



# Installation and maintenance instructions

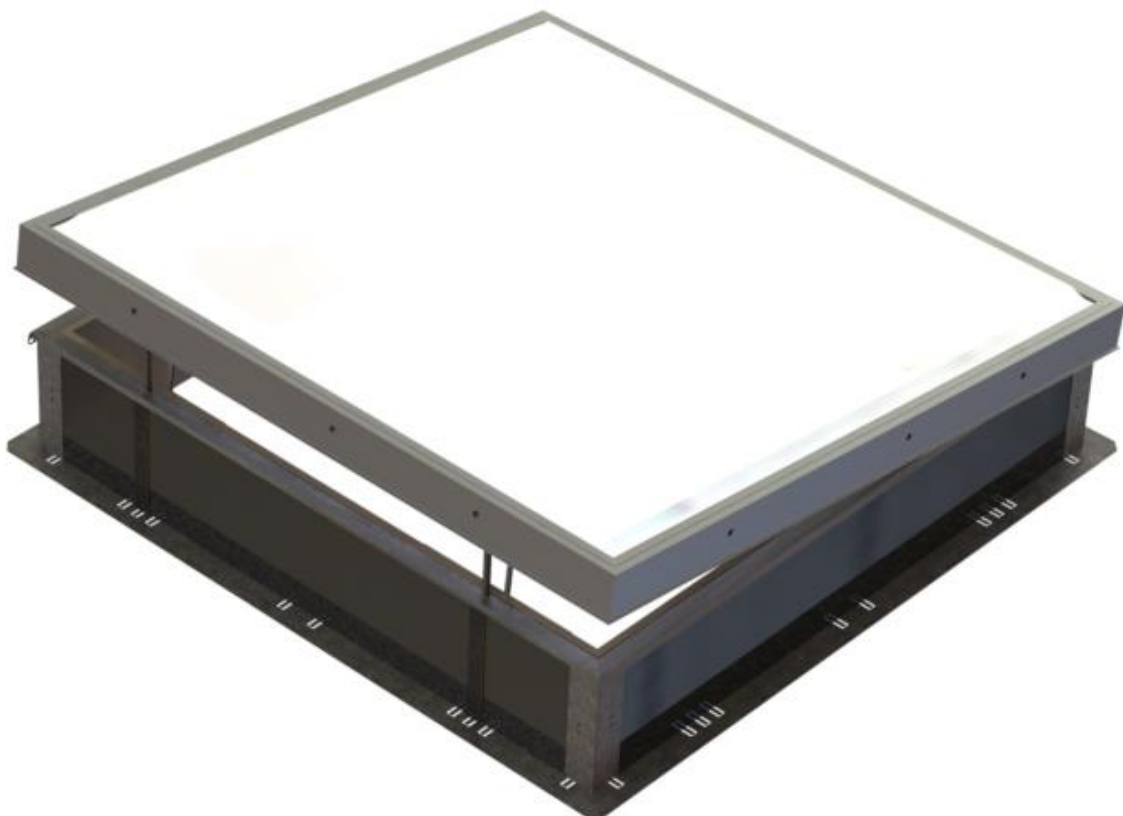
## EQUILUX WOOD

### REPAIR INSTRUCTIONS EQUILUX WOOD

Designation and commercial reference: Equilux Wood & Equilux Wood Fixe

**Warning:**

This notice does not constitute a contractual document; the manufacturer reserves the right to make without notice any modification he deems useful.





# Installation and maintenance instructions



## EQUILUX WOOD

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## EQUILUX WOOD

The EQUILUX WOOD is delivered in several parts to facilitate accessibility to the roof.

### 1. Composition of the EQUILUX WOOD

Caisson		Dôme	
Cadre ouvrant		Boitier photovoltaïque 	 To be taken out as soon as unpacked and exposed to light for a battery charge (See NOTE below)
Cadre Aluminium		Visseries	

The opening devices are equipped with 1 to 2 chain boxes and 1 to 2 oleopneumatic cylinders. Only the 060x060 do not have oleopneumatic cylinders (see table on page 12).





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*Note: If the battery connectors are not connected, do so*



*On the fixed Equilux Wood version, only the box, opening frame, aluminium frame and dome are delivered.*

## 2. Equipment

For the assembly of the EQUILUX WOOD, you will need:

- A screwdriver
- Tip T orx T6
- Phillips tip
- A set of keys Hexagonales

## 3. Assembly

### 3.1 General

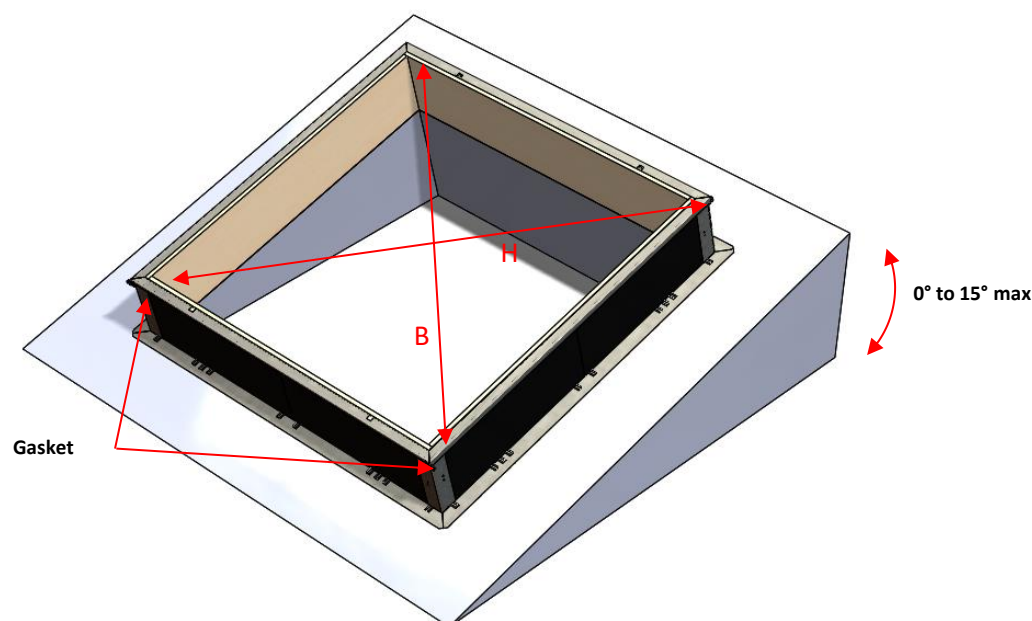
The EQUILUX WOOD is a comfort device allowing the ventilation and natural illumination of a room or part of a room.

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To guarantee proper functioning and airtightness and watertightness, the EQUILUX WOOD must be placed on a roof with a slope ranging from 0 to 15 ° max. The opening must be towards the upper part of the roof slope. The operating temperatures of the engine are 5° to +60°.

### 3.2 Installation of the box


The box must be placed on a flat support (concrete, steel, wood) and must be fixed on its support with a minimum of 3 fasteners / meter. It must be sealed in accordance with the rules for installing a skylight (DTU 40 and DTU 43).

Control squaring:

- [A=B (±2) Hopper ≤1400x1400] .
- [A=B (±3) Hopper >1400x1400] .

### 3.3 Assembly of the EQUILUX WOOD

#### a. Identify the meaning of the elements

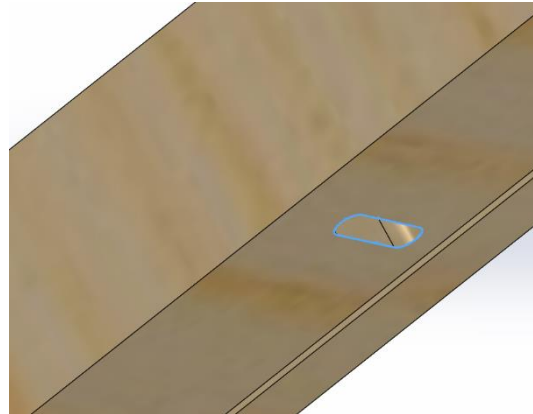
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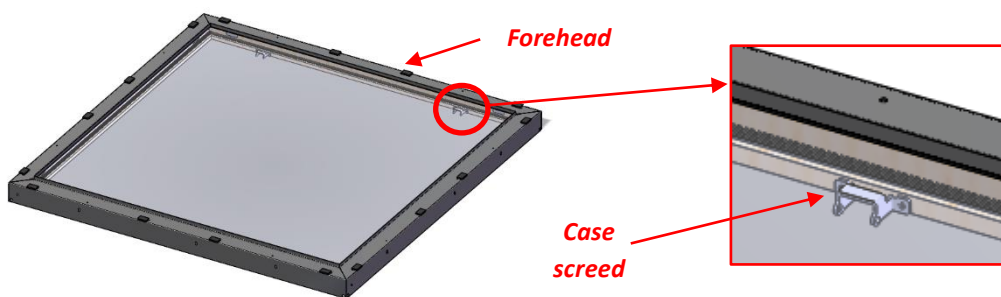
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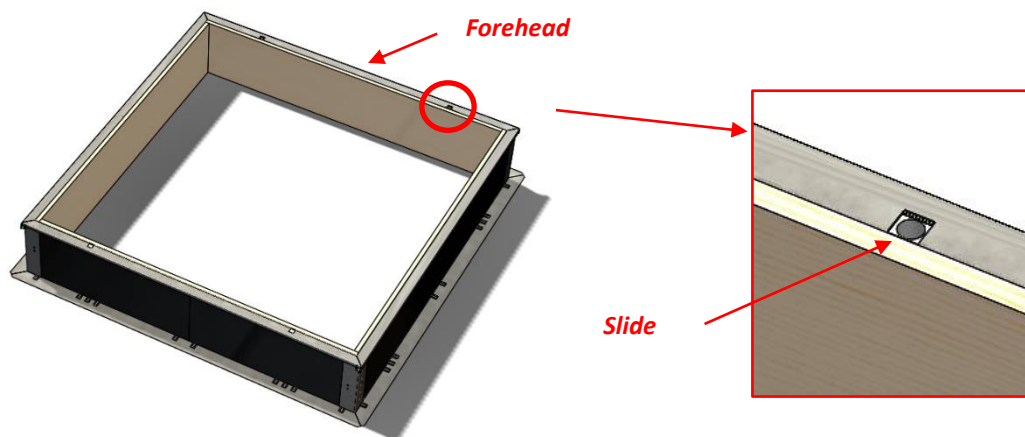
The front face (top of slope) of the opening frame is identified by the groove(s) underneath the wood.



On electric openings, the engine screeds are an additional marker.



The front face is identified by the presence of one or two white polyamide slide(s) at the top of the slope.



For the fixed version the opening frame has no front or rear face.



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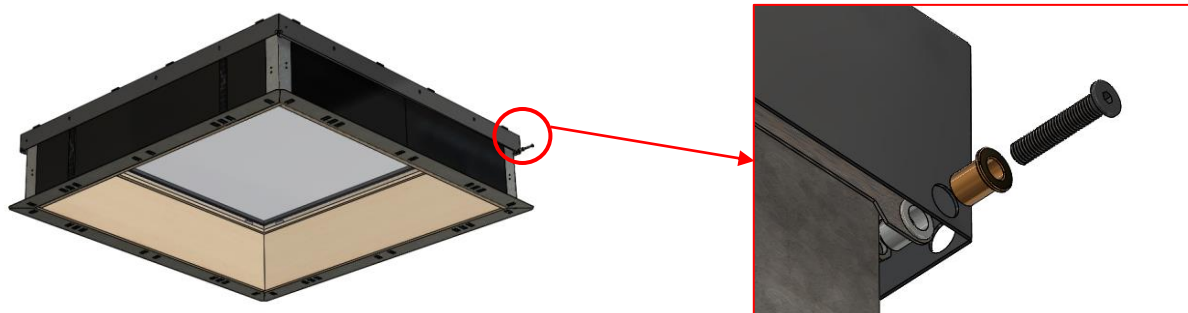
## EQUILUX WOOD

### b. Installation of the opening frame



Start by placing the opening frame on the box while respecting the direction of the faces

### c. Clamping the opening frame




The opening frame is clamped via the hinge screws at the rear  
Put the two bronze rings and the two CHC Extra-Plate M8 screws

In the case of the fixed, the front panel is also clamped, using the same screws.

*The following paragraph only concerns the devices opening, for the fixed version go directly to paragraph "f"*

### d. Installation of oleo pneumatic cylinders

*Note that the following procedure is valid for dimensions with 1 or 2 oleo pneumatic cylinders.*

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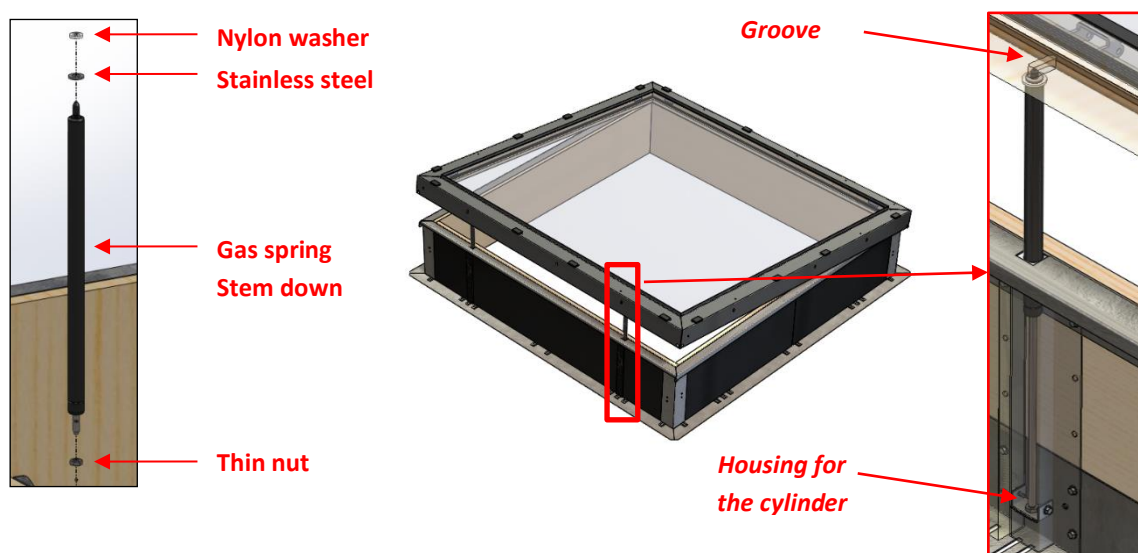
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Keep the opening frame open to slide the oleopneumatic cylinders into the slides at the front of the box and position the washers on the upper part.

Check that a thin nut is screwed onto the stem of the oleopneumatic cylinders.

Close the opening frame, checking that the threaded of the cylinder body fits well into the groove of the opening.



### e. Programming the solar chain box

*The next paragraph only concerns the Opening Equilux Wood, to fix it move on to the next paragraph.*

Before setting up the solar chain box it must first be programmed, see below the programming steps

- Remove the "Battery" cover on the back of the chain box



- If the battery connectors are not connected, do so



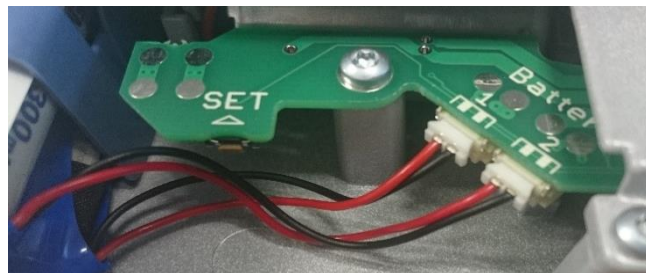


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- Press the "Set" button for 5 seconds until you hear a beep



- Press the arrow "▼" on the remote control for 2 seconds until you hear a beep



- Briefly press the arrow "▲" on the remote control

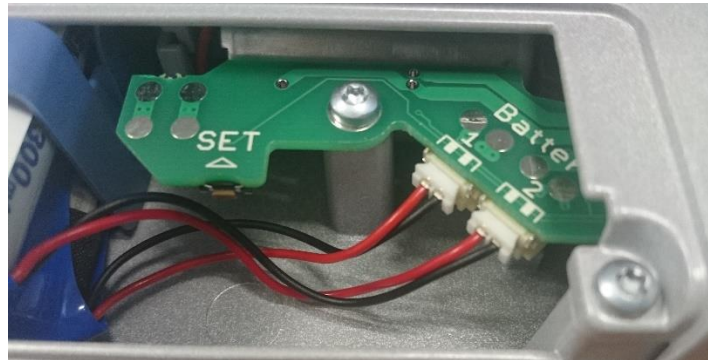


- Complete programming by briefly pressing "Set" on the back of the case



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In the case of a double box:

*After having programmed the first box (§3.3 a), you must press "Set" (motor 1) for 5 seconds until you hear a beep*

*Then press the second box on the "Set" button (motor 2) for 2 seconds until a beep sound*

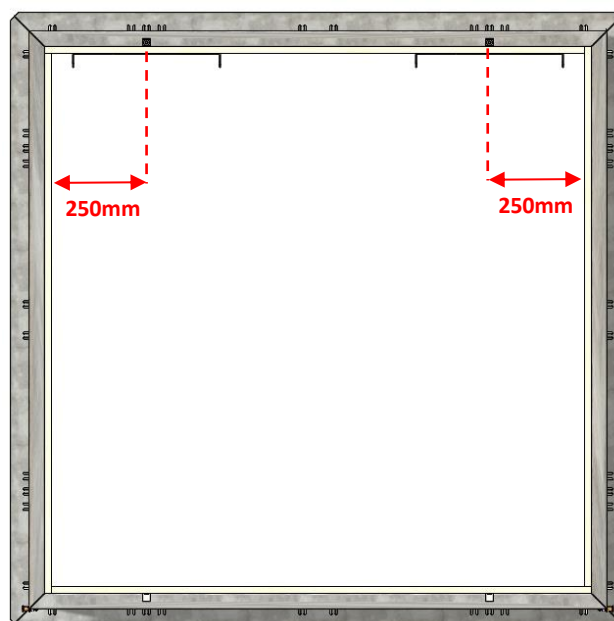
*And finish by pressing "Set" again (motor 1) on the first box, a beep will confirm the connection of the two boxes and the finalization of programming*


*Once the chain box(es) is programmed, open them by pressing the arrow "▲" on the remote control to check the proper communication between the motors.*

### f. Installation of photovoltaic chain boxes

1. Point the center of the case supports at the box 250 mm from the inside of the box

*For dimensions with a single chain box, there is only one box support to center in the hopper.*



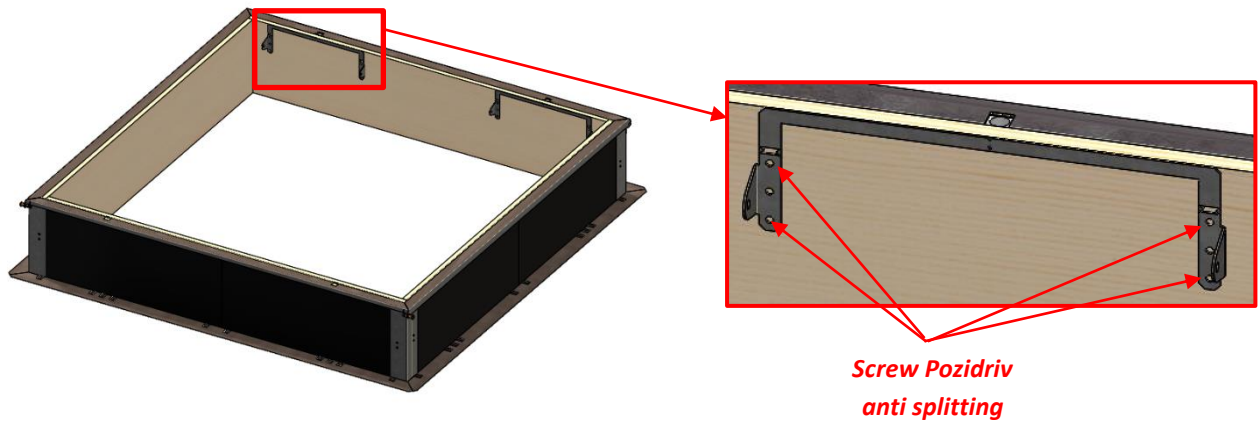
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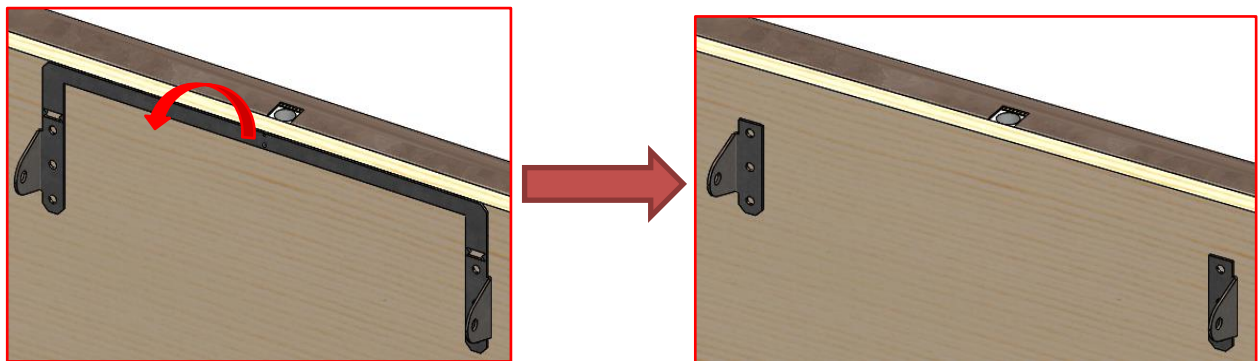
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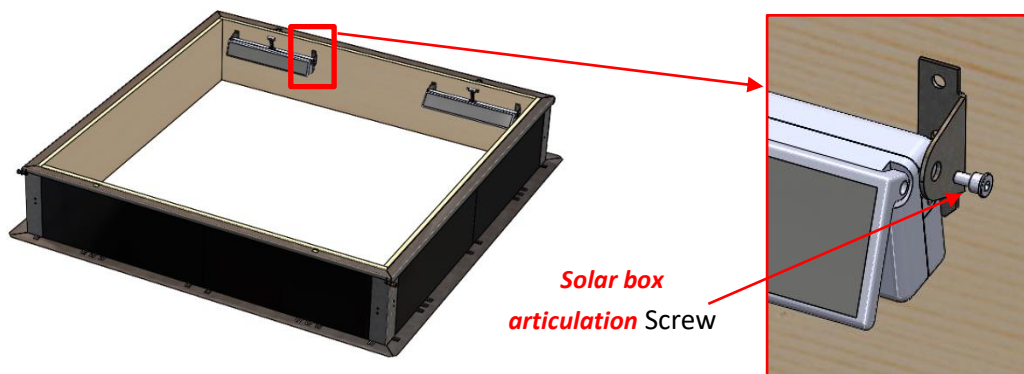
2. Present and fix with 4 screws Pozidriv Anti splitting 4x20



3. Detach the top of the brackets



4. Mount solar chain boxes using articulation screws

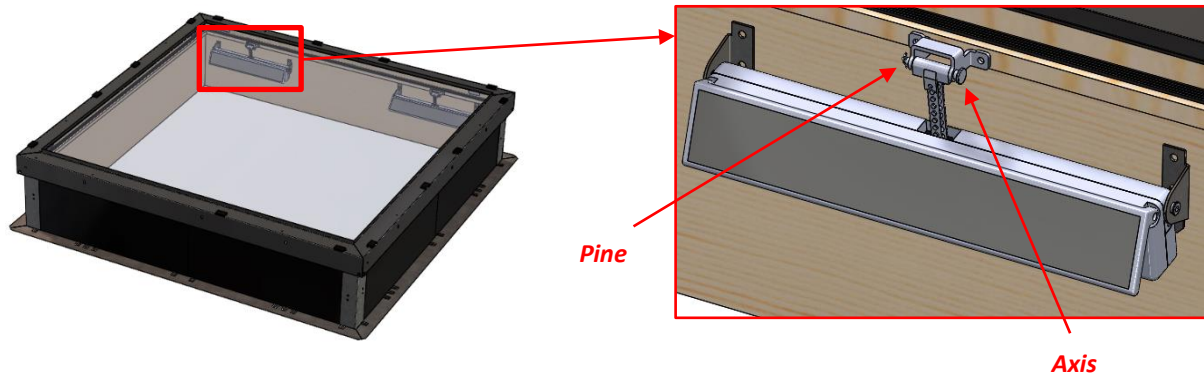




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5. Link the boxes to the screeds present on the opening frame via an axis and a pin



### g. Dome assembly

Place the dome on the foam on the opening frame



### h. Assembly of the aluminium parclose

Install and fix the enclosure with 6x25 torx screws and nylon washers



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### 4. Motorization of EQUILUX WOOD

Width Equilux	Equilux Length	D+H Case	Oleopneumatic cylinder	ForceO-pneumatic cylinder
600	600	1	0	0
600	900	1	1	100
800	800	1	1	100
800	1200	2	1	100
900	900	1	1	100
1000	1000	1	1	150
1200	1200	2	2	150
1400	1400	2	2	150
1000	1500	2	2	100
1000	2000	2	2	150


### 5. Commissioning

Once the device is mounted, carry out one or more test(s) to verify the correct functioning of the device.

### 6. Maintenance and verification

All our devices lose their warranty in *the* context of use and / or exhibition likely to modify the initial characteristics of an element or function.

The wood of our appliances is treated in carpentry against moisture and aging. However, it is possible that over time the wood changes slightly color.

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# Installation and maintenance instructions



## EQUILUX WOOD

Use products adapted to wood for cleaning.


When the stem of an oleo pneumatic cylinder is scratched, deformed or if there is a leak, replace it. Do not clean the cylinder stem with a solvent, as it can damage the joints. Do not paint the body of the cylinder.

### 7. Replacement

All the following components are available on request from SKYDOME. ®

- Screws oleo pneumatic cylinder (nylon washer, steel washer, nut, ...)
- Series fixing screws for aluminum frame.
- Clamping and opening frame screws
- Oleo pneumatic cylinder
- Photovoltaic chain box
- Complete opening (wooden frame, glazing, screed, etc ...)
- Dome
- Aluminum frame
- Brown silicone seal

**NOTE:** Stationary units can be converted into ventilation versions. Contact us

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