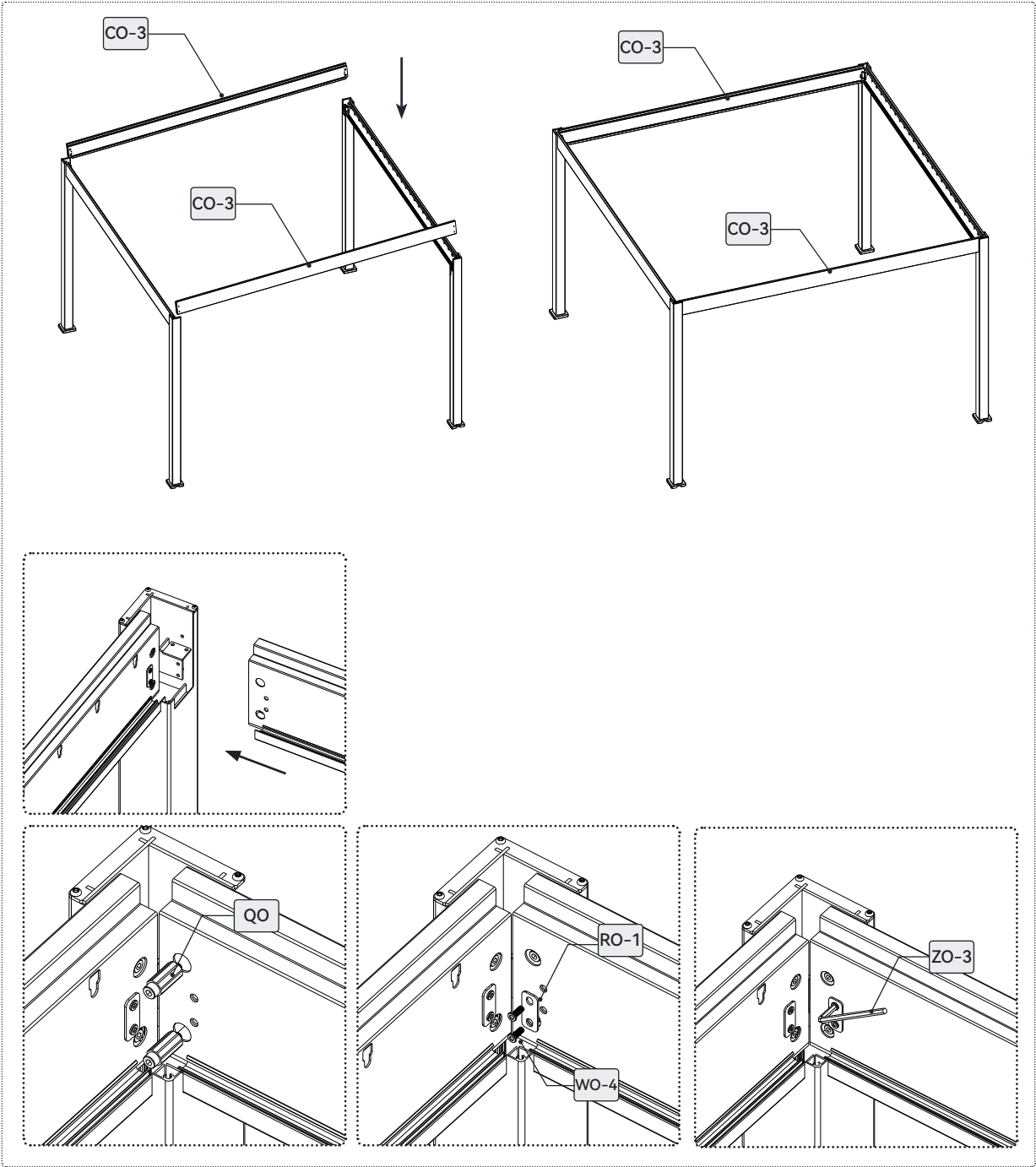
Attention:

Please fasten the screw by hand after installing these screws.




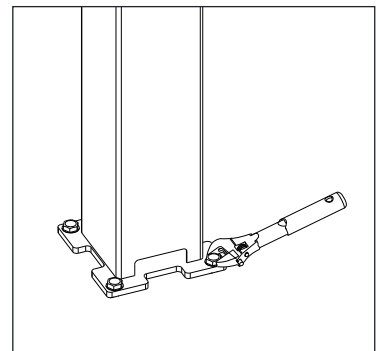
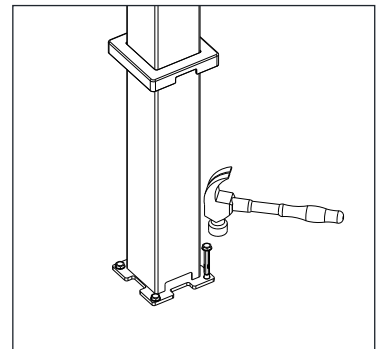
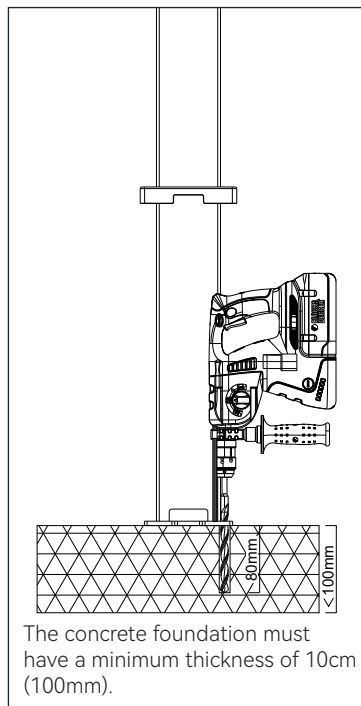
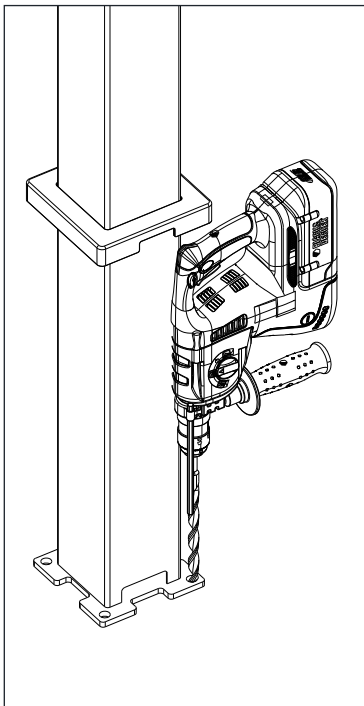
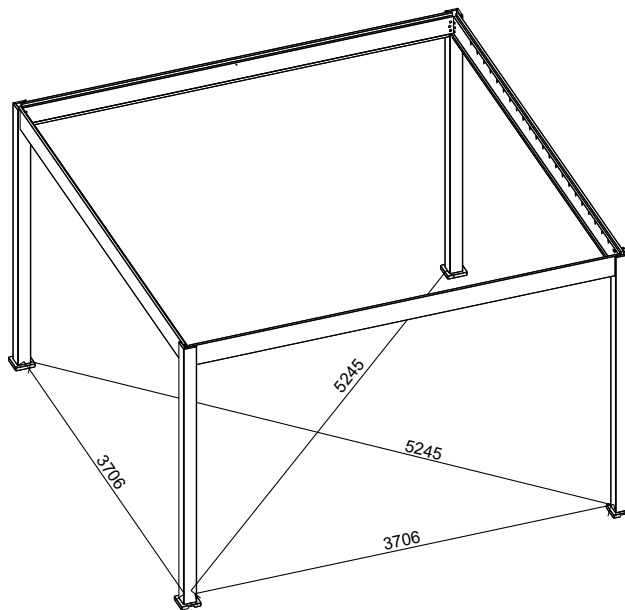
Put up the completed side beams and then install the main beams at each end.

CO-3		2	QO			8	RO-1		4
			WO-4			8			



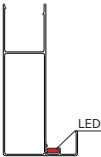
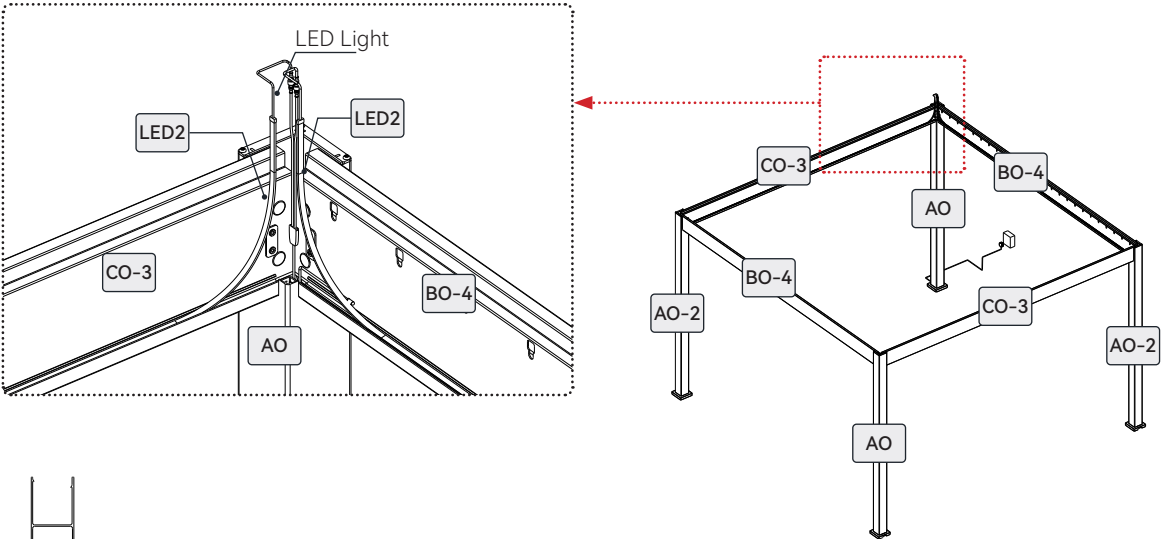
1. Check the dimensions as shown in the diagram.
2. Use a spirit level to ensure that all beams are level and that the posts are at a 90° angle to the ground.
3. Check the vertical alignment of the posts. (Only for 3 / 6 posts)
4. Adjust the lower edge of the columns according to the dimensions in the diagram.
5. Use a 12 mm hammer drill to drill the holes, then insert the expansion bolts and tighten them with an M17 wrench.

TO		16
----	---	----



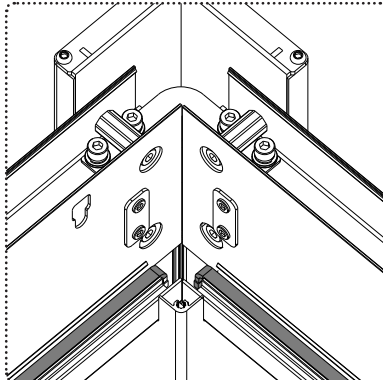
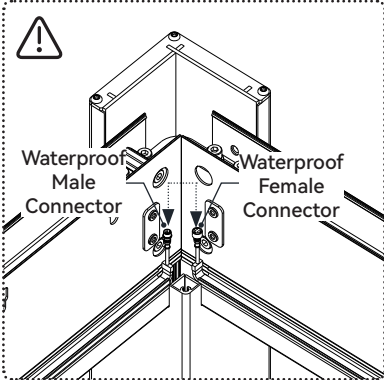
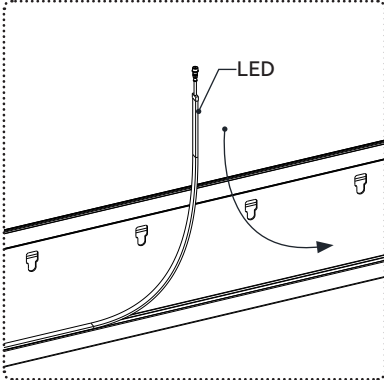
Interconnect LED strips by mating the male connector (output) of the previous strip with the female connector (input) of the next strip. Ensure waterproof seals are fully engaged and test continuity before powering on.

E-K1		1	LED2		4
------	---	---	------	---	---




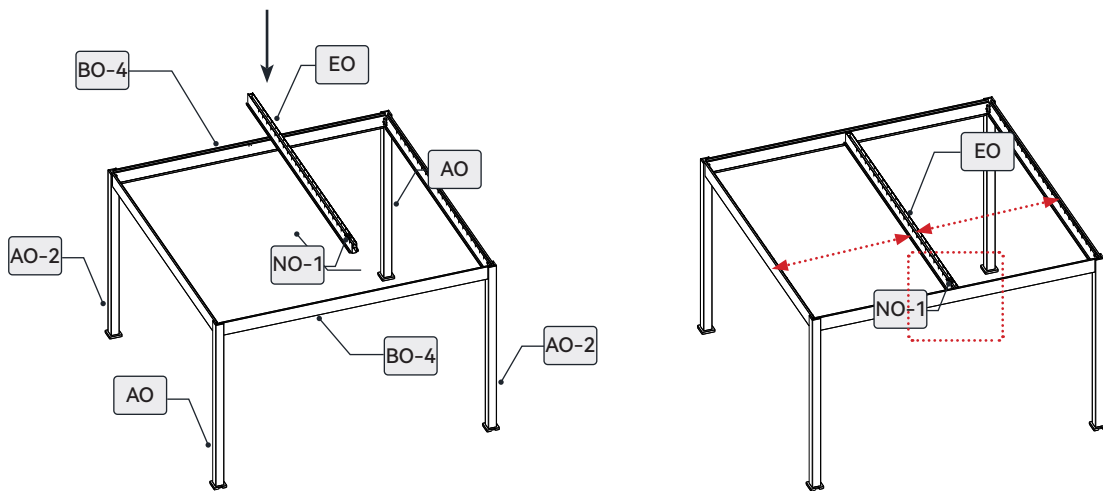
Attention:

During LED strip installation, ensure the waterproof male/female connectors are sequentially aligned (male end towards power input) and fully sealed with silicone tape. Verify IP rating compatibility and secure connections against tension. Interconnect the LED strips and connect one segment to the controller's LED terminal. After completing connections, securely route the cables into the drainage port.



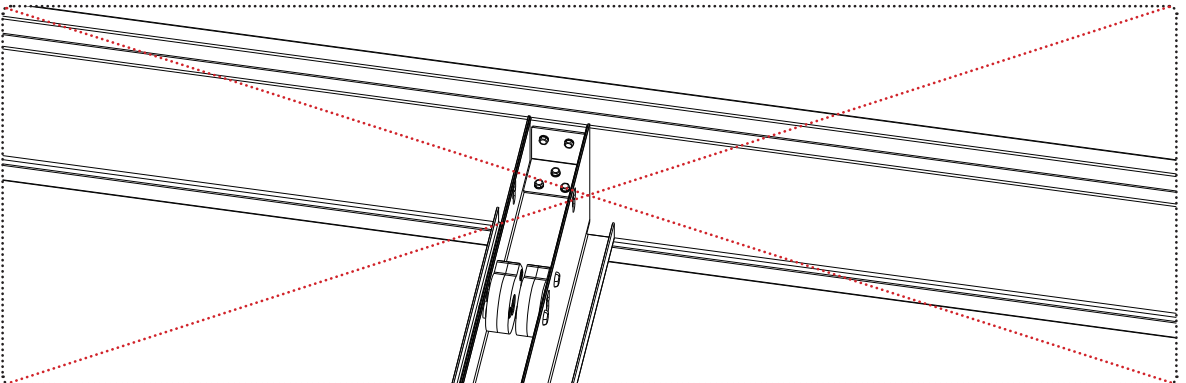
Position the middle beam centrally and secure it in place.

DO		1
----	---	---

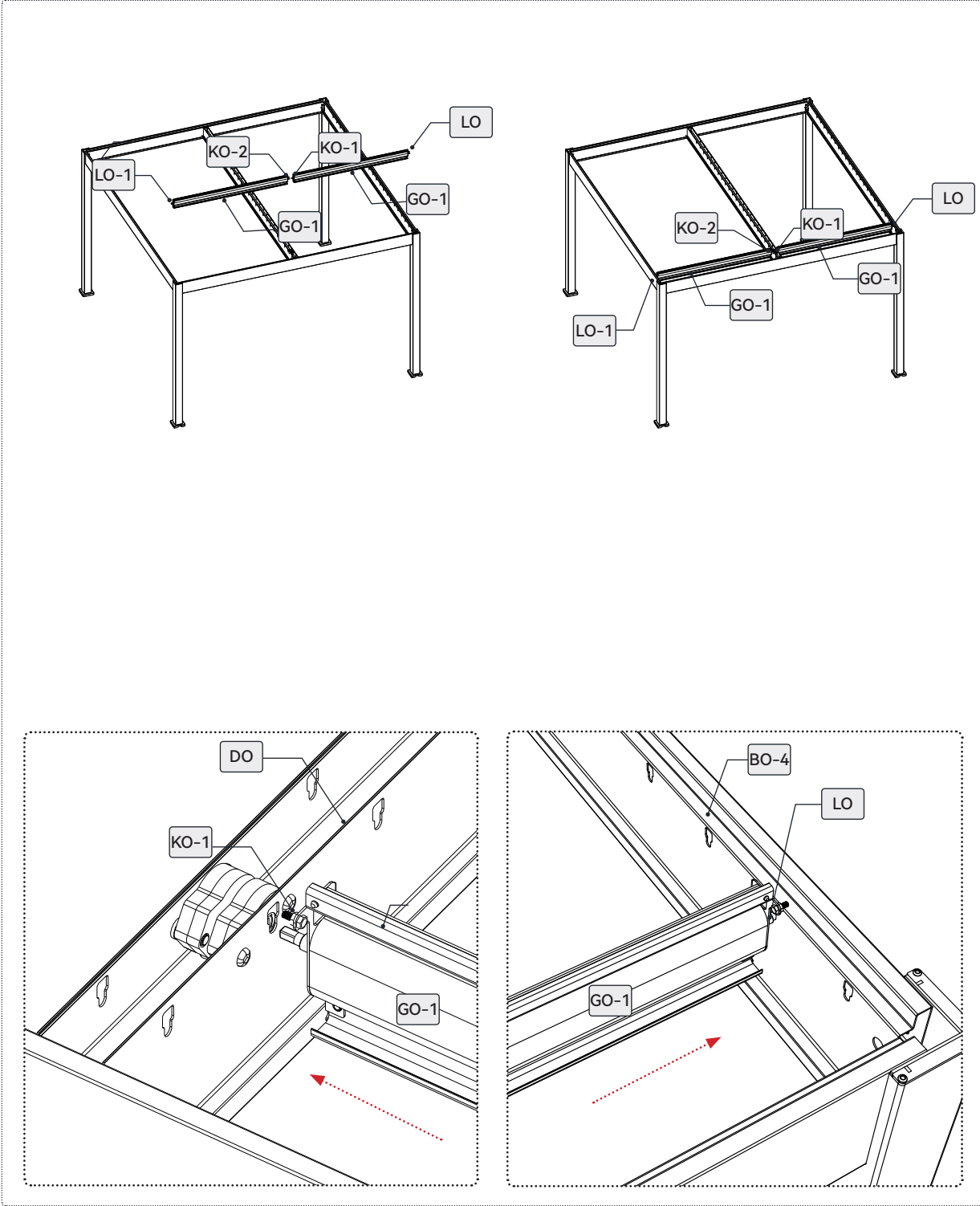


Attention:

InstallatPlace the middle beam in the middle of the pergola. Attention! Please do not assemble thescrewson two sides in this step.Please install the main louvre on the pergola firstly as the diarashows.

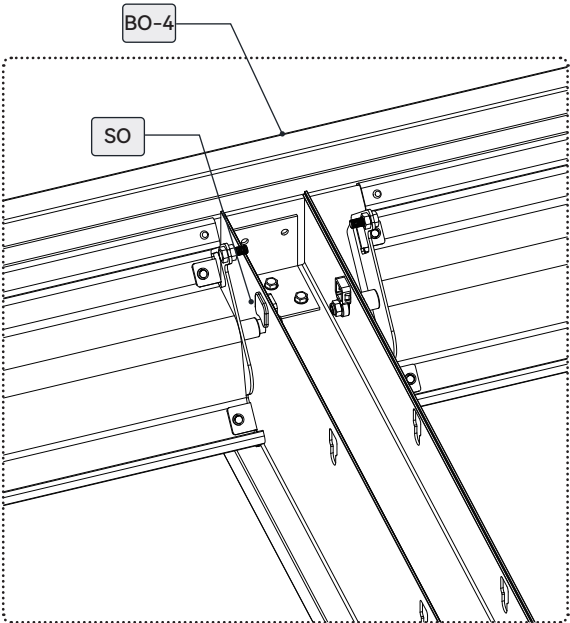
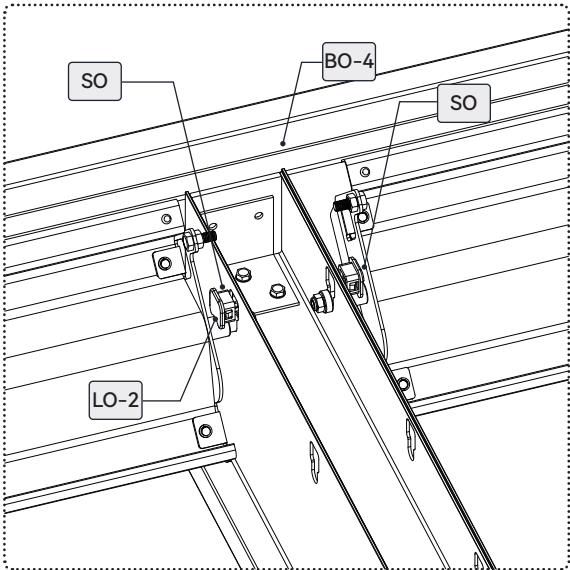
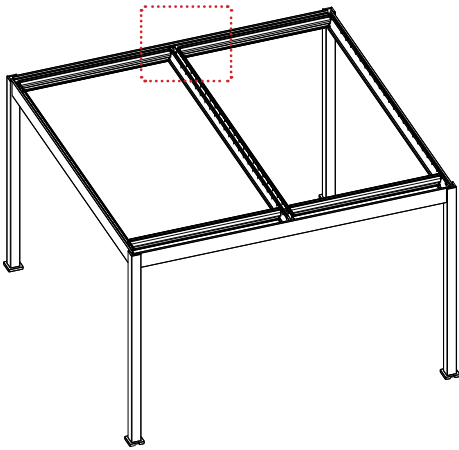
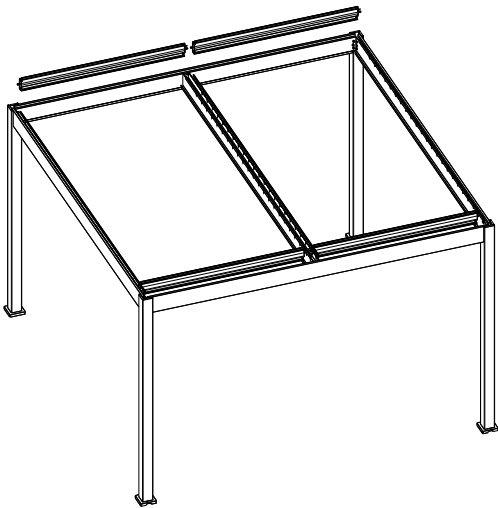


Install the louvres with spindles first, placing one side completely into the hole cut in the beam and then the other end.






Put in the other louvers and seal the end caps




SO		2
----	---	---

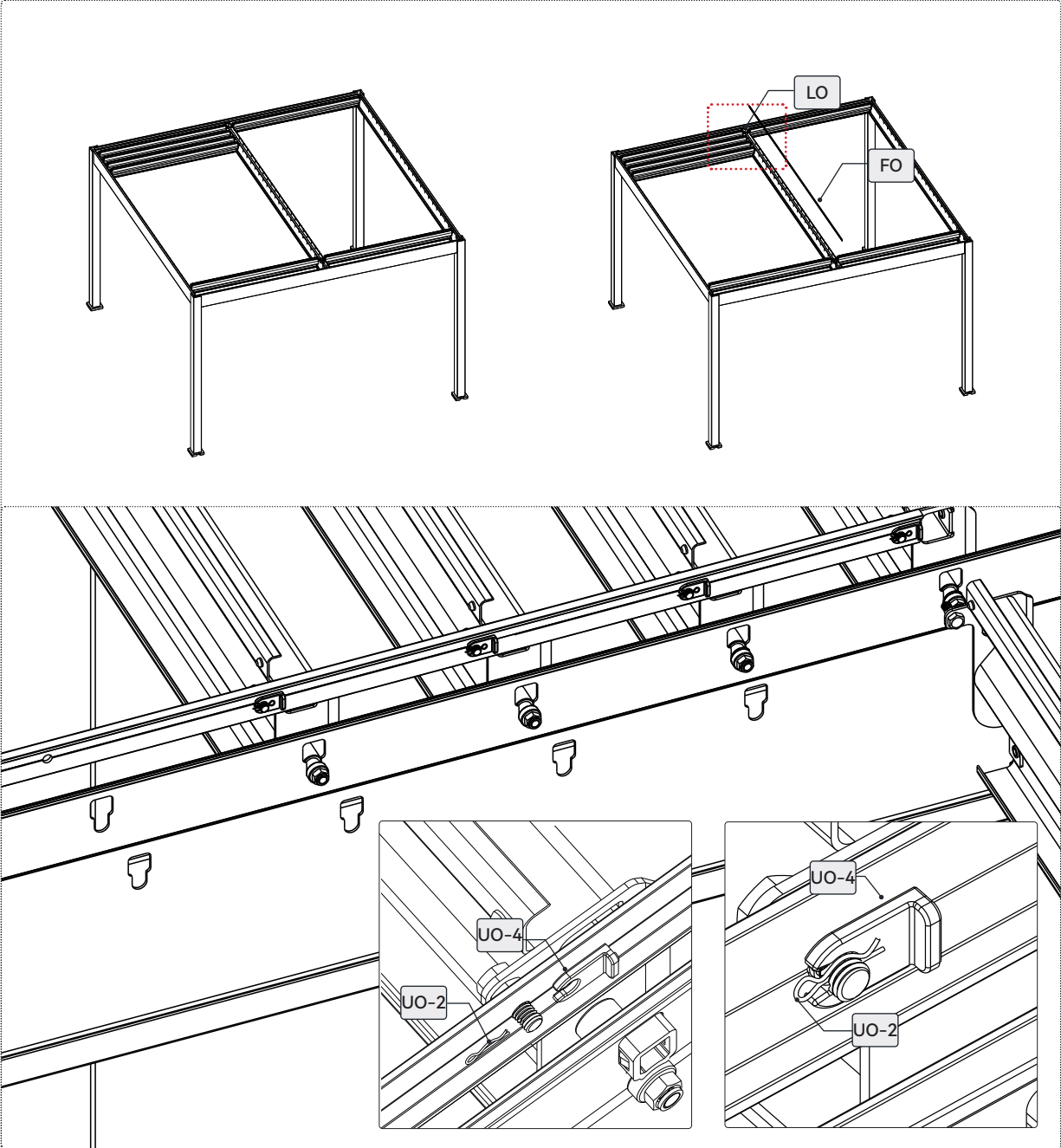


After installing each louvers, promptly connect it to the aluminum angle connector. Avoid waiting until all louvers are installed to connect them collectively, as this will result in restricted working space and operational difficulties.



FO		1
----	---	---




SO		3
UO-2		4
UO-4		4




ZO-1		4mm
ZO-2		4mm
ZO-5		10mm

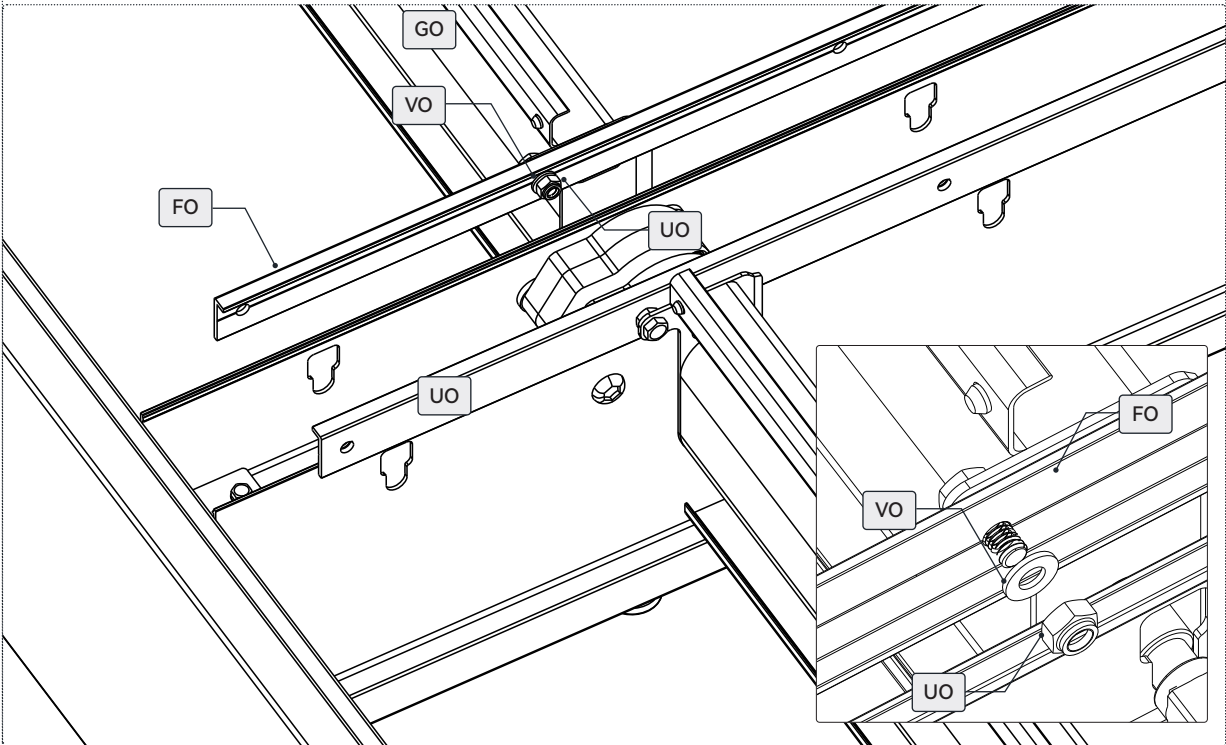
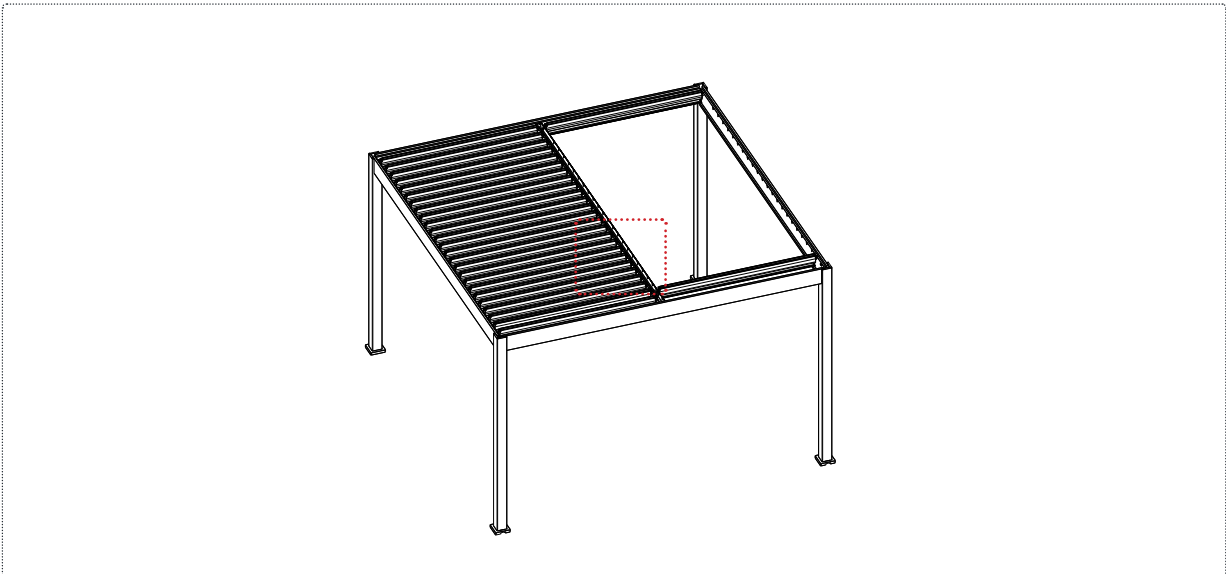


Note that the louvers on the main shaft and the connecting aluminum angle are connected using anti-loosening nuts (lock nuts) and washers.










UO		1
VO		1

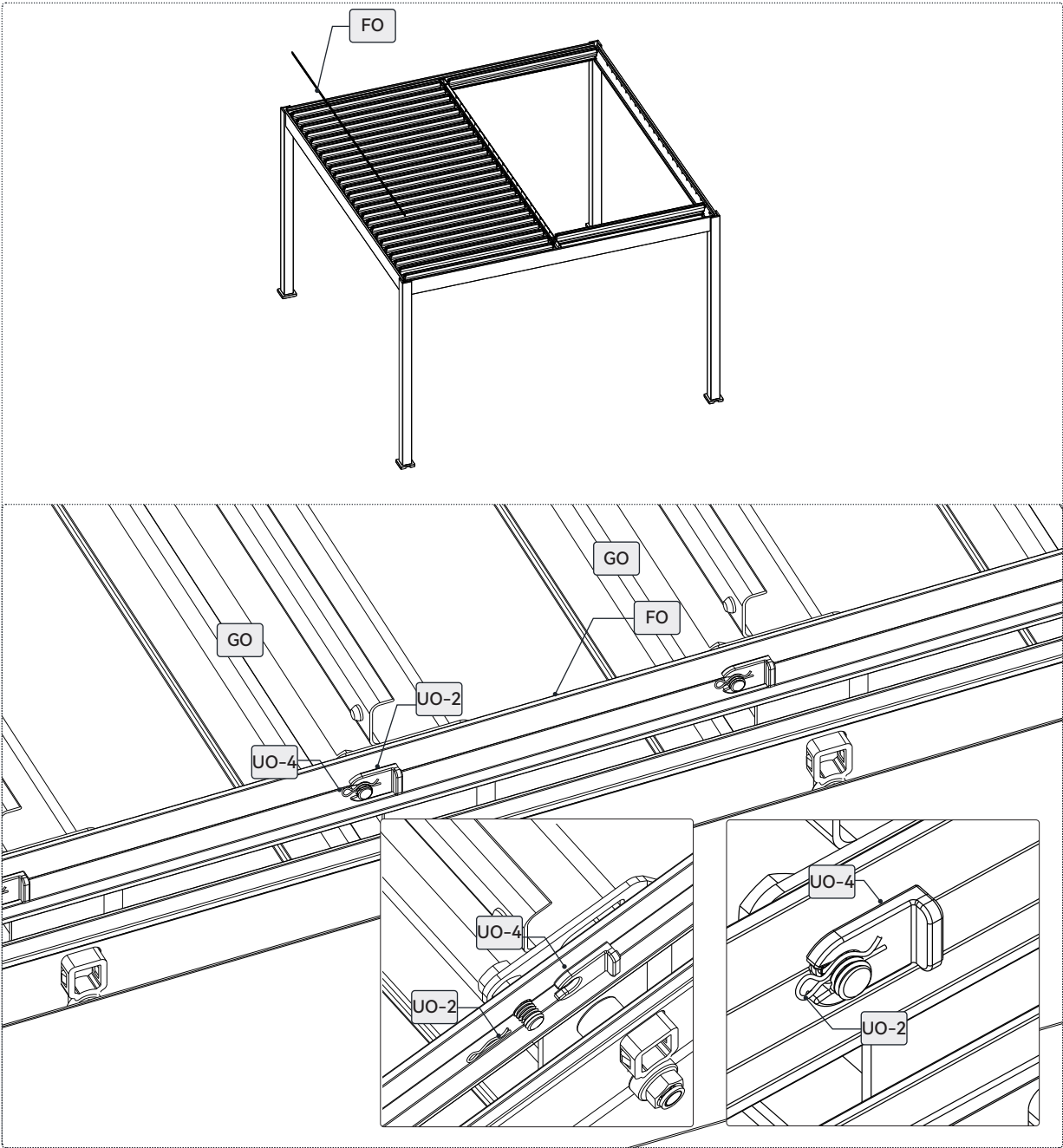
SO		20
UO-2		20
UO-4		20

ZO-1		4mm
ZO-2		4mm
ZO-5		10mm












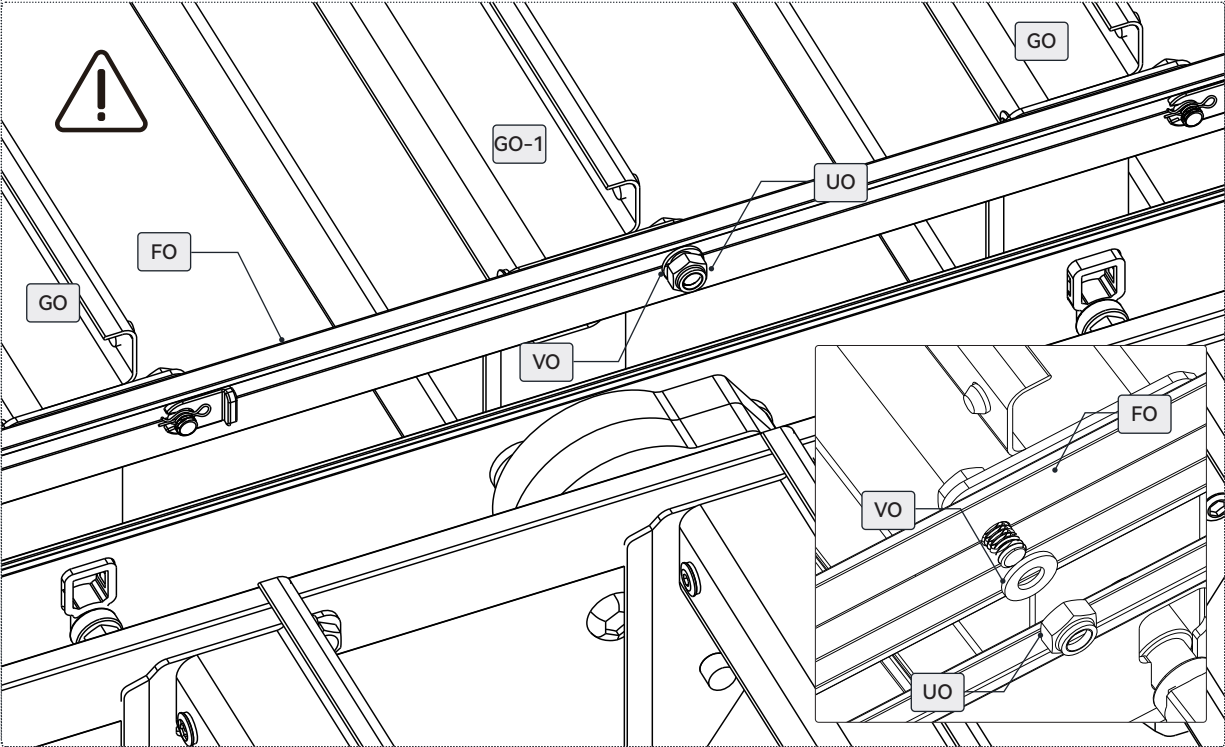
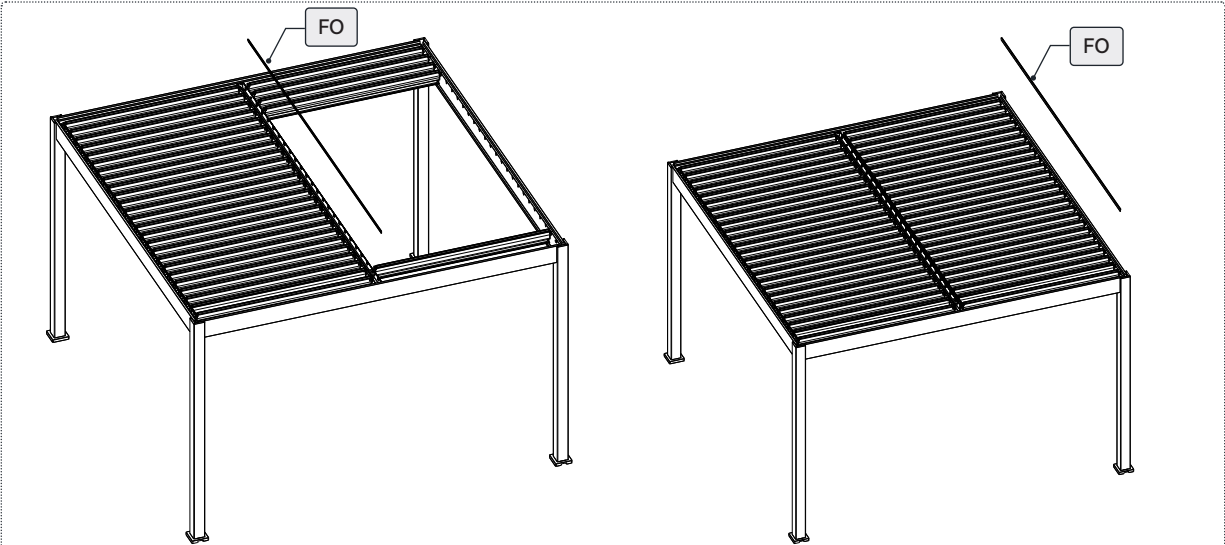
Connect the louvre blades to the aluminum corner connectors.

FO		1	SO		25	UO-2		24	ZO-1		4mm
			UO	 lock nut	1	UO-4		24	ZO-2		4mm
			VO		1				ZO-5		10mm



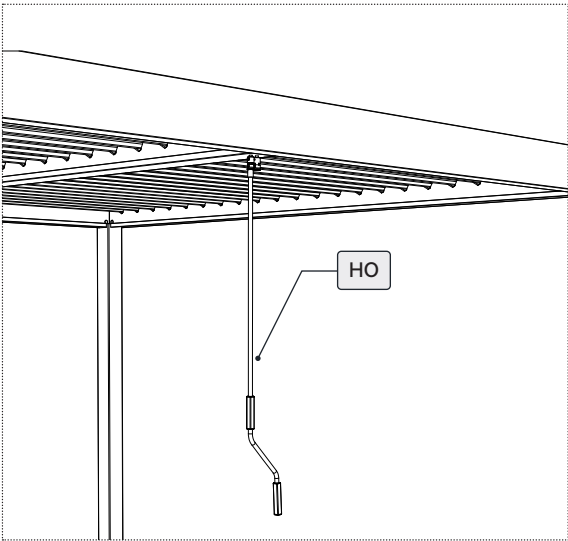
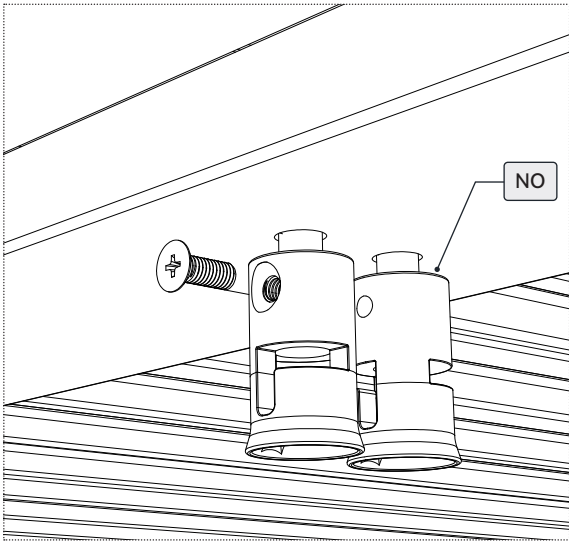
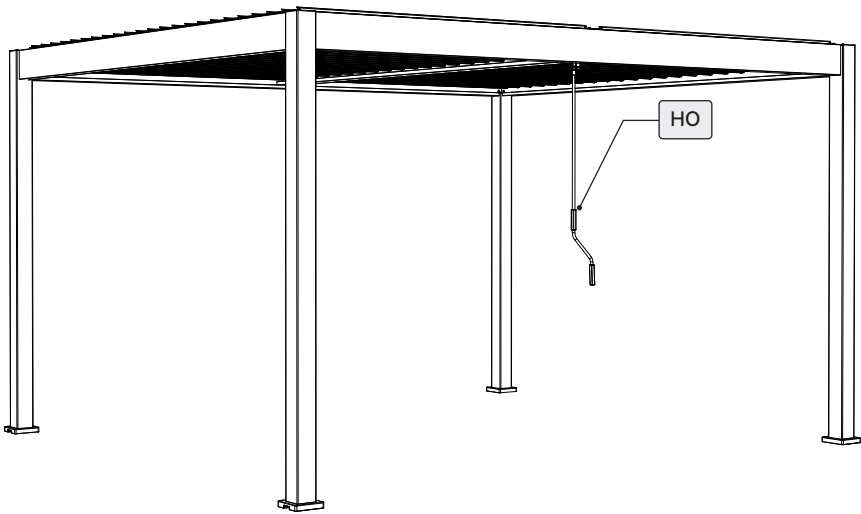
Connect the louvre blades to the aluminum corner connectors.

FO		2	UO		lock nut	2	SO		49	ZO-1		4mm
			VO			2	UO-2		48	ZO-2		4mm
							UO-4		48	ZO-5		10mm



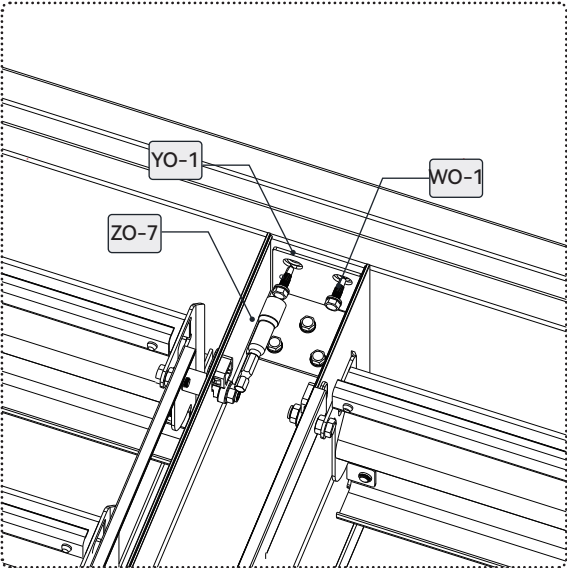
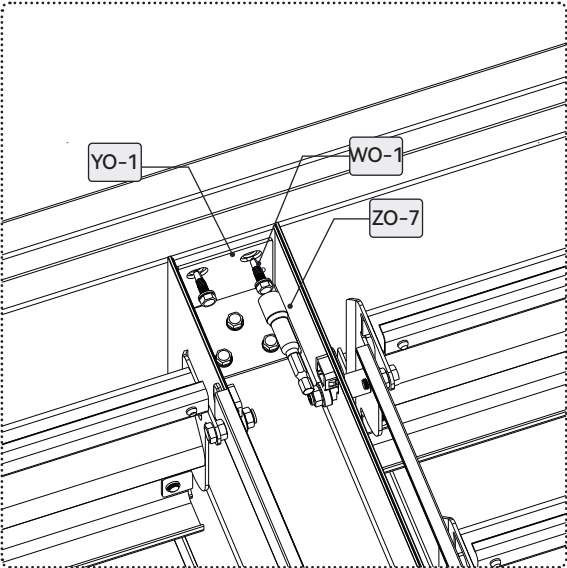
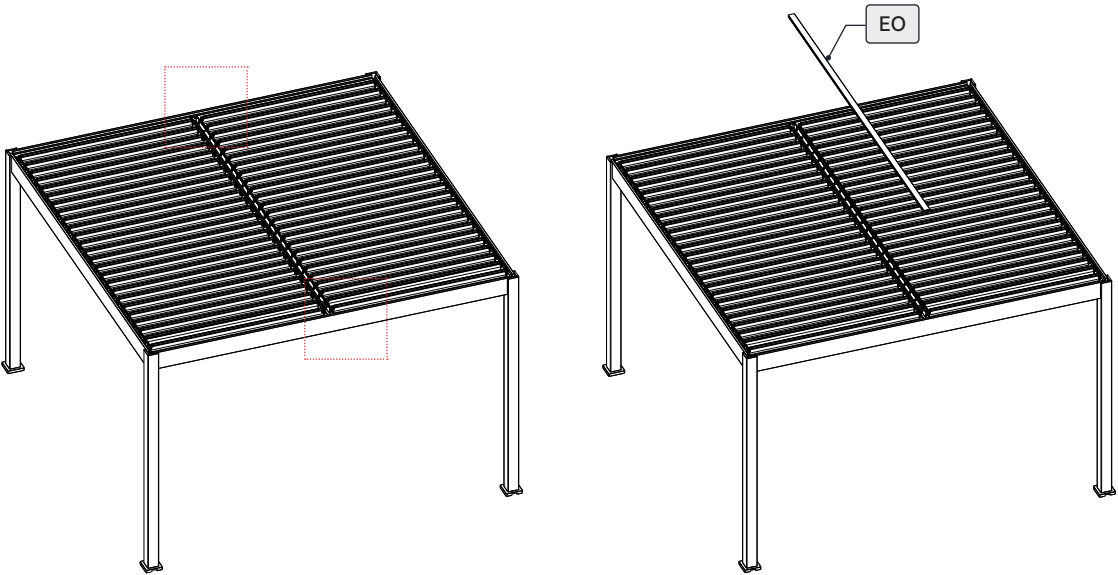
Before completing the installation, a function test of the slats is recommended. This helps to identify any damage that may not be visible to the naked eye. Close the slats and ensure that they slide smoothly into each other. There should be no contact, misalignment, or scraping noises between the slats.

HO		1	NO		2
----	---	---	----	---	---



Fix the middle beam by fasten the screws on two sides. Please put the beam cover on the middle beam, then cover the plastic caps.

EO		1	WO-1	 5x19	 8mm	4
----	---	---	------	--	---	---



1. Ensure that the connecting screws between the beam and column are fully installed and tightened to prevent structural instability caused by loose screws.
2. Align the end cap vertically with the hole and apply even pressure with your thumb. A "click" sound indicates that the clip is securely engaged.

RO		16
----	---	----

