

oasis

PERGOLA DELUXE



INSTALLATION GUIDE

Issue 1

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If in doubt at any stage

Please contact our Customer Care Team for additional support or advice



0333 321 2353

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INTRODUCTION

Congratulations on the purchase of your Eurocell pergola!

Before you can start enjoying your pergola it must be assembled properly. This manual provides clear instructions for all the steps you must complete for correct assembly of your Eurocell pergola. We recommend that you take the time to read the entire manual before you begin the assembly.

Check whether you have received all the necessary parts before you begin assembly. For your safety, follow all the applicable instructions. This also guarantees the safety of the installed roof. If you should have any questions, please feel free to contact your Eurocell representative.

This manual should be kept in a safe, dry and shady place. In the event of damage or loss, the user must request a new copy of the manual from the partner.

SAFETY PRECAUTIONS AND WARNINGS

Important:

Please read the safety precautions and warnings before assembling the pergola.

- ▶ During assembly, carefully follow the instructions and guidelines as described in this manual. Never change the order of the steps to be performed. If any aspect of the assembly procedure is unclear, please contact your Eurocell representative. We reserve the right to make technical changes without written notice.
- ▶ We normally recommend that the pergola must be assembled by at least two people (qualified technicians/ authorized installers) working together.
- ▶ Check the delivery immediately upon receipt. In the event of damage or an incomplete delivery please contact your representative immediately.
- ▶ The materials must be stored in a dry, ventilated area, not exposed to direct sunlight.
- ▶ Open the packaging carefully. Make sure that you do not damage the product.
- ▶ To prevent damage to your pergola, place the parts on a smooth, clean surface. Place the profiles on a flat surface, protected from sun and rain.
- ▶ Adding or removing parts, the use or installation of materials other than described in this manual, may adversely affect the safety of the pergola and is therefore strongly discouraged!
- ▶ Pay attention and be aware of moving parts. Make sure that all power supply is cut off during the assembly.
- ▶ Cordon off the assembly location so that others are kept at a distance.
- ▶ Always wear the correct protective clothing (work gloves, dust mask, safety glasses, shoes with non-slip soles, etc.) during installation or servicing.
- ▶ Mount the system against a firm, flat wall and on a flat and stable foundation. Ensure that the wall and the ground are clean and dry.
- ▶ **Never** step or walk on the panel system.
- ▶ You must maintain and clean your pergola at least once a year. During this yearly maintenance make sure all fasteners are properly tightened.
- ▶ Dispose the product in accordance with local laws and regulations.
- ▶ It is forbidden to tamper with the bioclimatic pergola system.
- ▶ When safety regulations and instructions are not followed correctly, Eurocell will not accept responsibility for damage(s) and injuries.

PRODUCT DESCRIPTION

The Pinela Deluxe is a bioclimatic pergola system with a retractable and rotatable panel system. The retractable Pinela Deluxe panels can be opened. When opened it can give an open roof space of 79% of the total covered area, due to the synchronized movement of the smooth designed panels.

When closed, the panels will protect you from the sun and rain. The Pinela Deluxe can also carry limited and defined snow loads (see below).

The pergolas have an integrated Somfy Tubular Motor and is operated by the radio control transmitter.

Available dimensions of the Pinela Deluxe:

Width	3000	3500	4000		
Projection (mm)	3014	3571	4128	4964	6078*
Panel width (mm)	3154 (projection 27.9 cm/panel)				

*Additional side pillar is added at the Pinela Deluxe with a projection of 6078mm

Note: All pillars have a length/height of 350cm and don't have a foot base / base plate.

When assembled as a freestanding pergola with additional mounting bracket, the maximum gutter height is 250cm. The extra length of the pillar is to prevent collapsing.

Optional additions:

- ▶ Perimeter lighting system
- ▶ Mounting bracket for pillar

Snow load & Wind resistance

The snow load and wind resistance is adaptable to the steel construction according to the statically calculated profile section and connection type.

Snow load (kg/m²):

No. panels:	Projections (mm)	Width (mm)		
		3000	3500	4000
10	3014	245	223	195
12	3571	229	195	173
14	4128	190	156	132
17	4964	98	78	68
21	6078	243	221	193

- ▶ Max. wind resistance for all available dimensions: 24.7 m/s (10 Beaufort / 0.38 kN/m²) in open position.

Placement options:

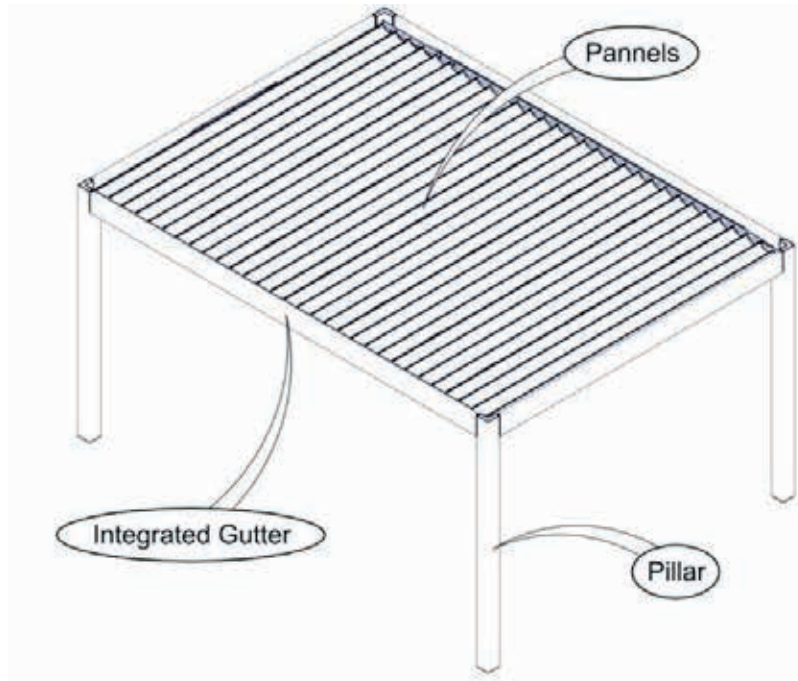
It is possible to place the Pinela Deluxe freestanding or mounted to a wall.



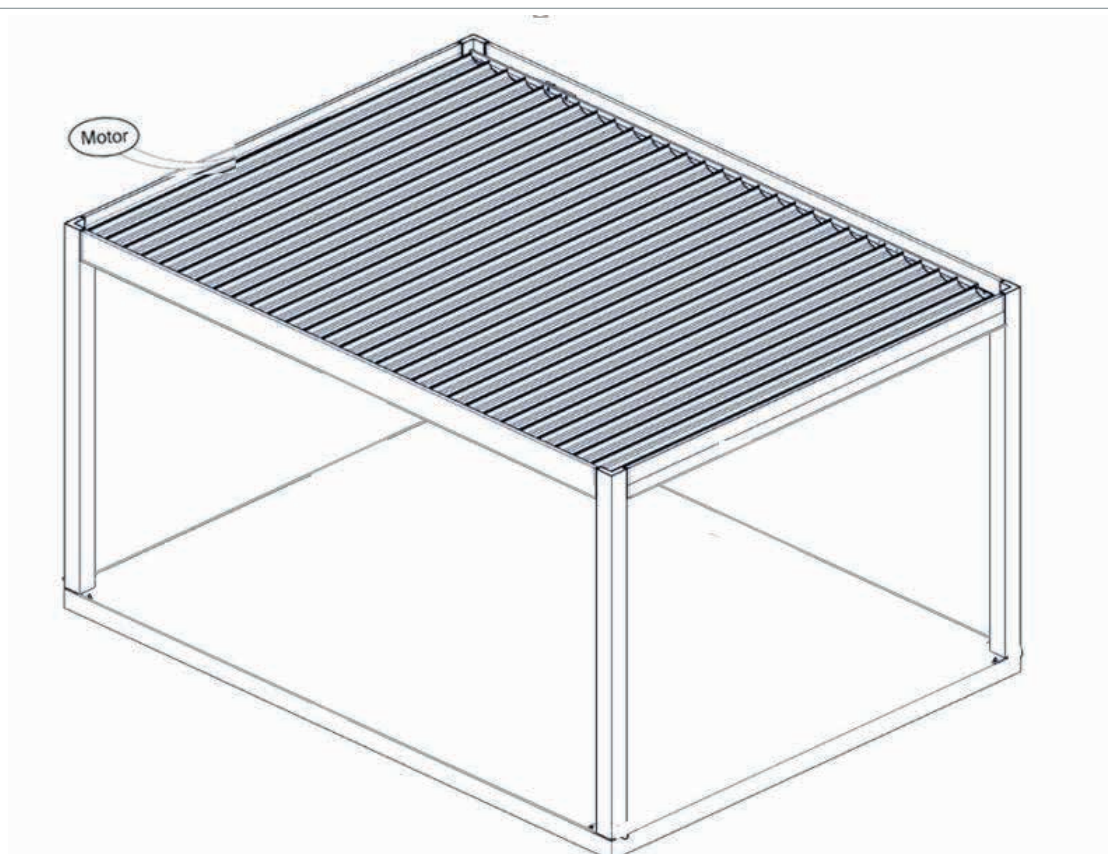
4. PARTS OVERVIEW

TERMINOLOGY

4.1

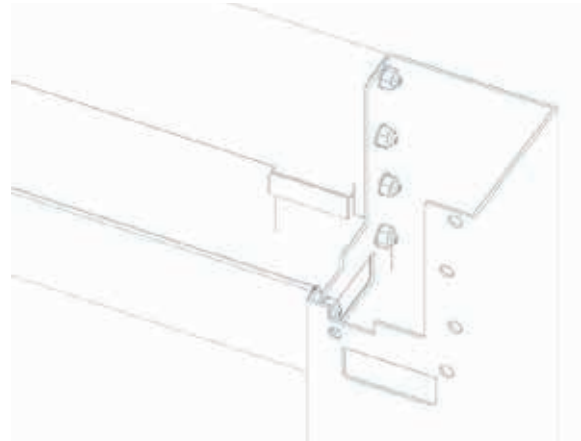
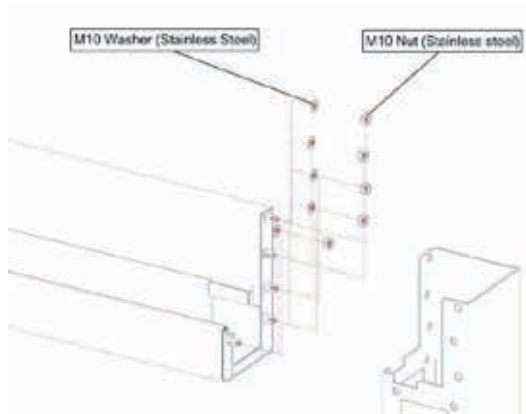


The motor requires 230V / 50Hz. If you have added a LED lighting strip to your Pinela Deluxe, you must use the lighting control box. The control box requires 230V / 50-60Hz as well.



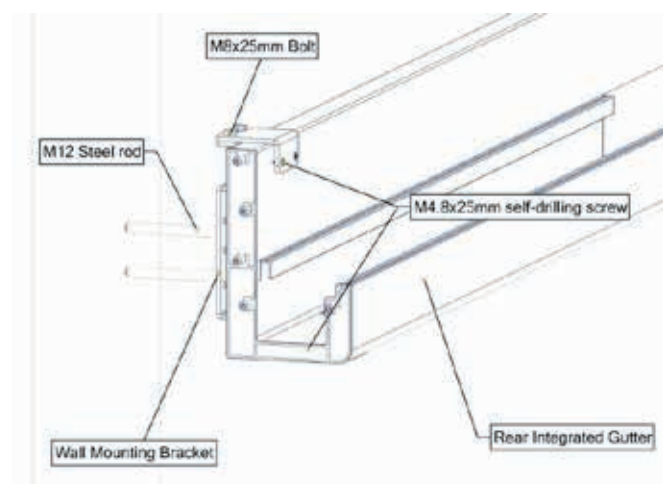
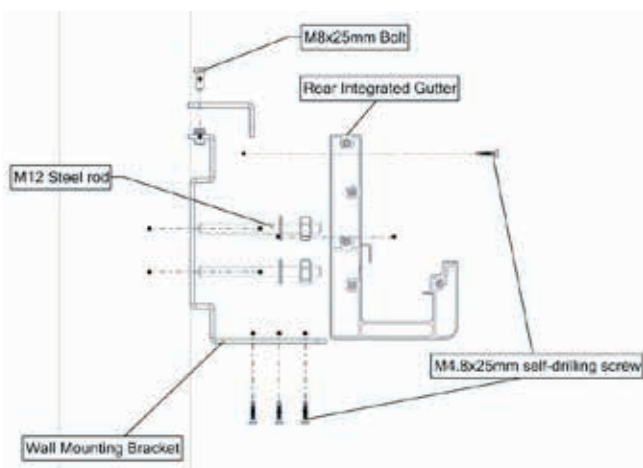
HARDWARE DETAILS

4.2



Integrated gutter – Pillar connection (Freestanding)

- a. M10 nut Stainless Steel
- b. M10 washer Stainless Steel

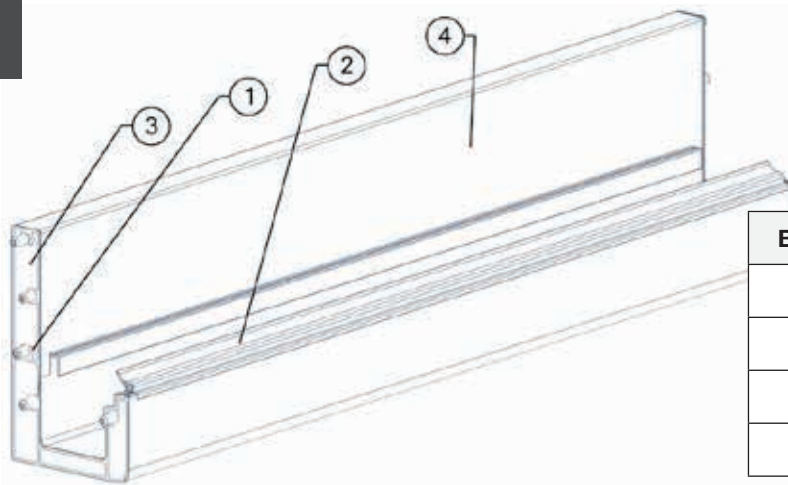


Integrated gutter – Wall bracket (Wall mounting)

- a. M8x25mm Bolt
- b. M4,8x25mm self-drilling screw

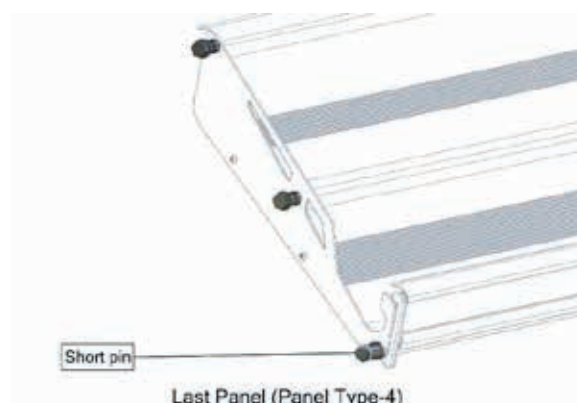
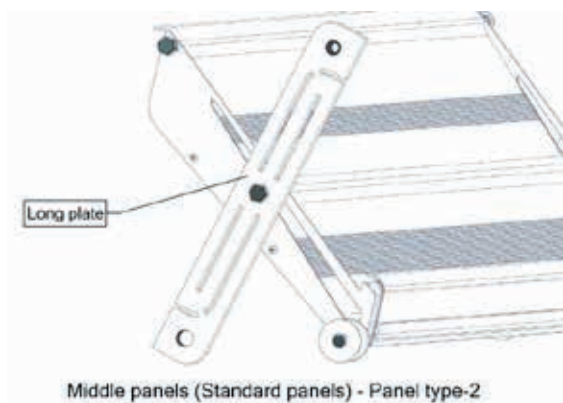
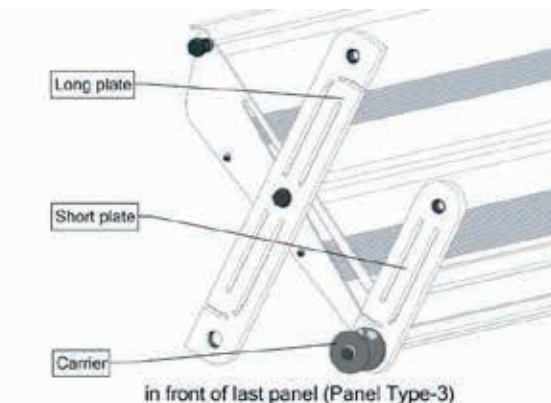
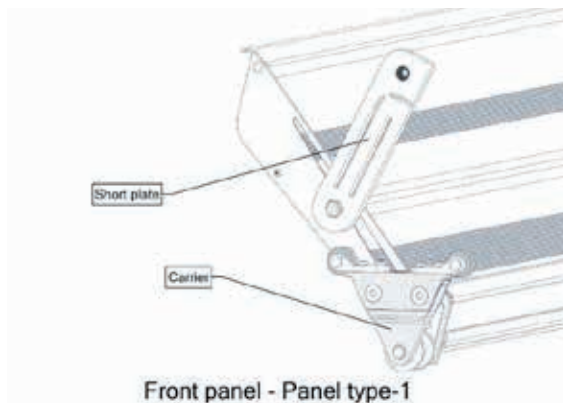
EXPLODED VIEW

4.3

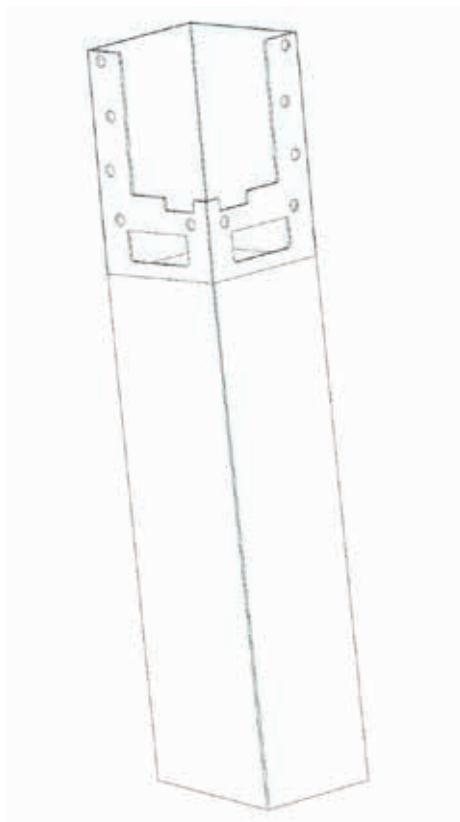


BOM ID	Description	Qty
1	M10 x 60mm stay bolt	10
2	3571	1
3	Side gasket	10
4	Integrated gutter profile	1

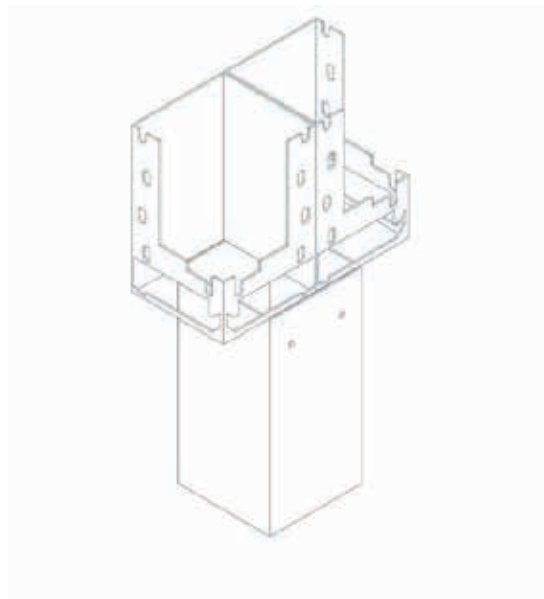
4.3.1. Exploded view - Integrated Gutter



4.3.2 Exploded view - Panels



4.3.3 Exploded view pillar



Two module connector

4.4

DELIVERY INSPECTION



Note: Always carefully check the delivered items against the accompanying delivery note to ensure that the quantity and quality are correct. Any visible defects must be reported in writing within 7 days of delivery.

Note:

- ▶ Boxes with red label: Electronic parts like Control Unit Box, Remote Controls.
- ▶ Boxes with blue label: Metal parts like U Brackets, Mounting brackets, Pillar caps.

5. PREPARATION FOR ASSEMBLY

5.1 CONDITIONS FOR ASSEMBLY

Ground & façade

- ▶ A good flat stable surface is required for construction of the pergola.
- ▶ The location where the system will be placed must be construction-ready and free of obstacles (garden furniture, flower boxes, etc.) so installers can perform their work without hindrance.
- ▶ Any obstacles, including utility lines (such as power cables, etc.), roots and debris, must have been removed from the ground.
- ▶ The façade must be free of sun shades, etc.
- ▶ The area where the wall profile will be placed must be firm, even and flat.

Attachments at walls

- ▶ Due to expansion of the materials, the pergola may not be placed tightly between two walls; there must be a gap of 1.5 mm per metre of width of the pergola.

Rubber seals

- ▶ A Eurocell pergola is standard equipped with pre-assembled rubber seals.
- ▶ If the rubber seals are deformed, they can be straightened with a little heat, from a hot air heater or hair dryer for example.

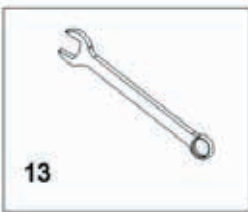
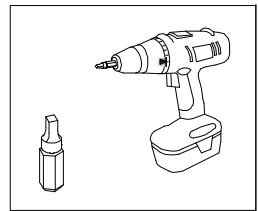
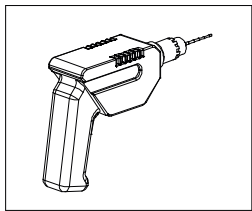
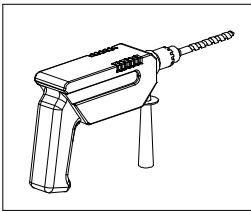
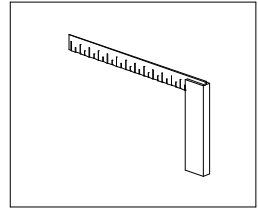
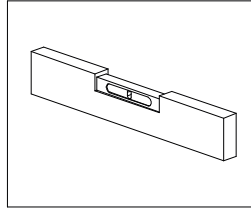
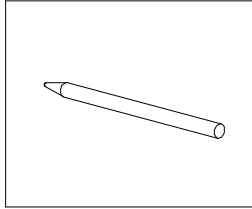
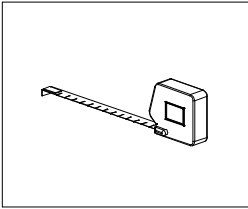
Remove protective film

- ▶ It is recommended that the protective film be removed from the aluminium parts at the last possible moment, to prevent damage. When mounting the different parts, however, the edges of the protective film must be pulled back a few centimetres towards the middle of the sheet so the film does not get stuck in the profiles; otherwise it will be difficult to remove later.

Warranty is void if the Pinela Deluxe pergola is not assembled and installed in accordance with the instructions.

5.2 INSPECTION OF TOOLS AND ACCESSORIES

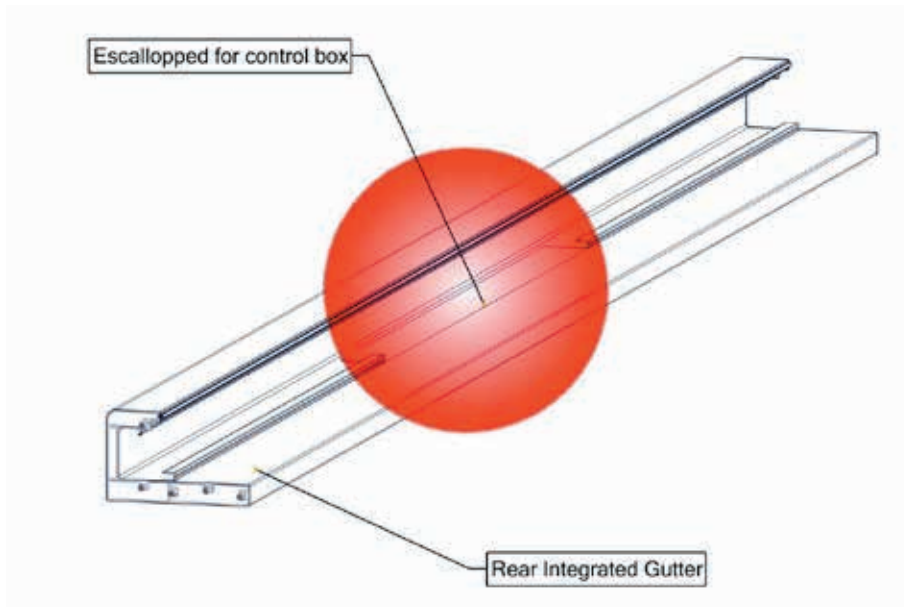
5.2



6. ASSEMBLY

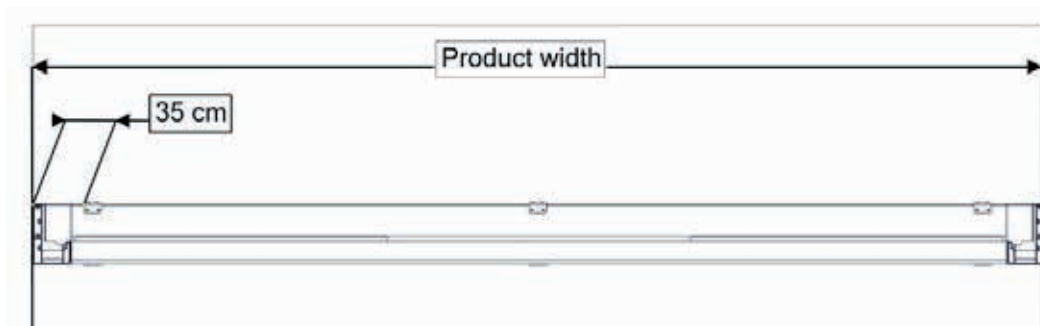
You can assemble the Pinela Deluxe by following the next steps.

Note: The rear integrated gutter has been escalloped CNC machine in order to place the motor tube.

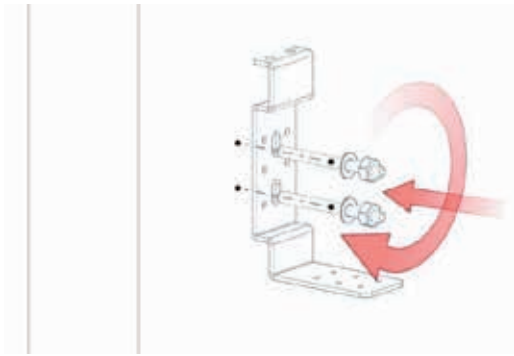


6.1 MOUNTING THE WALL PROFILE (IN CASE OF WALL INSTALLATION)

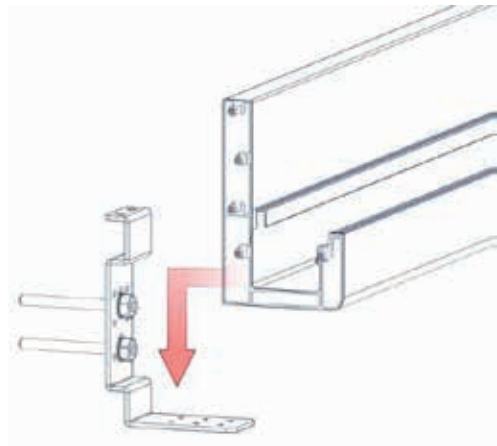
6.1



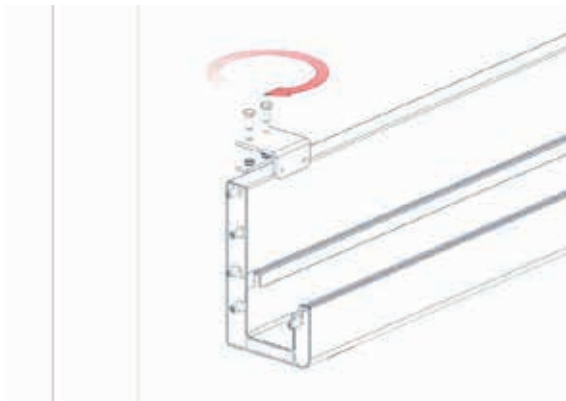
1. Define the wall mounting bracket position on the wall.



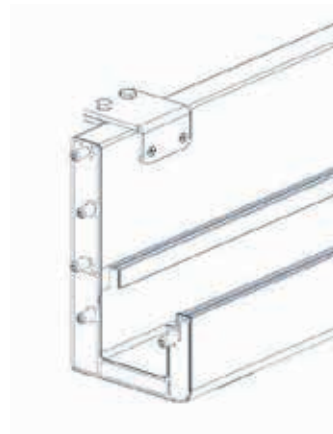
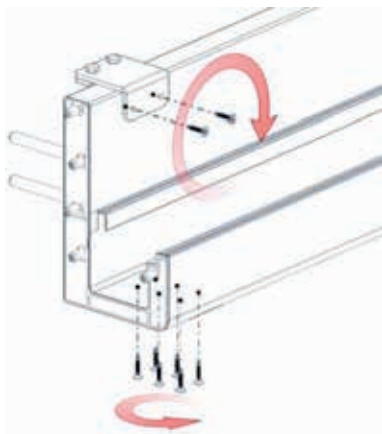
2. Fasten the brackets to the wall. Use the correct hardware for your situation. We suggest a minimum size of M12.



3. Place the integrated gutter on the wall mounting bracket.



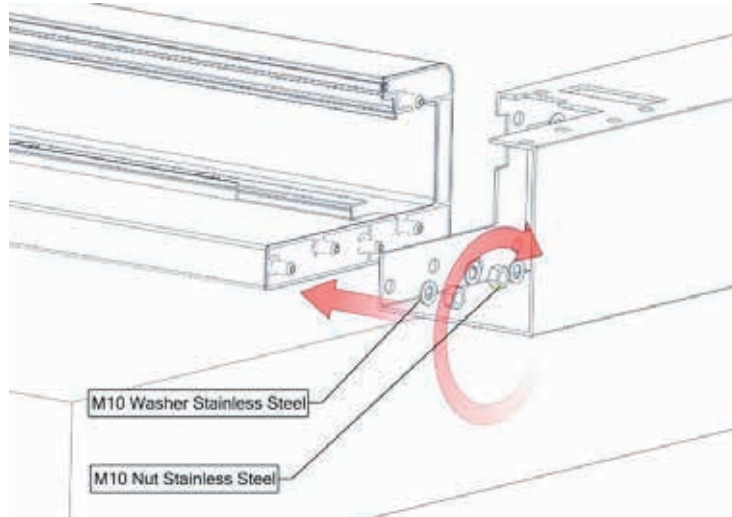
4. Fasten the wall mounting bracket cover on top and tighten it with M8x25mm bolts.



5. Fix the self-drilling screws to the integrated gutter and wall mounting bracket.

6.2 PILLAR AND INTEGRATED GUTTER CONNECTION

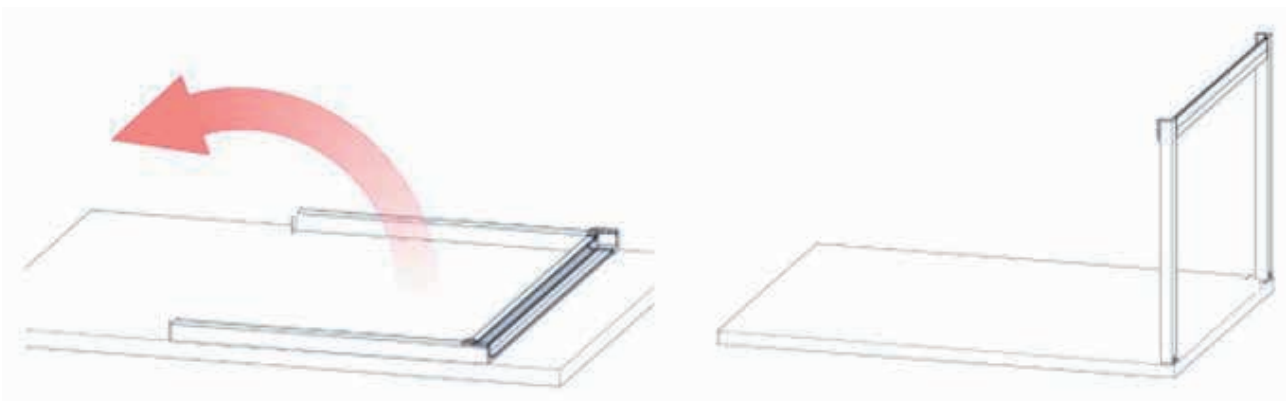
6.2

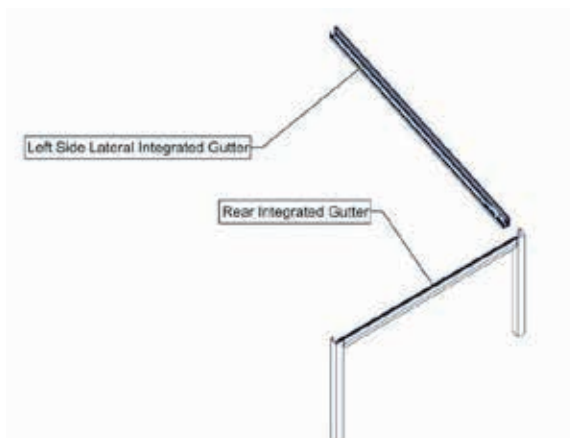


1. Fix the aluminium pillar and rear integrated gutter on both sides on the ground with M10 Sealed Nuts as shown as above figure.

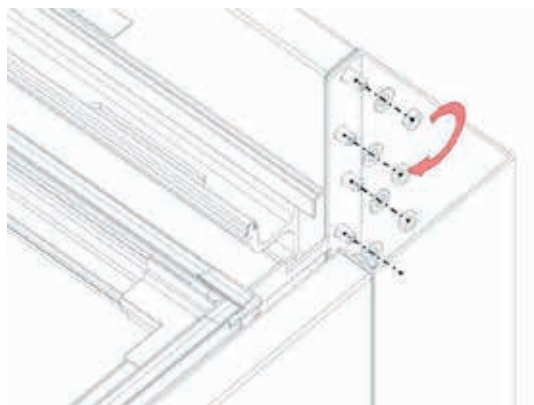
Note:

- ▶ Lift up the rear frame.
- ▶ Don't work alone. You may need an extra hand.
- ▶ Rear frame should be lifted up and fixed to the ground.

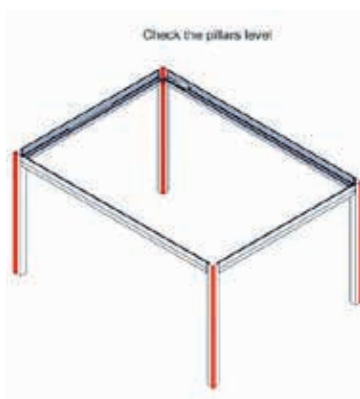
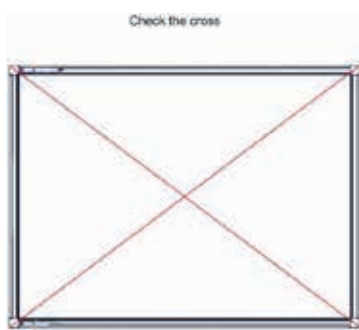




3. Connect the integrated gutter and lateral integrated gutter in a position as shown at above figure.



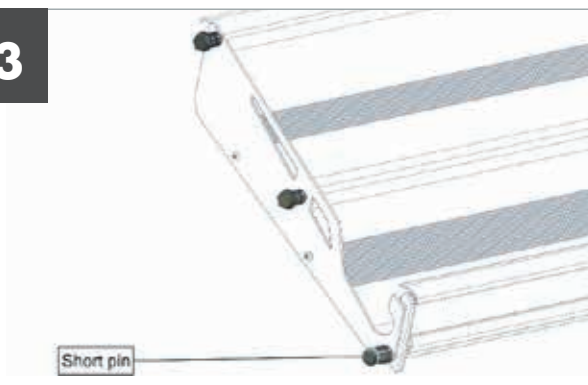
4. Fix the lateral side integrated gutter to the rear integrated gutter with M10 Sealed Nuts.



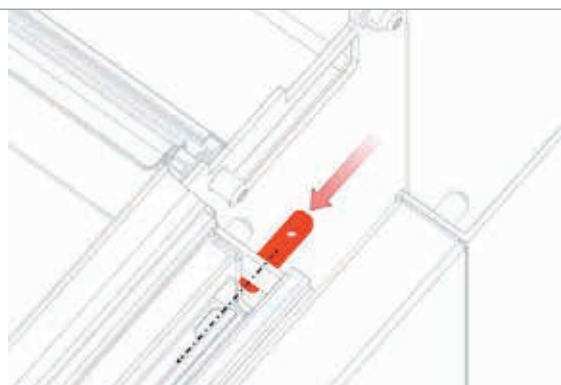
5. Check if the structure is level on all sides.

6.3 PANEL INSTALLATION

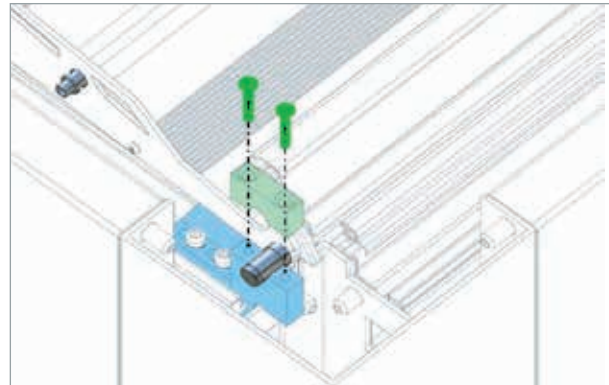
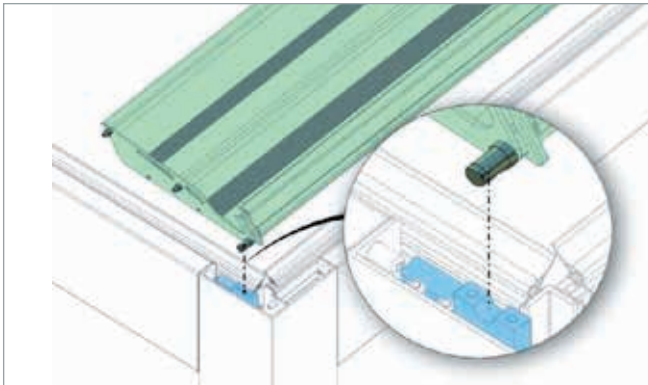
6.3



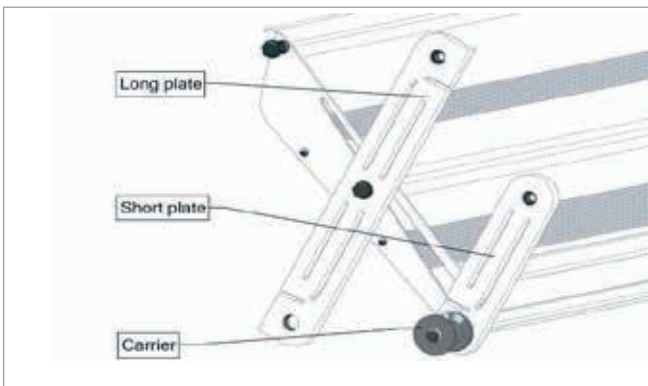
1. When placing the panels, start at rear(motor side). The rear panel has a short pin.



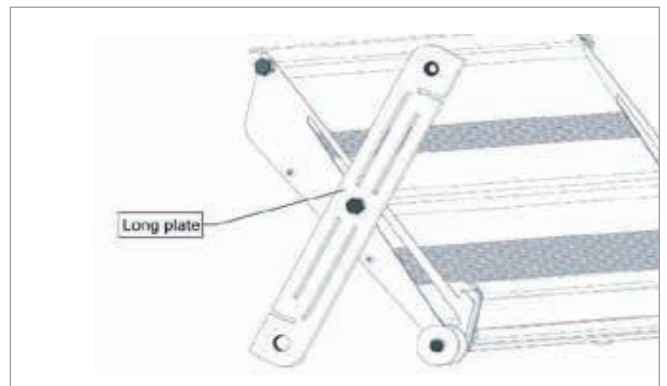
2. First the panel should be installed into the pin housing. If it's not pre-installed, install it first into the gutter with the housing carrier as shown above.



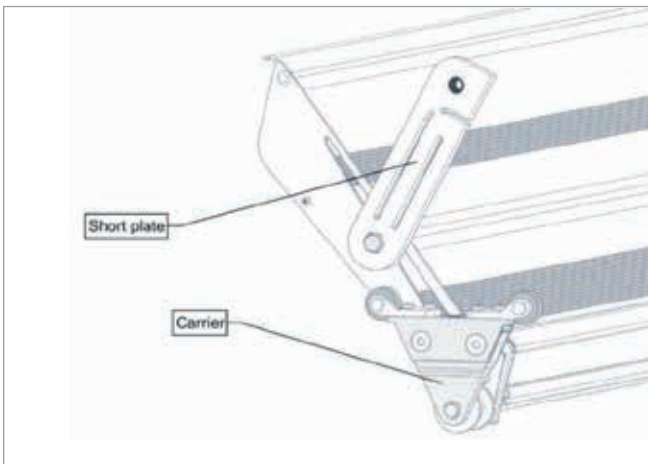
3. Place the short pin into the housing and fix it with the clamp and the a M5 countersunk head bolt.



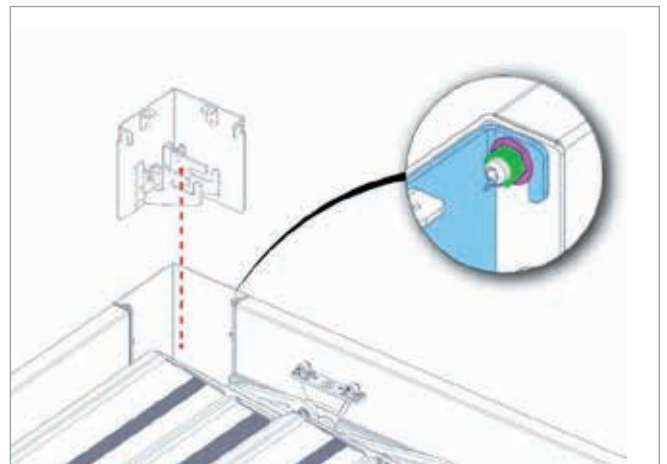
4. When you fixed the short panel, the next panel in line is a type-3 panel. There is a short plate, a long plate and its carrier. Place the panel in front of the first panel and fasten with the M6 special bolts.



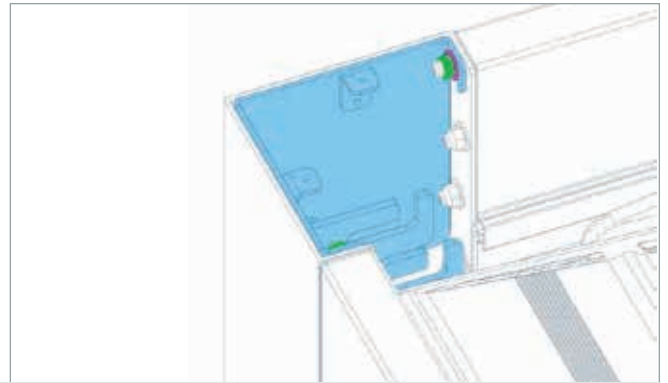
5. In front of the panel type-3 there should be standard panels (the number of panels depends on your projection). The standard panels are all the same.



6. The last panel is the panel with a locomotive carrier.



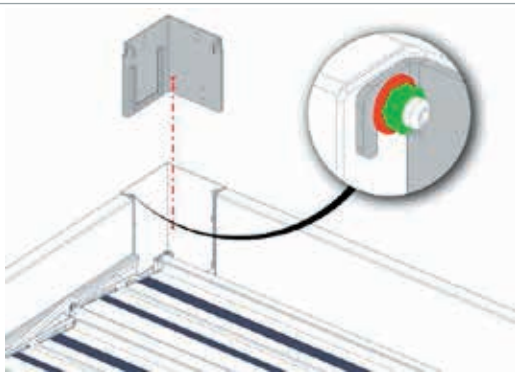
7. This is the front house mechanism placing; The gear housing should be on each side. The housing has to be aligned with your projection direction.



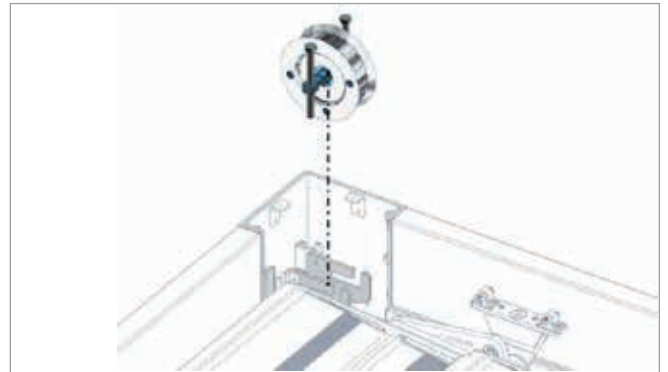
8. The bracket's housing will fit exactly on the pins. After that place the washer and fasten the nuts.

6.4 REAR MECHANISM HOUSE PLACING

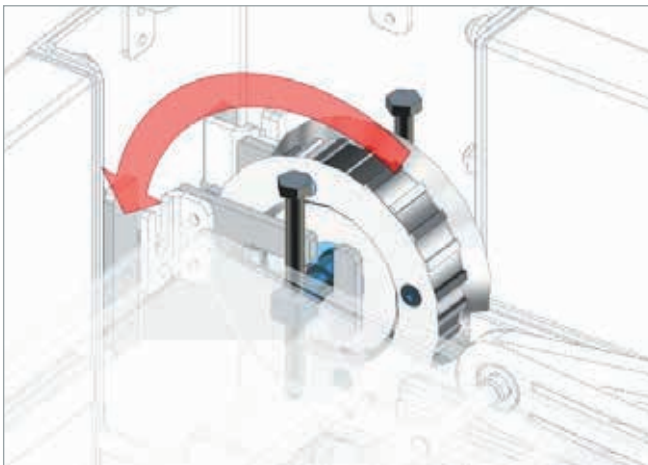
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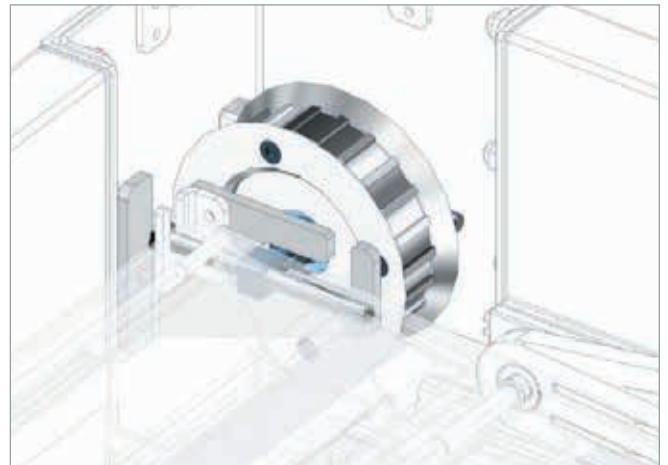
1. There is a suitable bracket for each side.



2. Place the front gear into the 'front mechanism house'.

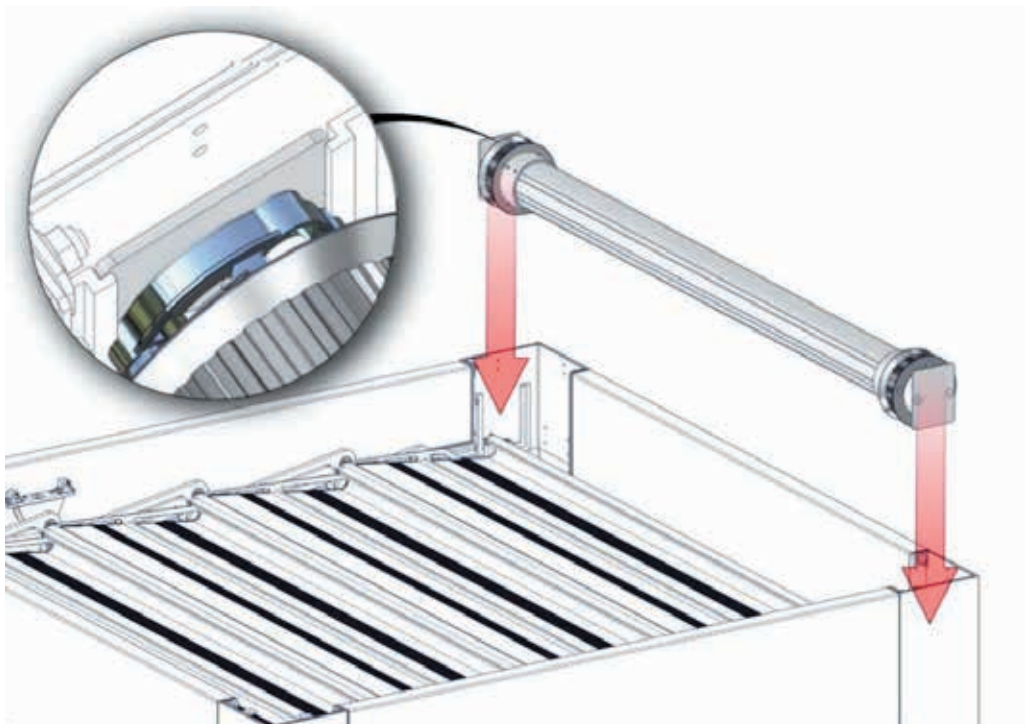


3. Turn and place the stretching bolts. The stretching bolts must be placed in the related housing.



6.5 PLACE THE TUBE-MOTOR SET

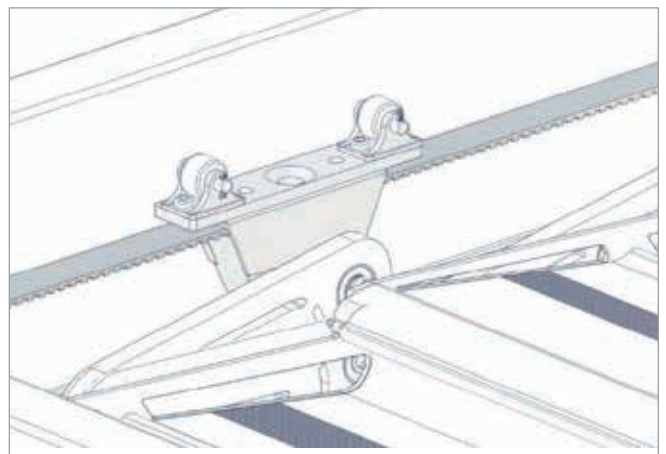
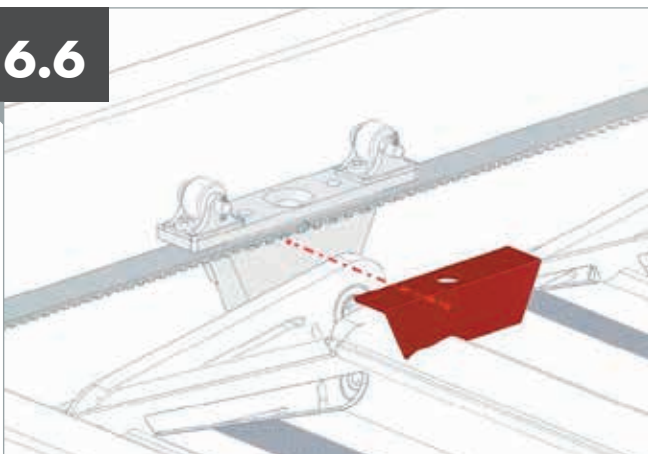
6.5



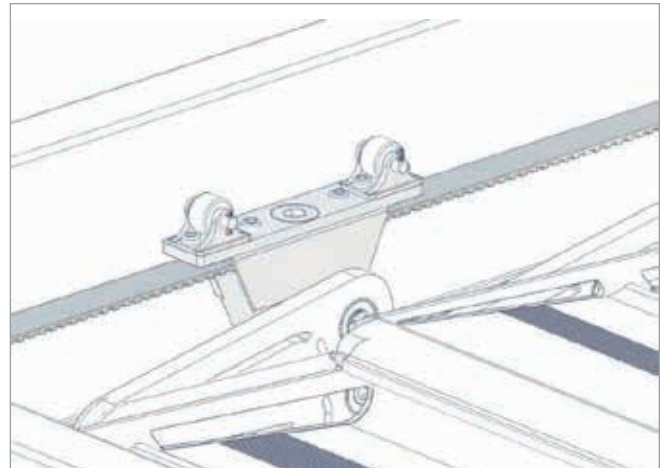
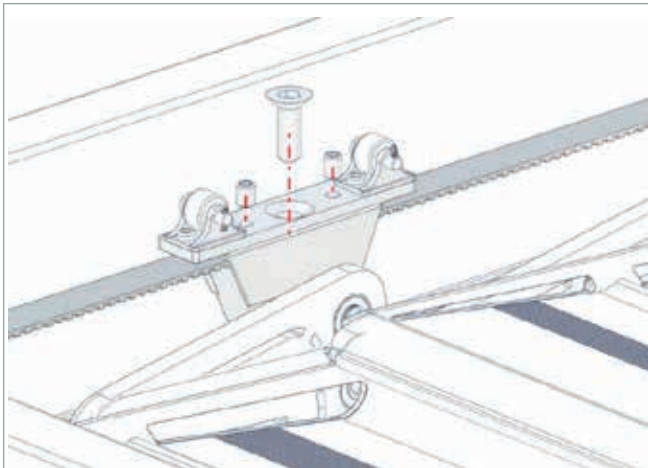
1. The tubular motor set has to be on the rear side of the pergola. It has a square plate that fits exactly in the rear housing bracket as shown above.

6.6 RAIL BELT INSTALLATION

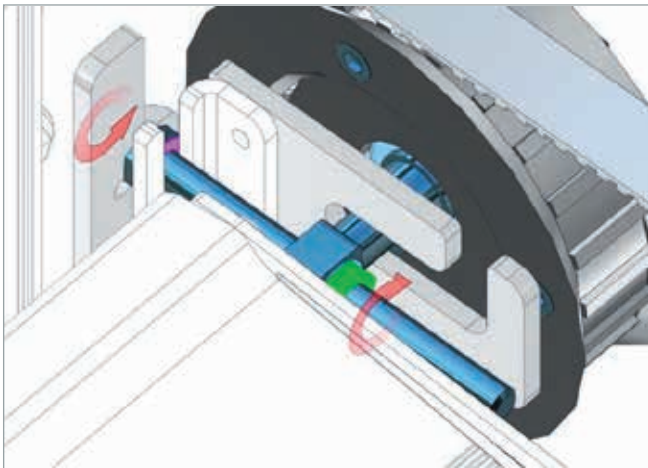
6.6



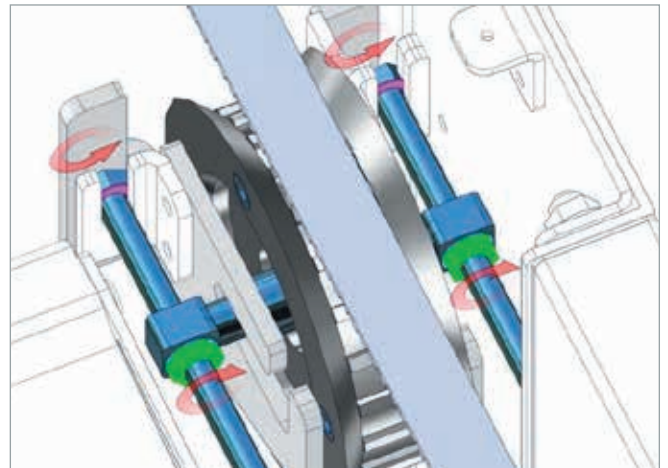
1. The rail belt is exactly on size. The rail belt goes over the front and back gear. The belt connection point should be in the centre of the locomotive carrier.



2. Fasten the brackets with a stay bolt and countersunk head bolt.



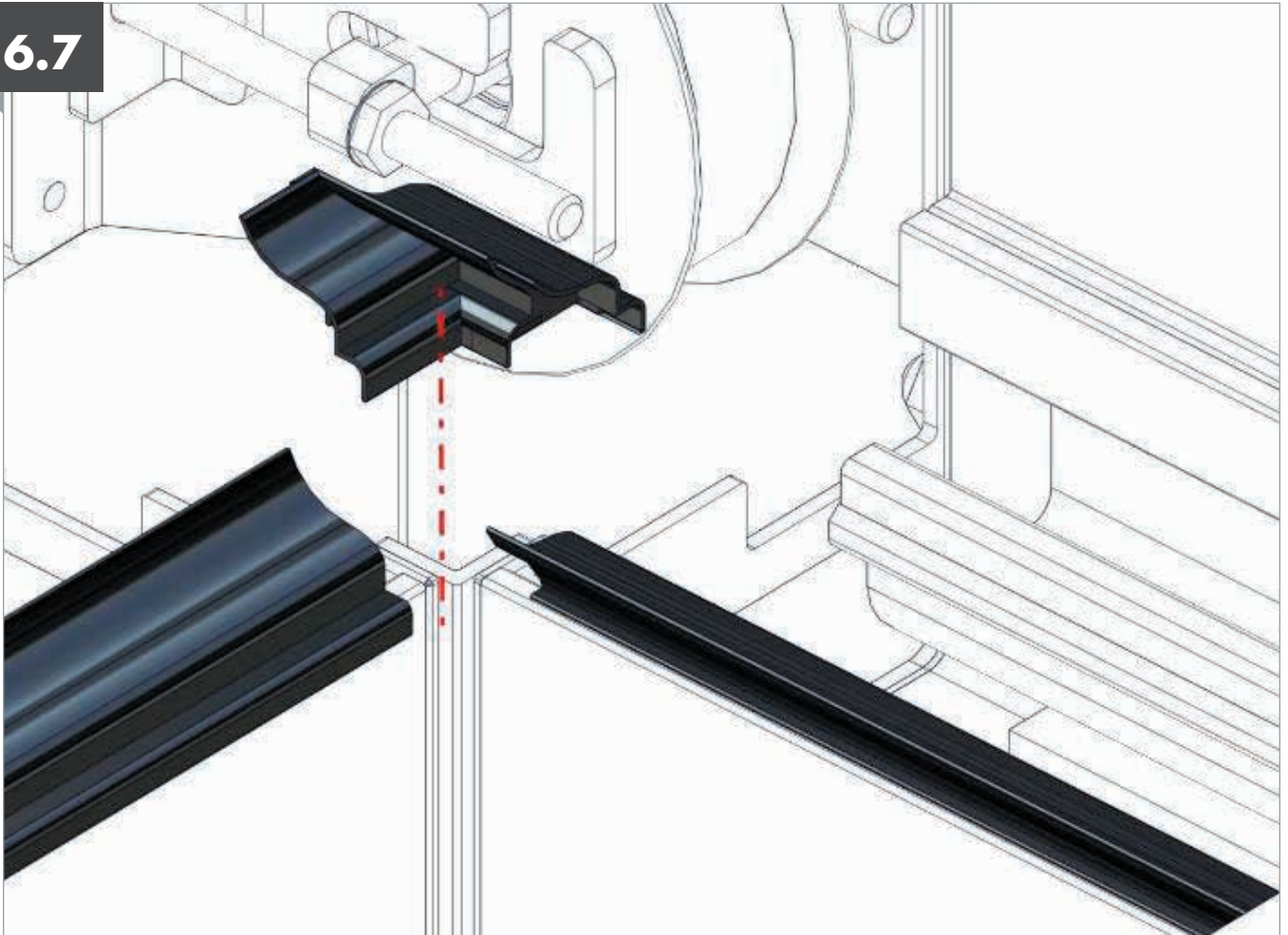
3. Rail belt stretching; This bolt ensures the tension on the belt is adjustable.



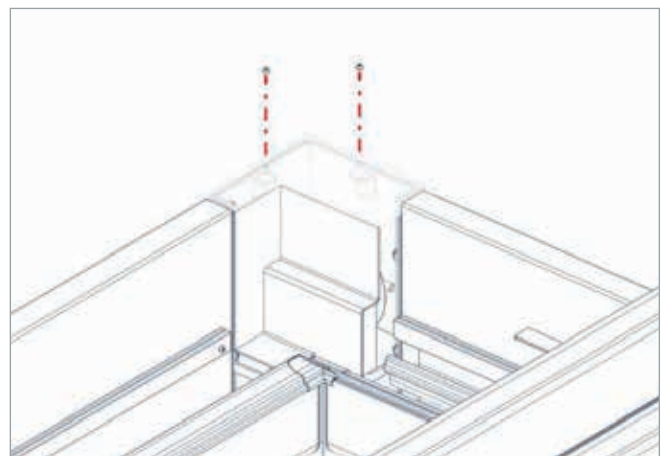
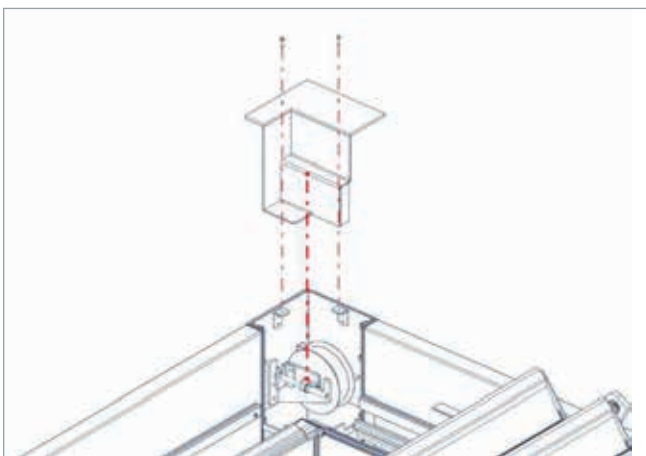
4. Make sure there is the same stretch level of the belt on both sides.

6.7 FINISHING

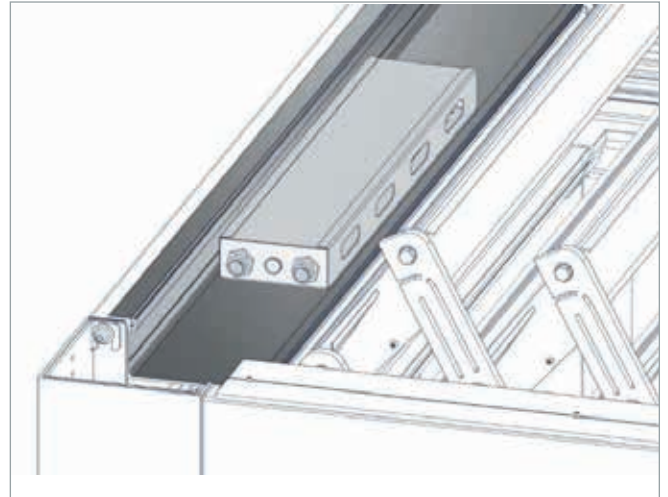
6.7



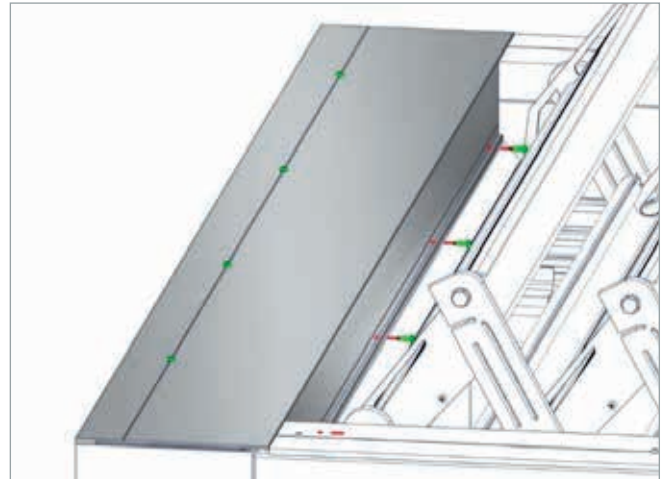
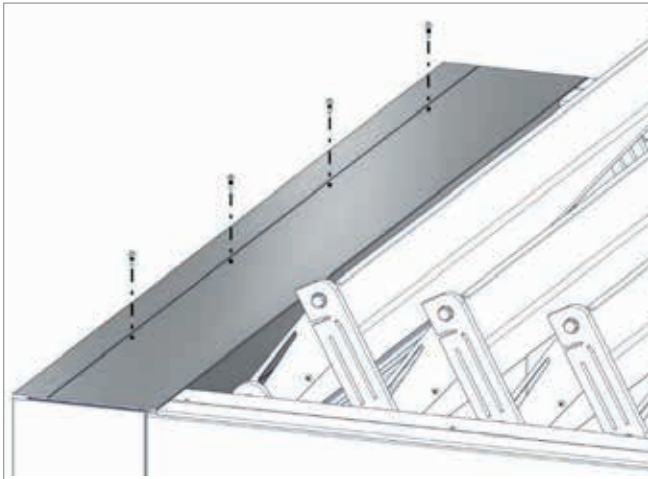
1. Place the special designed gasket into corners.



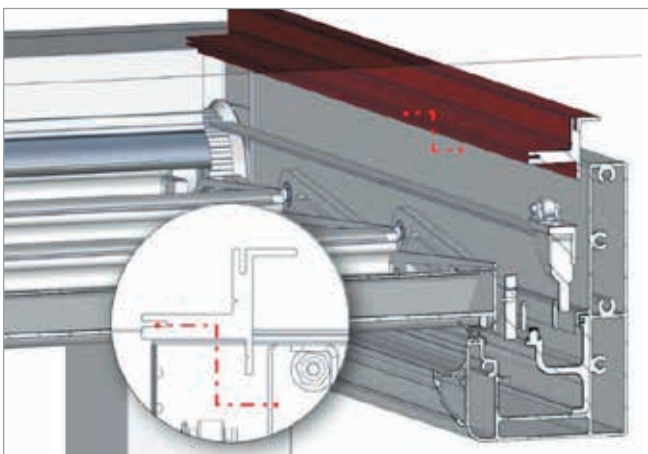
2. The corner cap should be on the frontside. Fix it to the housing with the M2,9x13mm rounded head screws.



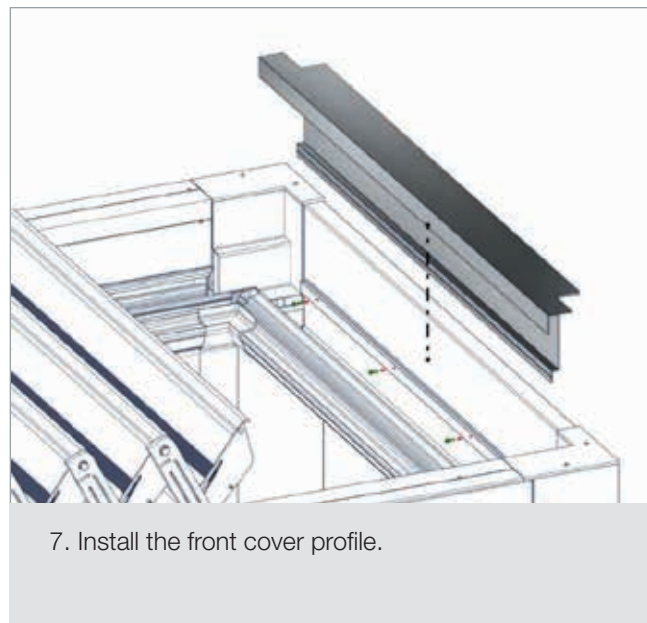
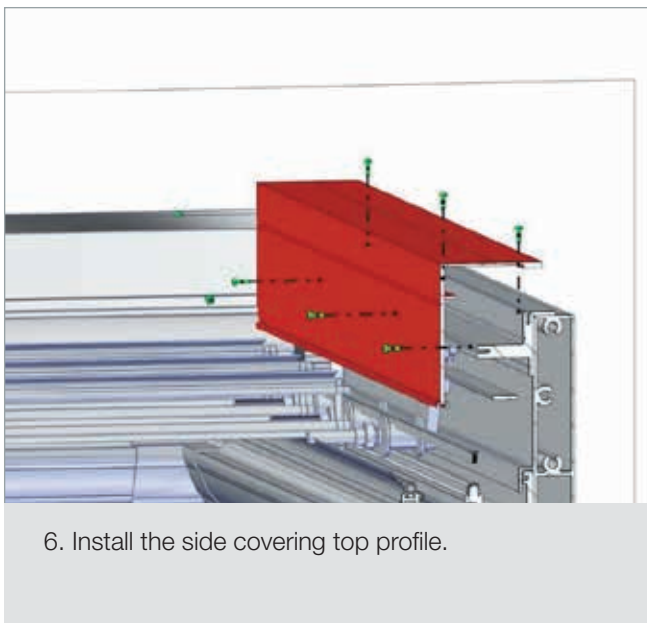
3. Place the tubular Motor covering profile; This profile should be on the rear and fixed with M2,9x13mm screws. If there is perimeter lighting, the lighting control box should be placed on the profile as you see at below. The cables should go from the corner to the box.



4. Install rear covering profile on the motor cover profile.



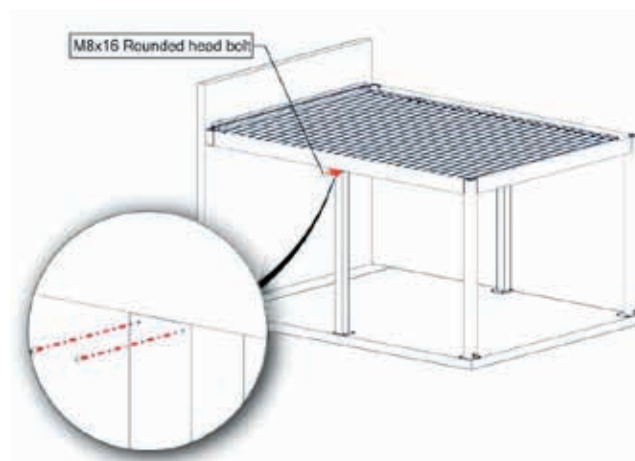
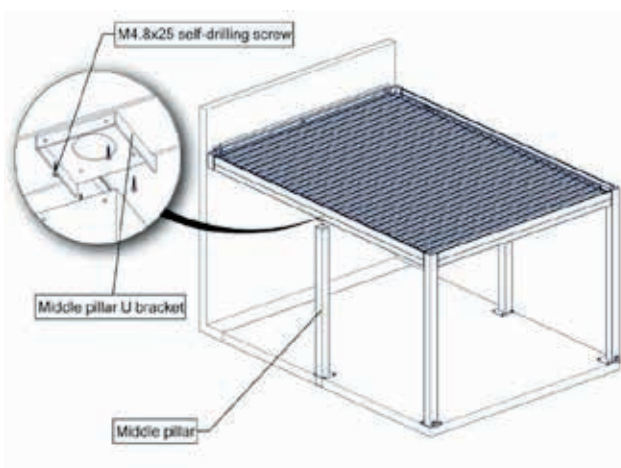
5. Install the side covering profile.



OPTION

6.8 MIDDLE PILLAR CONNECTION

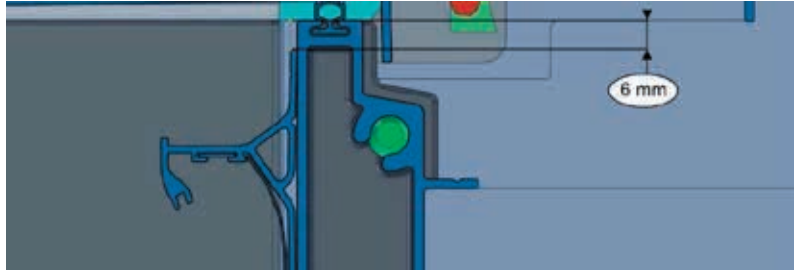
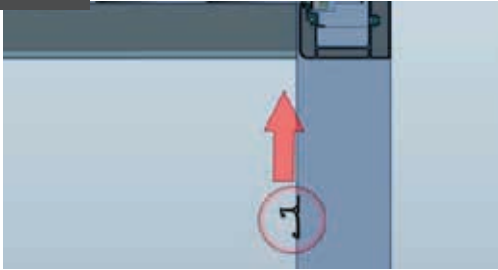
6.8



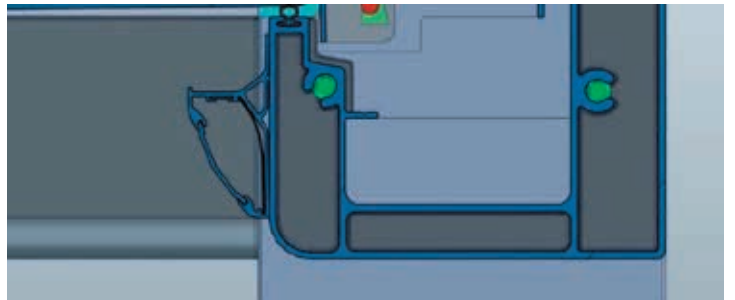
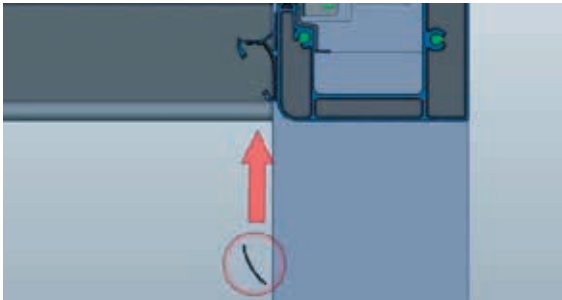
If your Pinela Deluxe has a projection of 607,8cm you need to add a middle pillar to the pergola structure. You can see on the above picture.

6.9 PERIMETER LIGHTING INSTALLATION

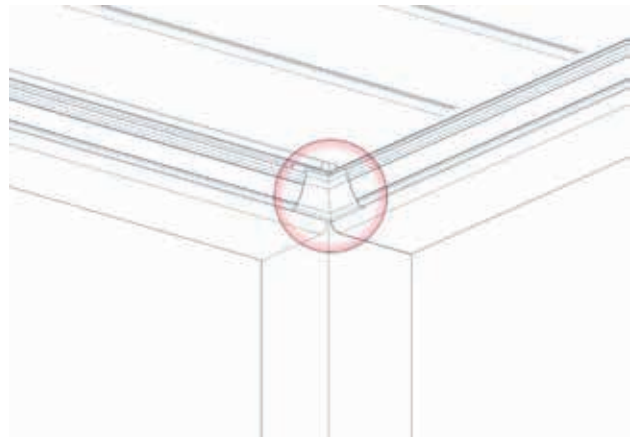
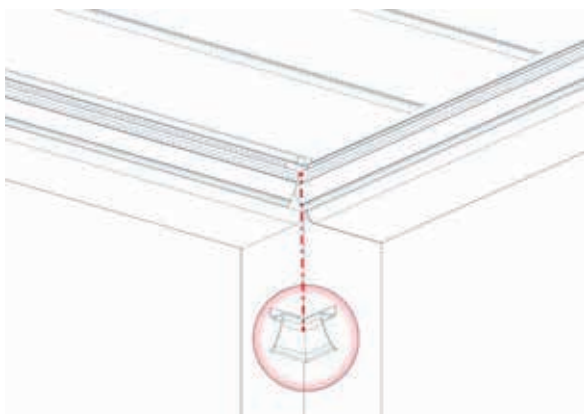
6.9



1. Place the perimeter lighting profile to the integrated gutter. The perimeter lighting profile should be installed on 6mm down from the top of the integrated gutter.



2. Place the perimeter lighting profile cap to the housing on the perimeter lighting profile.

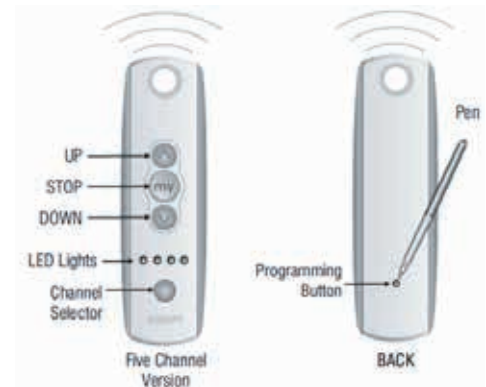


3. Place the corner plastic between the perimeter lighting profile in the corners.

7. PROGRAMMING INSTRUCTIONS

7.1 PROGRAMMING INSTRUCTIONS

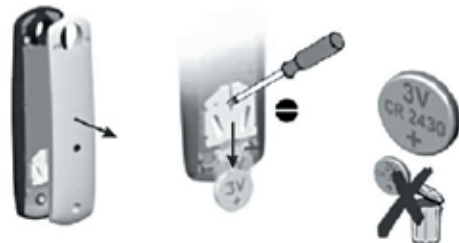
The Pinela Deluxe is equipped with an integrated tubular motor operated by remote control. For opening, closing or stopping the panels you can use the respective buttons of the remote control (see image right).



Remote control details

Channels	5
Battery type	2430 Lithium
Battery voltage	3V
Thickness	22mm
Width	49mm
Height	145mm
Colour	White
Radio frequency:	433,42 MHz
Radio Range	20m through walls
Protection index	IP30
Details:	Shockproof / For indoor use

Replacing the battery



Using a small screwdriver loosen the screws on the reverse side of the remote control and remove the back cover.

Replace the battery with one 2430 Lithium 3V Battery.

7.2 PROGRAMMING OF THE PANELS

Note: The installation and initial setup procedures are the responsibility of a specialized technician.

Power Supply (230 V AC / 50~60 Hz)

- ▶ All wiring must conform to local electrical code.
- ▶ The control unit boxes can be wired in PARALLEL.
- ▶ There should be a way to disconnect the power at each motor independently.
- ▶ Only the control unit box needs to be powered. The receiver is completely housed inside of the control unit box.
- ▶ Eurocell reserves the right to void the motor warranty if wiring recommendations are not followed.
- ▶ The control box only works with 230 V AC / 50~60 Hz.

INSTALLATION REQUIREMENTS

- ▶ If the installation is with more than one RTS system, make sure only one RTS system is powered on during programming. All other RTS systems must be disconnected. This will avoid interferences during the initial programming of each motor.
- ▶ Use only SOMFY RTS radio controls. The receiver (433,42 MHz) must be programmed with the transmitters.

STEPS TO PROGRAM THE PANELS

- ▶ **Step 1:** The control box has to be connected directly to electric power unit (230VAC/50~60 Hz). The motor will not respond to any transmitter until a transmitter is assigned to communicate with the motor.
- ▶ **Step 2:** Choose the channel on your transmitter that you want to set for the motor.
- ▶ **Step 3:** Press the UP and DOWN button together until the motor will jog briefly once.
- ▶ **Step 4:** Check the direction. The UP button should open the system.
- ▶ **Step 5:** Open the panels to the back limit position where panel side caps is shouldn't touch each other and push MY button. Motor will stop automatically.
- ▶ **Step 6:** In order to set the back limit, press DOWN and MY button constantly. The panels will close. When the panels reach the middle of the projection press MY button.



Back limit position is defined.

- ▶ **Step 7:** Reach the front limit position where panels close completely and push MY button. Motor will stop.
- ▶ **Step 8:** In order to set front limit, press UP and MY button constantly. The panels will open. When the panels reach the middle of the projection press MY button.



Front limit position defined.

- ▶ **Step 9:** Press again the MY button.
- ▶ **Step 10:** Press PROG button on your transmitter.

OPTION

7.3 PROGRAMMING OF THE LIGHTS

- ▶ **Step 1:** Choose the channel on your transmitter that you want to set the lights.
- ▶ **Step 2:** Provide power to lighting control box. (The lights will blink).
- ▶ **Step 3:** Press and hold the UP and DOWN button on your transmitter until the lights will jog.
- ▶ **Step 4:** Press and hold the programming button of the transmitter, until the lights will jog again.



The lights has stored to desired channel on your transmitter.

Deleting of the motor or lights (Perimeter Lights)

- ▶ **Step 1:** turn off to power for 2 sec.
- ▶ **Step 2:** Turn on to power for 10 sec.
- ▶ **Step 3:** Turn off to power for 2 sec.
- ▶ **Step 4:** Turn on to power, after that motor or lights will go on.
- ▶ **Step 5:** Press the programming button on your transmitter.



The motor or lights have been deleted on your transmitter.

8. FAQ

FAQ	Reason	How to resolve?
The product motor would not start	The motor is not powered.	Check if there is power to the unit control box.
	The motor has no regular current.	Disconnect the power and wait for 15 minutes then try to start again. Please call our technical service if the motor is not started again.
Lights are not on	Not all lights are on	Check if the product is powered. The power must be disconnected and connected again. Please call our technical service if nothing changes at lights.
The remote controller does not work	It does not control the product. Lights are not on.	The battery should be replaced.
The product leaks water	The product isolation leaks water.	Make sure that areas of the system water tightness gaskets are clean (leaves, branches, etc.).

9. MAINTENANCE

We recommend that you maintain and clean your pergola at least once a year.

Check whether the screw connections are tight. If not, tighten them firmly.

The aluminium profiles that are dirty can be cleaned with lukewarm water and a cleaning product.

- ▶ Use a soft brush or sponge.
- ▶ Never use abrasives, aggressive solvents or a pressure washer.
- ▶ Wet first and rinse off with lots of water, and then wipe with a soft cloth.

10. DISPOSAL OF WASTE

Dispose of the product according to local laws and regulations.

11. GUARANTEE

For a copy of the Eurocell product guarantee certificate please visit the following web page:
<https://www.eurocell.co.uk/technical-support/guarantee-certificates/conservatory-certificates>



Please review the respective articles indicated under the main titles include in the manual for the details of aforementioned special cases. All manufacturing defects are under scope of warranty within the following periods.

Paint (Aluminium Standard Parts)	5 Years*
Motor	5 Years
Motor Parts	2 Years
Electronic Remote Controller and Receivers	2 Years
Electronic Cards, Circuits, Boards	2 Years
LED Lights	2 Years
Plastic Parts	2 Years
Paint (Steel Components Special Parts)	1 Years

* The paint warranty is 2 years under ambient conditions at places that have moisture spray with salty and chemical steam (port, coastline, swimming pool, etc.).

12. CONTACT

IMPORTANT: Your Eurocell representative is your first point of contact for questions and comments.



Please contact our Customer Care Team for additional support or advice:



0333 321 2353



eurocell.co.uk/technical-hub

eurocell.co.uk

