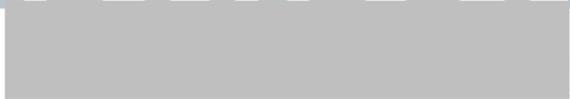




INSTALLATION INSTRUCTIONS

PERGOLA



⚠️ WARNING *Read all instructions before beginning installation.*

SAFETY PRECAUTIONS

1. Always wear appropriate personal protective equipment, including safety glasses, gloves, and closed-toe shoes.
2. Use caution when handling heavy or sharp components.
3. Ensure proper lifting techniques when moving large parts. For heavy items, use multiple people or mechanical assistance.
4. Keep children and pets away from the work area during installation.
5. Use stable ladders or scaffolding when working at heights. Never stand on the pergola structure during installation.
6. Be aware of overhead power lines and maintain safe distances.

DISCLAIMER: The manufacturer is not responsible for improper installation or any injuries or property damage resulting from improper use or installation of this product. Installation should be performed by qualified professionals or experienced DIY enthusiasts.

COMPLIANCE WITH LOCAL REGULATIONS

Before installation, consult your local building department to ensure compliance with:

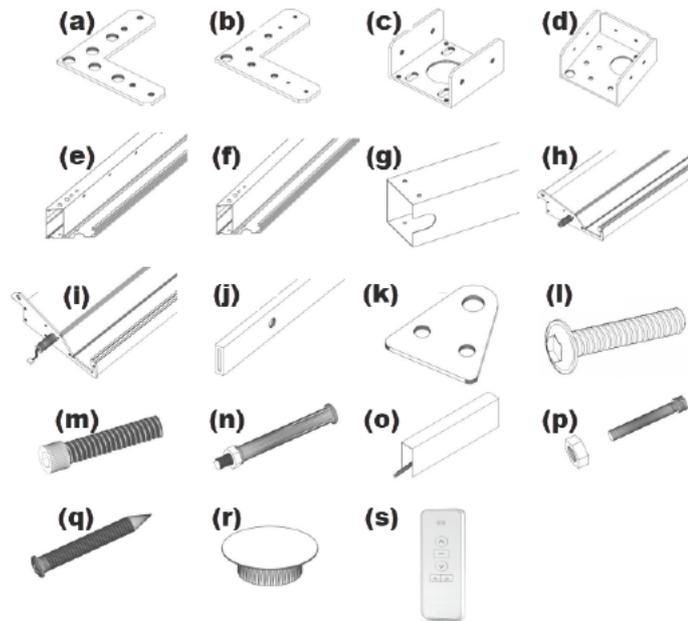
1. Building codes and permits
2. Zoning regulations
3. Homeowners' association rules (if applicable)
4. Underground utility locations
5. Wind and snow load requirements for your area

Failure to comply with local regulations may result in fines, removal of the structure, or compromise the safety and stability of the product.

TOOLS, EQUIPMENT, AND ACCESSORIES

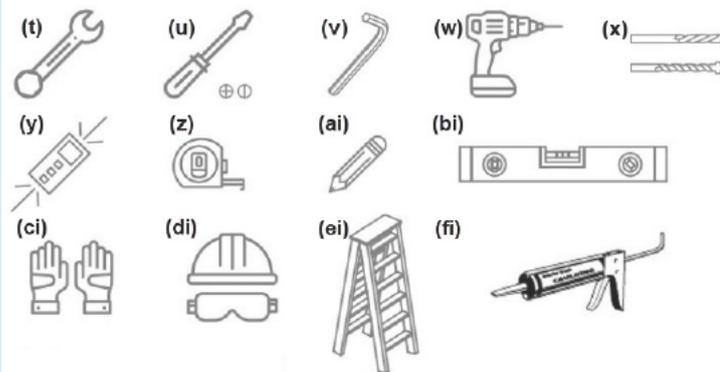
Mounting Accessories

	MOUNTING ACCESSORY
(a) & (b)	Orbital docking accessories (<i>beam fittings</i>) (upper & lower)
(c)	Column foundation pedestal
(d)	Beam column connector
(e) & (f)	Girders (<i>beams</i>) (L) & (W)
(g)	Columns
(h) & (i)	Blade & blade with light
(j)	Transmission rod
(k)	Drive piece
(l)	Screw for beam (M10X25)
(m)	Screw for posts (M10X25)
(n)	Fixed expansion screws (M10X90)
(o)	Motor
(p)	Drive plate (connects to stud) (8**M6*5)
(q)	Stainless steel cross countersunk dovetail screws (ST 3.5*16)
(r)	Plastic decorative cover
(s)	Remote control



Tools and equipment

	TOOLS AND EQUIPMENT
(t)	Ring (Fork Key) 10mm, 13mm, 17mm
(u)	Screwdriver <i>Phillips & flat blade</i>
(v)	Hex / Imbus keys 3mm, 4mm, 6mm, 8mm
(w)	Electric hand drill
(x)	Drill bit 010, 012
(y)	Laser measure and/or gauge
(z)	Hand meter
(ai)	Pencil / Marker
(bi)	Spirit level
(ci)	Working gloves
(di)	Helmet and protective eyewear
(ei)	Ladder
(fi)	Glue gun



01

POSITION THE BASE

- A** Draw *W* and *L* lines
- B** Check $D1=D2$
- C** Mark base & hole positions

ON THIS PAGE

- A** Draw *W* and *L* lines
- B** Check $D1=D2$
- C** Mark base & hole positions

A Draw *W* and *L* lines

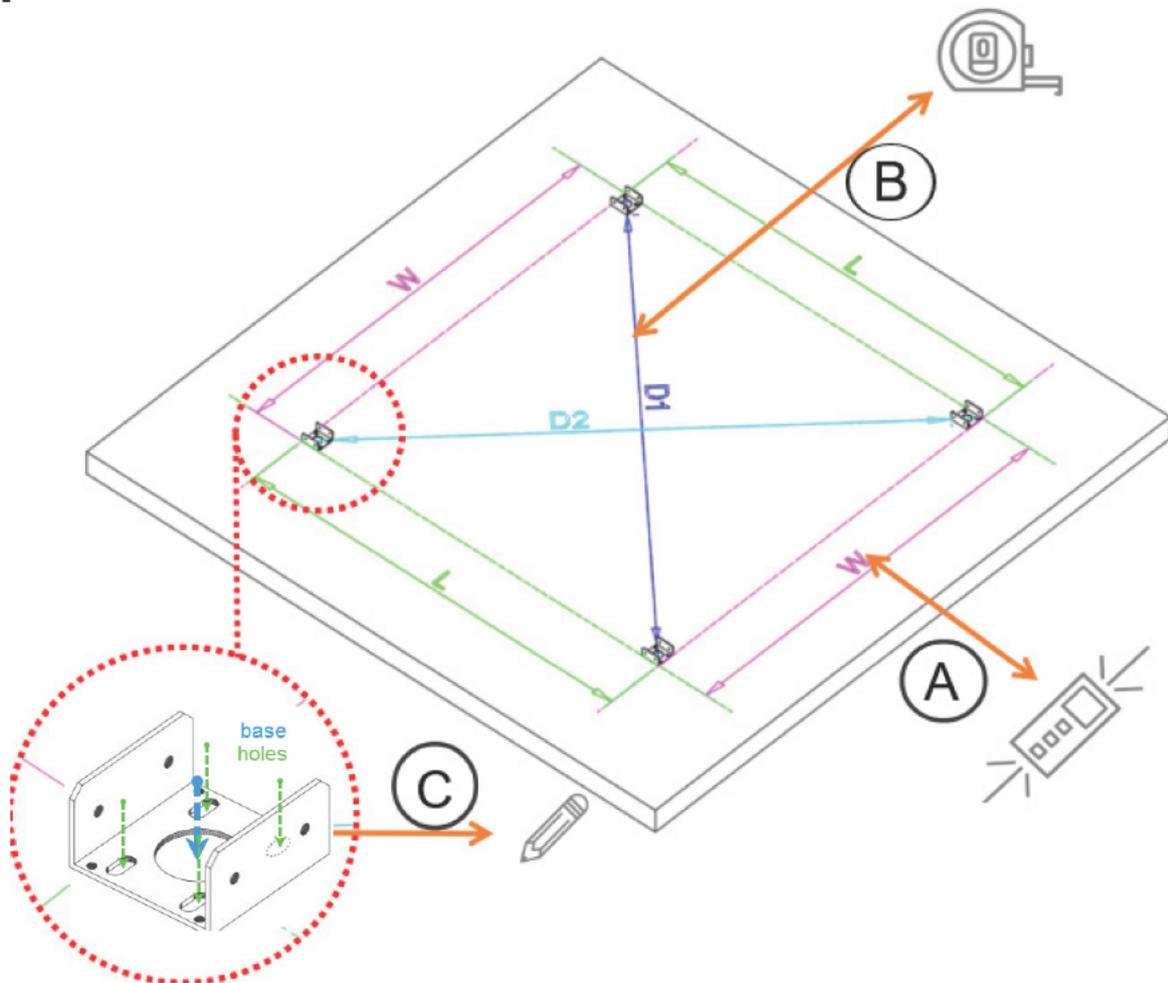
- Use a **laser measure** to draw **W** and **L** lines on the ground (representing the **width** and **length** of the pergola base respectively).

B Check $D1=D2$

- Use a **measuring tape** to check that $D1=D2$ (such that the diagonal space between the corners is the same).

C Mark base & hole positions

- Use a **pencil or pen** to mark the **base** and **hole** positions in the **column foundation pedestal** at each corner of the base.



02

INSTALL THE BASE

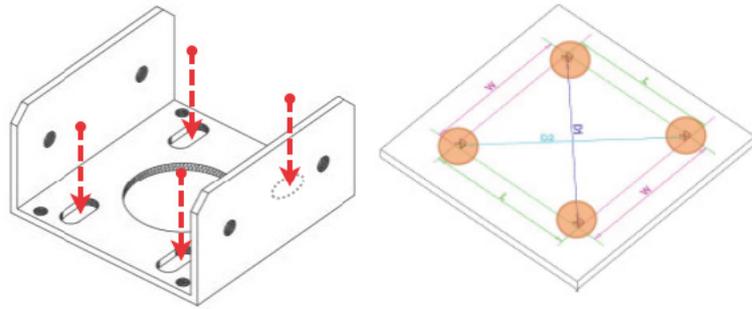
- A** Drill 10mm holes
- B** Place screws
- C** Attach screws to base

ON THIS PAGE

- A** Drill 10mm holes
- B** Place screws
- C** Attach screws to base

A Drill 10mm holes

- Use an **electric drill** with the **10mm drill bit** to **drill** 4x10mm holes in the ground through the holes of the **column foundation pedestal**
- **Repeat 3x** for **each corner of the base**

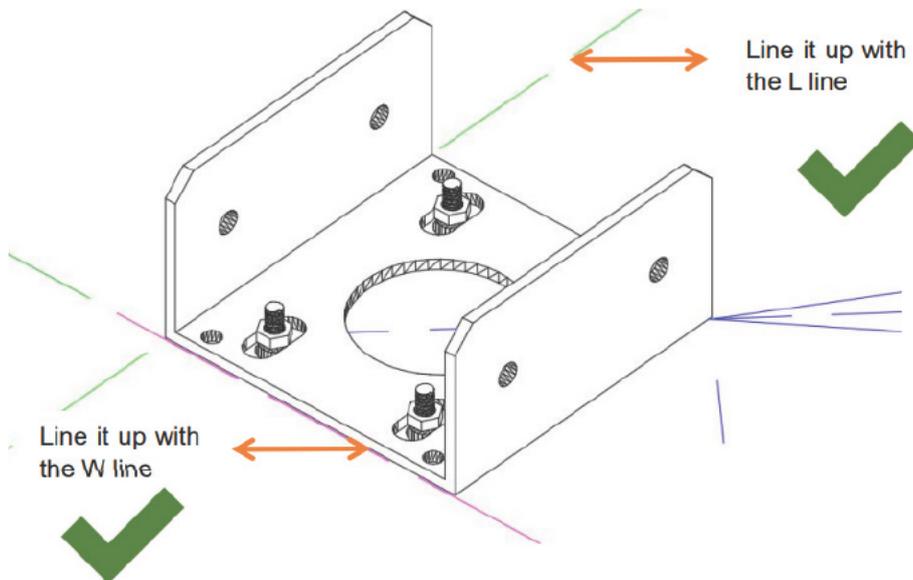
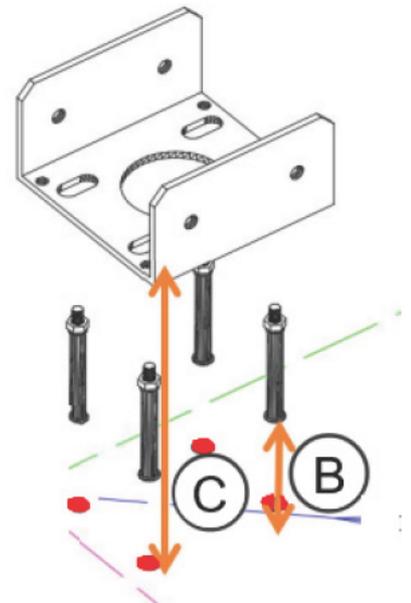


B Place screws

- Place 4 M10X90 **fixed expansion screws** into the drilled **holes**

C Attach screws to base

- Place the **column foundation pedestal** on the **fixed expansion screws** (repeat 3x for **each corner of the base**)
- Tighten the **fixed expansion screws**



03

INSTALL THE COLUMNS

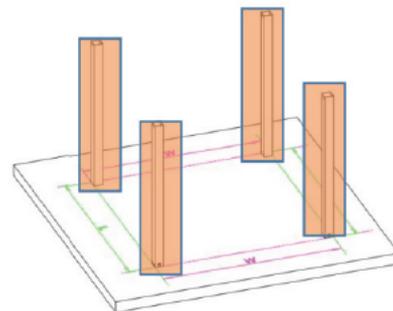
- (A) Place columns
- (B) Secure columns

ON THIS PAGE

- (A) Place columns
- (B) Secure columns

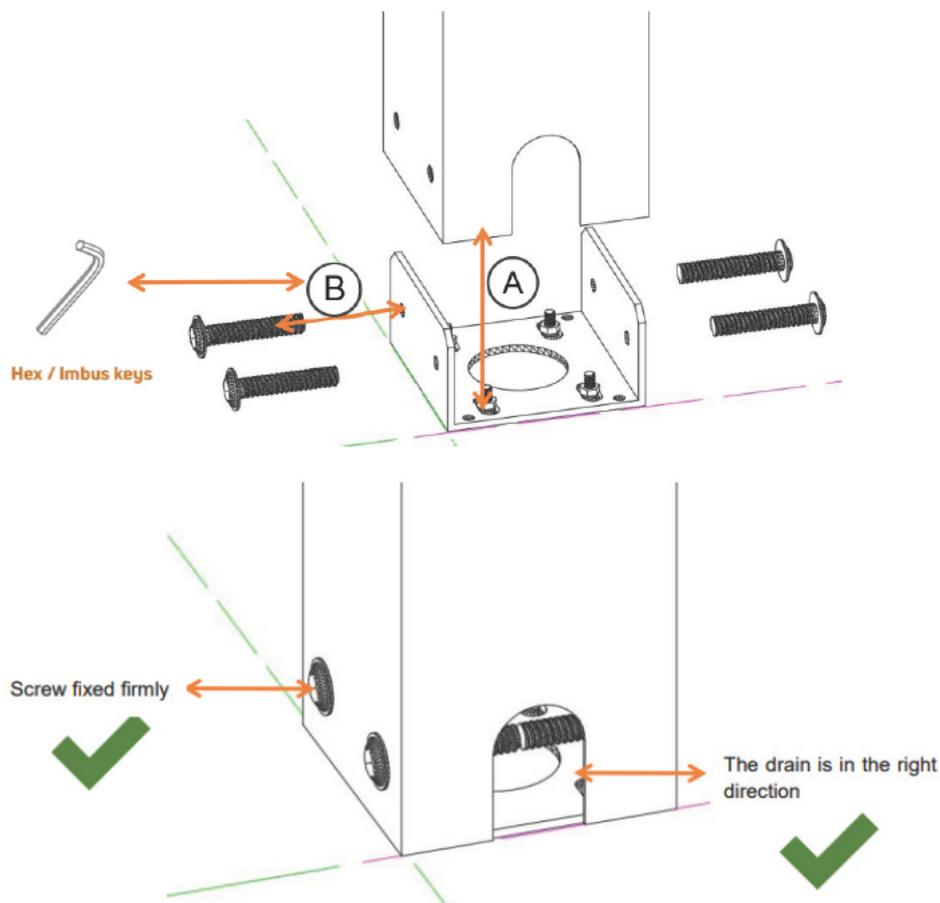
(A) Place columns

- Place the **columns** on the **column foundation pedestals** (on **each corner of the base**)



(B) Secure columns

- Secure the **columns** to the **column foundation pedestals** using the **M10X25 screws** (on **each corner of the base**)



04 INSTALL THE BEAMS

- A** Attach beams to fittings
- B** Attach fitting to column
- C** Attach cover

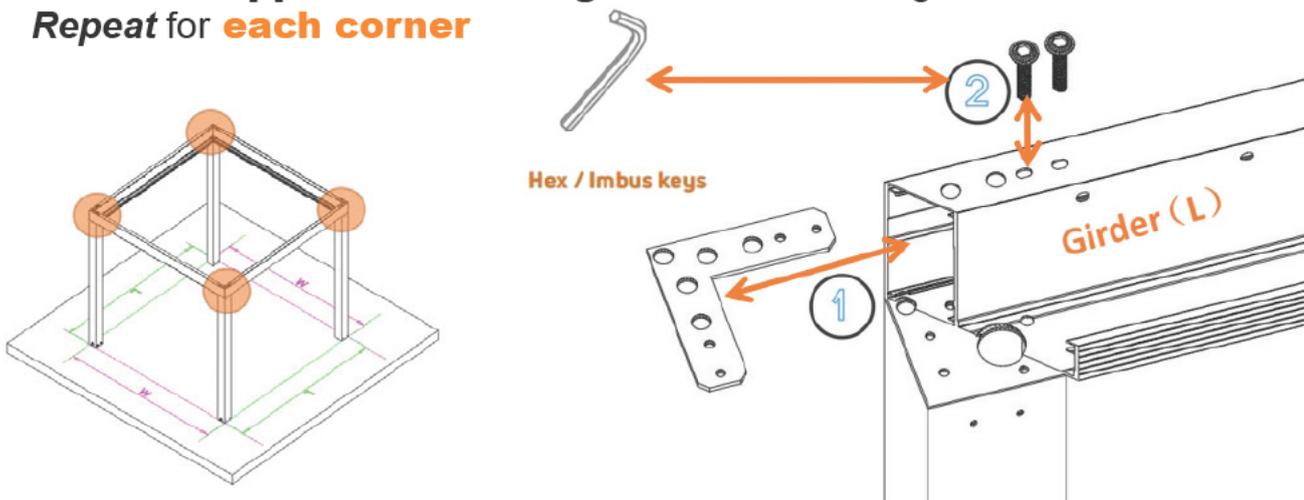
ON THIS PAGE

- A** Attach beams to fittings
 - Upper beam fitting
 - Lower beam fitting

A Attach beams to fittings

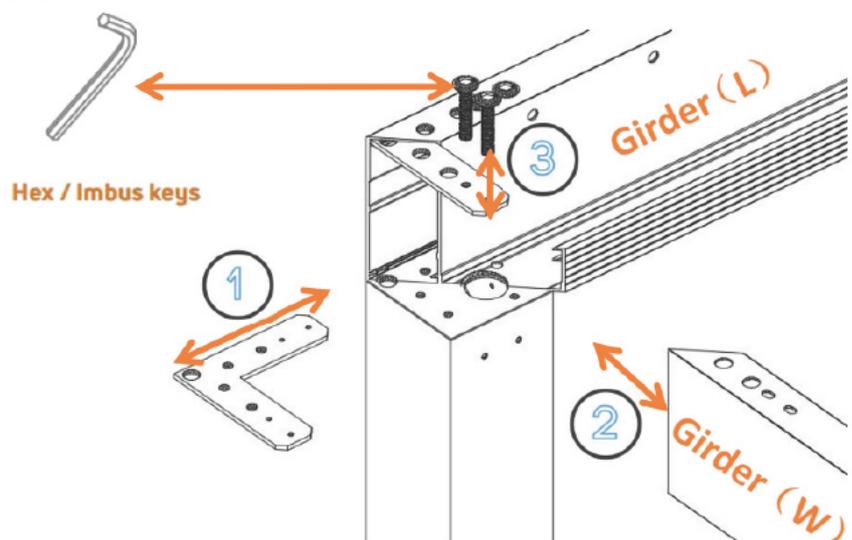
Upper beam fitting

1. Insert the **orbital docking accessory** (upper beam fitting) into the upper part of the **(L) girder** ((L) beam).
2. Secure the **upper beam fitting** to the **beam** using **M10X25 screws**
 - Repeat for **each corner**



Lower beam fitting

1. Insert the **orbital docking accessory** (lower beam fitting) into the lower part of the **(L) beam**
2. Insert the **(W) beam**
3. Secure the **lower beam fitting** to the **beam** using **M10X25 screws**
 - Repeat for **each corner**



04 INSTALL THE BEAMS

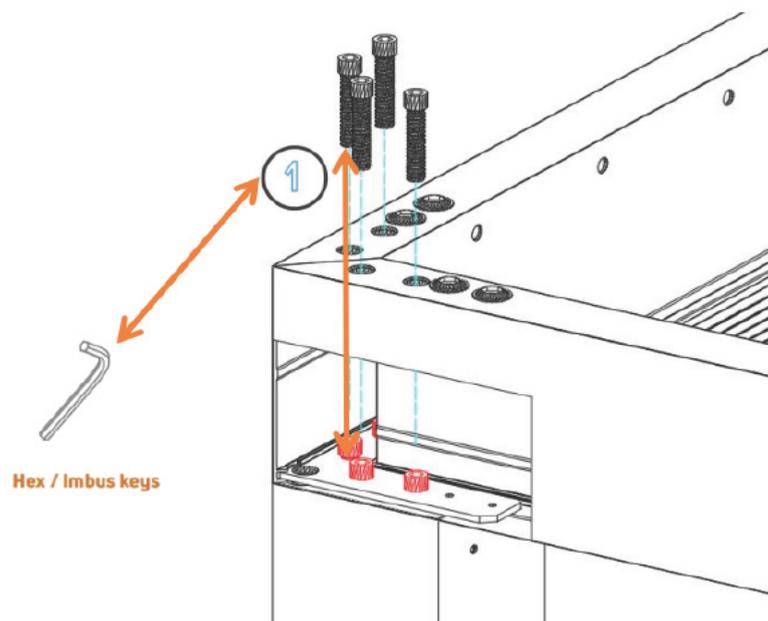
- A** Attach beams to fittings
- B** Attach fitting to column
- C** Attach cover

ON THIS PAGE

- B** Attach fitting to column
- C** Attach cover

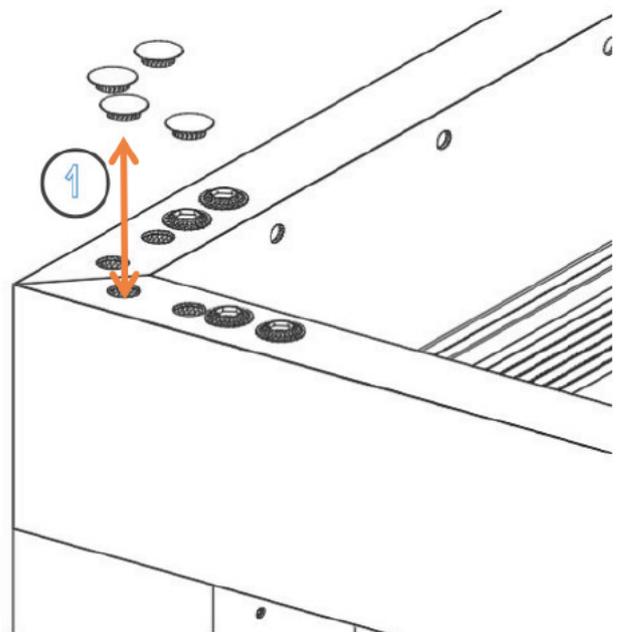
B Attach fitting to column

1. Attach the **beams** to the **column** using **M10X25 screws**
 - Repeat for **each column**



C Attach cover

1. Place 4 20mm **plastic decorative covers** in the slots on top of the **beams**
 - Repeat for **each corner**



05

APPLY SEALANT

A Fill joints with sealant

ON THIS PAGE

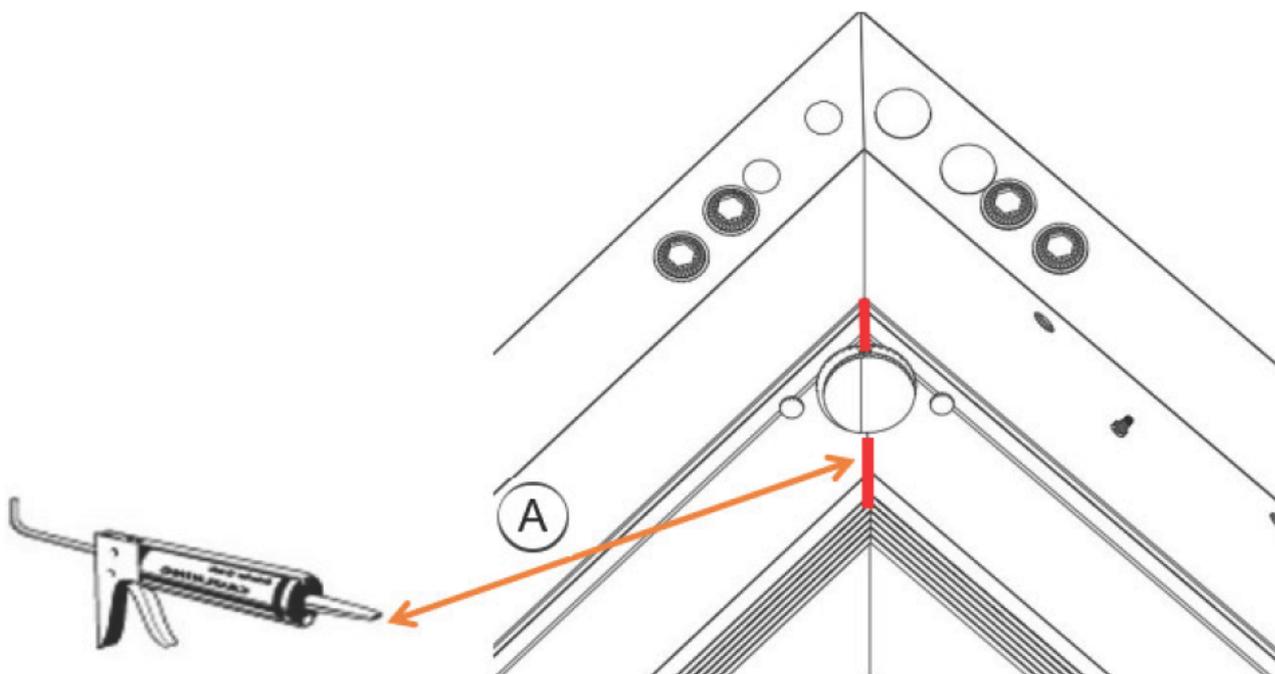
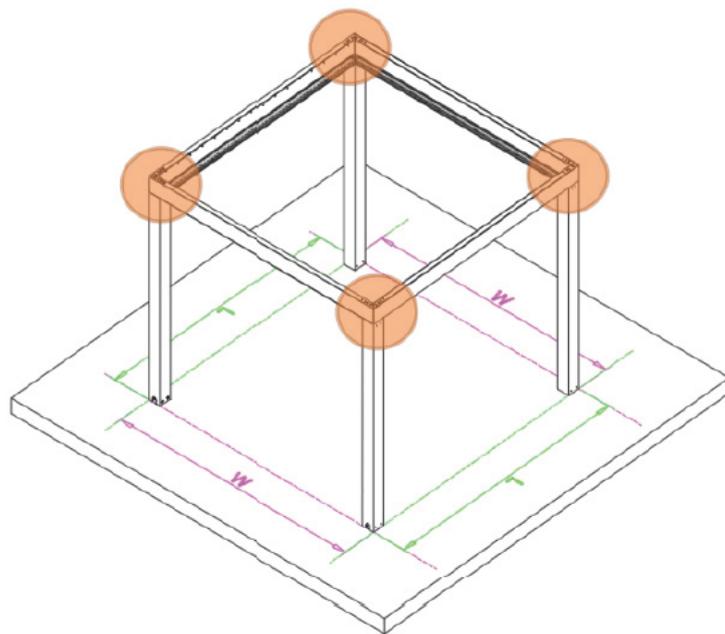
A Fill joints with sealant

A Fill joints with sealant

- Use the **glue gun** to fill the **joint** with waterproof sealant
- **Repeat** for **each corner**

! NOTE:

To avoid water leakage, fill ALL corner docking positions (joints) with waterproof sealant



06 CONNECT CABLES

A Blade motor unit

B LED light

C Roller blinds

ON THIS PAGE

A Blade motor unit

B LED light

C Roller blinds

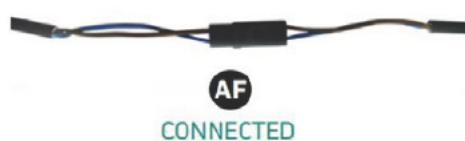
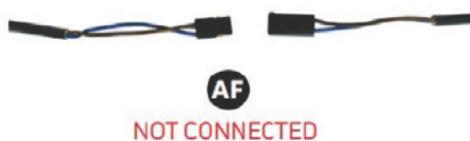
A Blade motor unit (x1)

- **Connect** the **blade motor unit** cable to the socket (as pictured below)



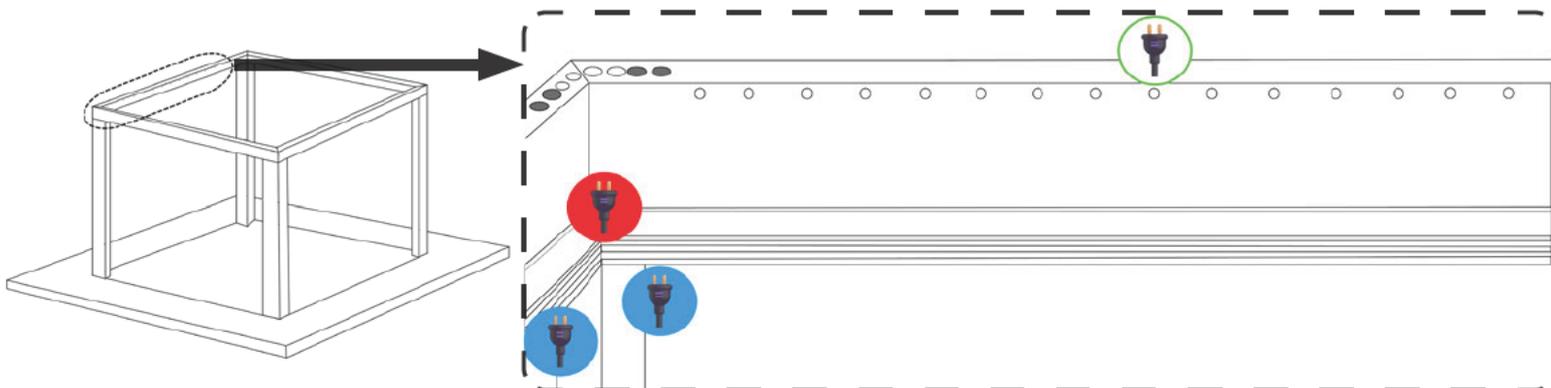
B LED light (x4)

- **Connect** the **LED light** cables to the sockets (as pictured below)
- **Repeat** for each corner of the pergola



C Roller blinds (x8)

- **Connect** the **roller blind** cables to the sockets (as pictured below)
- **Repeat** for each *inward-facing side* (2) of each *column* (4) of the pergola



- **Once connections have been made, the pergola system may be connected to an external power source**

07

ASSEMBLE THE BLADES

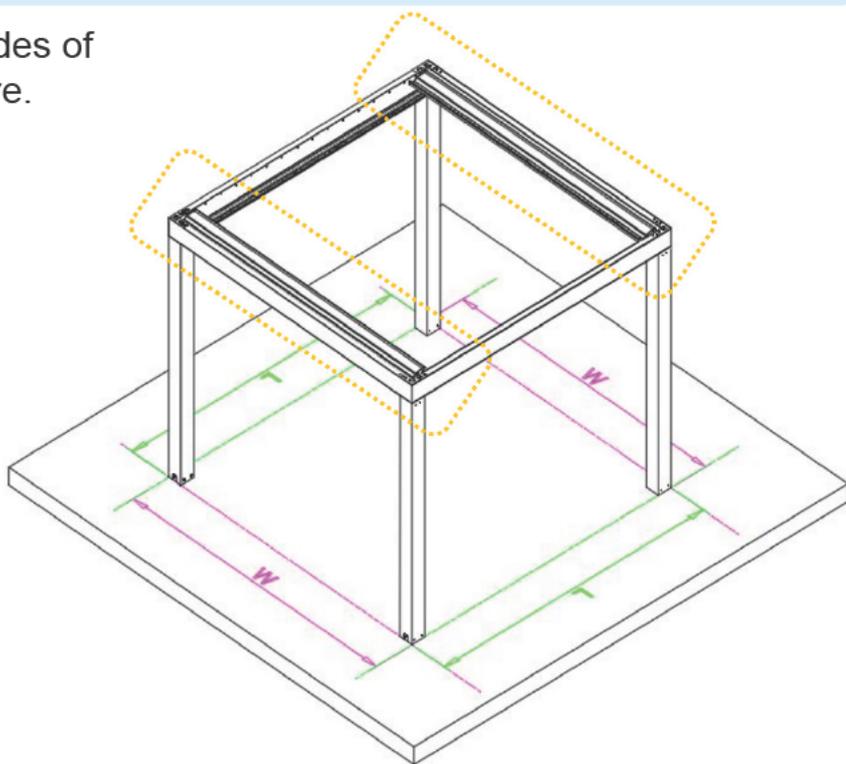
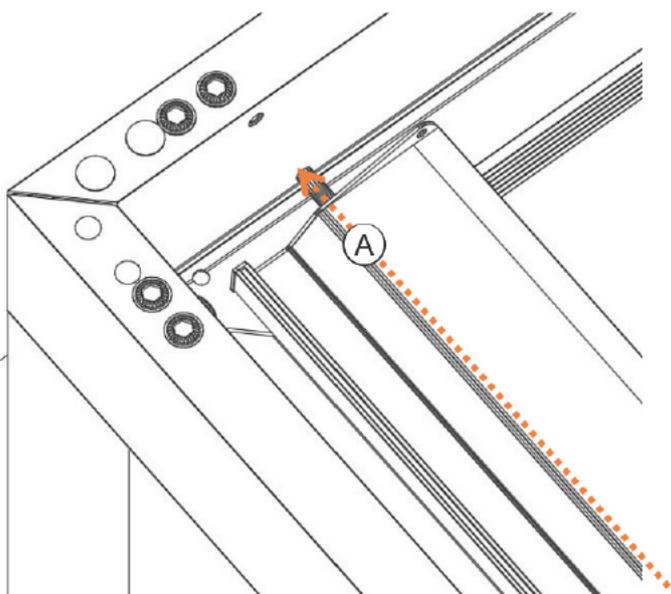
- A** Insert blades
- B** Connect blades to beam
- C** Connect LED lights

ON THIS PAGE

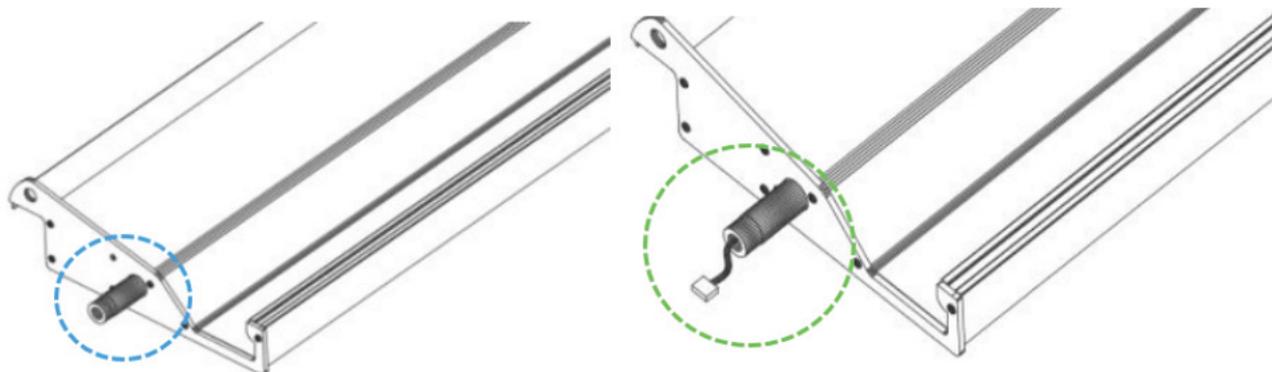
- A** Insert blades

A Insert blades

- **Blades** are **inserted** along the W sides of the pergola at both ends of the structure.



- To properly **insert** the **blades**, insert the **protruding rod** on one side of the blade and push towards the other side to ensure the **rods** on both sides of the blade connect to the pergola. If the blade is equipped with lights, the side of the blade with a **wired rod** must be inserted first.



07

ASSEMBLE THE BLADES

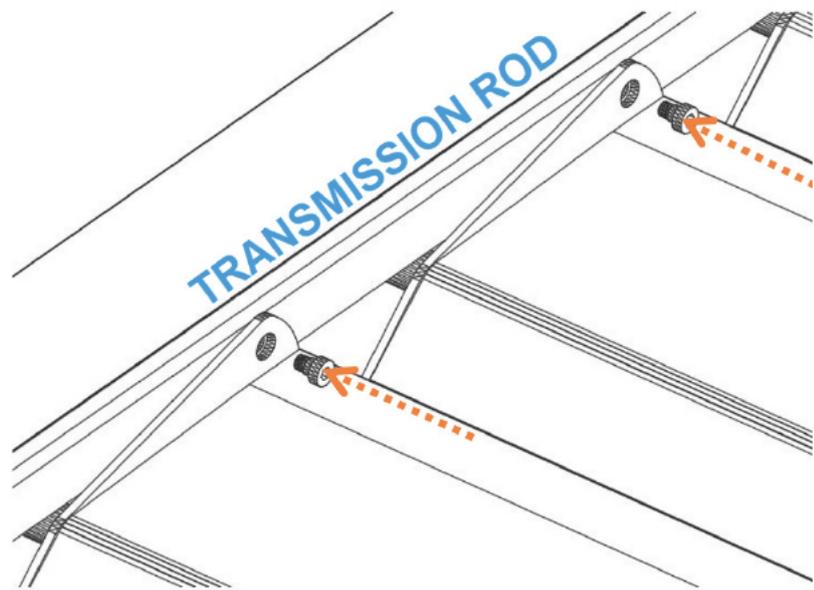
- A** Insert blades
- B** Connect blades to beam
- C** Connect LED lights

ON THIS PAGE

- B** Connect blades to beam
- C** Connect LED lights

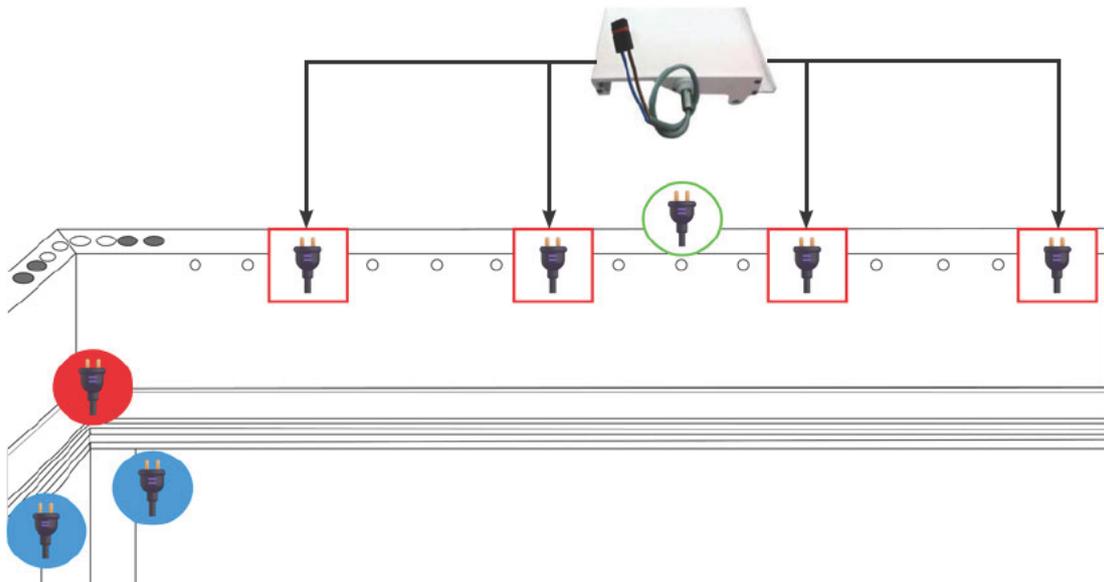
B Connect blades to beam

- **Blades** are attached to the transmission rod with **M6*5 screws** using a **Hex / Imbus key**.
- The **transmission rod** must be positioned on the same end as the **motor** and **drive piece (installed in Step 08)**.
- Repeat for all **blades**



C Connect LED lights (x4)

- **Connect** the **LED light** plug and sockets to AF joint (as pictured below)
- **Connect 4x LED lights** on the side of the pergola with the **motor**



08 INSTALL MOTOR

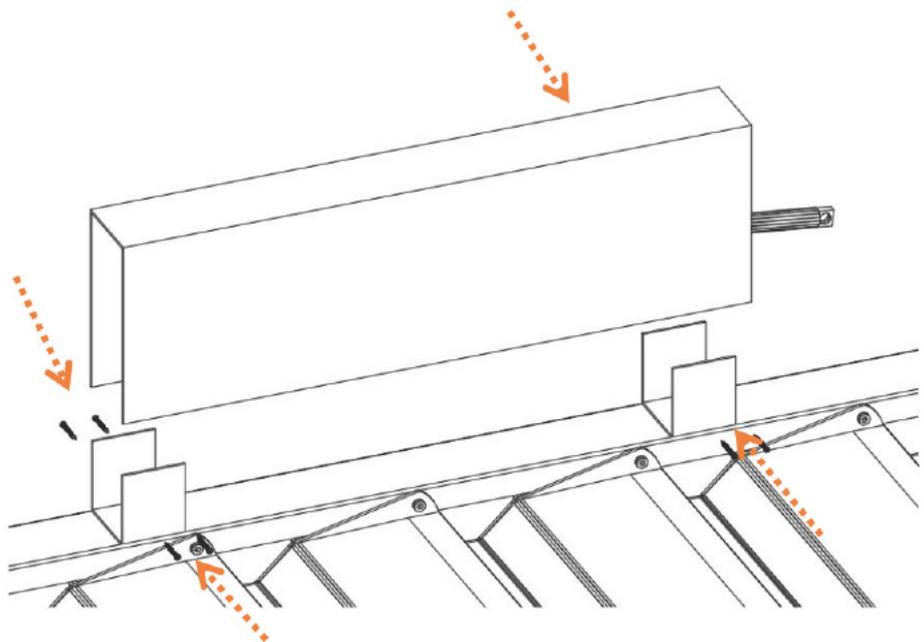
- A** *Install motor*
- B** *Connect motor*

ON THIS PAGE

- A** *Install motor*
- B** *Connect motor*

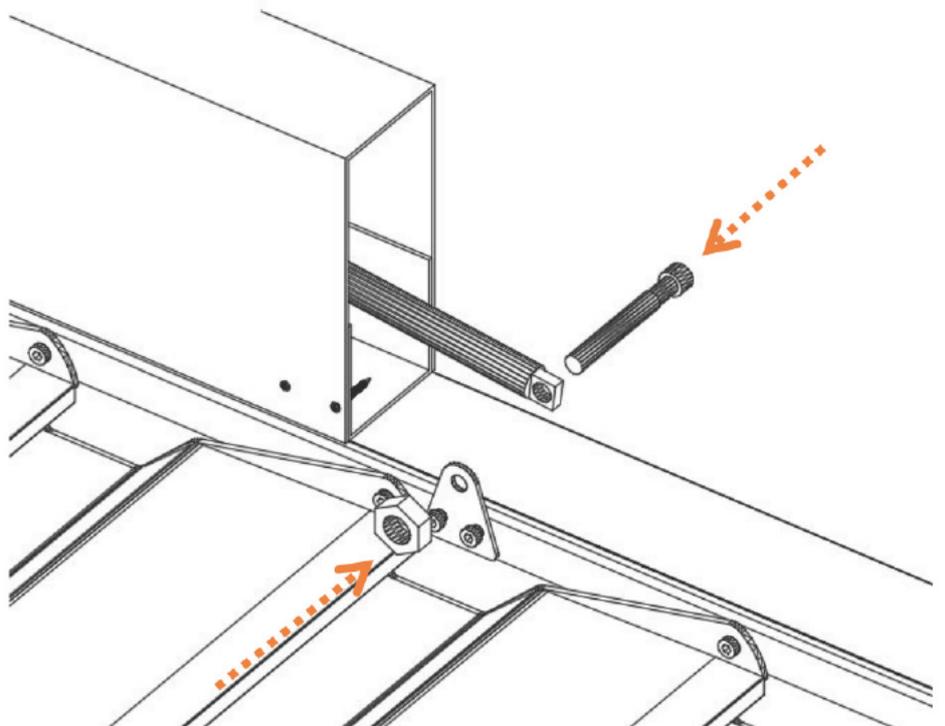
A *Install motor*

- Place the **motor** over the U-shaped brackets
- Secure using the **electric hand drill** with **ST 3.5*16 screws** at the **marked positions**



B *Connect motor*

- Connect the **motor** to the **drive piece** (attached to the transmission rod) using the **electric hand drill** with a **M 8*50 screw**



09

TEST FUNCTIONALITIES

- A** Check connections
- B** Check motor and blades
- C** Check lights

ON THIS PAGE

- A** Check connections
- B** Check motor and blades
- C** Check lights

A Check connections

- Check cables for **LED lights**, **roller blinds**, and the **blade motor unit** to verify correct connections



B Check motor and blades

- Use remote control to **test motor** and **blade** function



C Check lights

- Test the **LED light** function (connections shown in **RED**)

