SOLATUBE®
DAYLIGHTING SYSTEMS

Installation Instructions

Solatube Ø 53 cm round
Ubiflex pitched roof flashing

Enjoy daylight

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Safety Information

- Always observe the safety instructions for the materials and tools to be used.
- Always wear the appropriate personal protective equipment (gloves, safety goggles etc.)
- We would suggest that any roof works is completed by an experienced roofer.
- Always have any electrical works carried out by a certified electrician.
- Please note that the installation works is carried out at your own risk.

Guarantee
Non-electrical Solatube® components are covered by a 10 year manufacturer's warranty against any manufacturing defects. Please retain the original proof of purchase to validate the product warranty. Any costs associated to the installation of any replacement parts covered under the warranty remain at the expense of the purchaser. Our terms and conditions are available upon request.

Disclaimer
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1. Product Overview

1.1 Parts

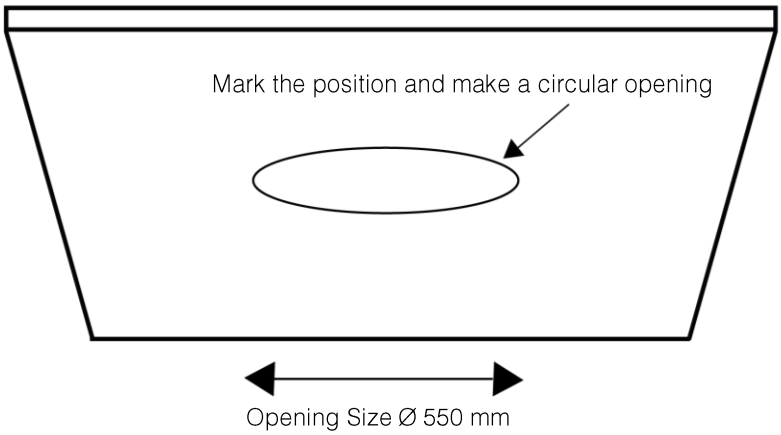
1. Roof dome
2. Dome ring
3. Ubiflex pitched roof flashing
4. 3 x roof tile clips
5. High-tack sealant
6. Extension tube
7. Brush seal
8. Roll of aluminium tape
9. 6 x spacers
10. 6 x roof dome screws

2. Installation Steps

2.1 Step 1 – Ubiflex pitched roof flashing

Determine where you want to install the Solatube from the inside and mark the position through the roof.
Note: Consider the roof construction and any electrical wires or pipes which may be hidden within the roof void.

Create a circular opening with a diameter of between Ø 550 mm through the roof construction.



2.2 Step 2 – Install the Ubiflex pitched roof flashing

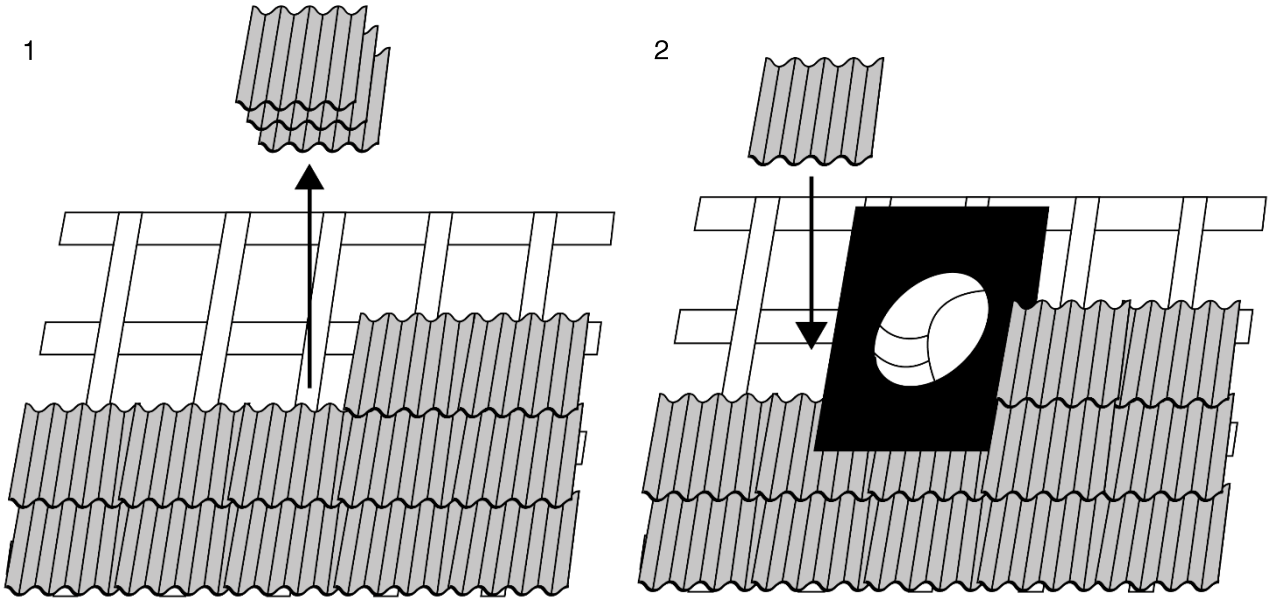
Remove sufficient tiles from the roof to allow the flashing to fit down onto the tile battens as shown below.

Determine the ideal position so that the flashing can be installed beneath the tiles above / to the sides and down onto the tiles below.
Once the final position is determined, mark and cut any obstructing tile batten to allow the top tube assembly to fit through the flashing down into the roof void.

Important: Temporarily insert the top tube assembly down through the flashing to help you to centralise the flashing over the roof aperture created.

Tip: The bottom skirt of the Ubiflex flashing is longer than the top.

Fix the Ubiflex roof flashing in place by screwing the top of the flashing to the tile battens.



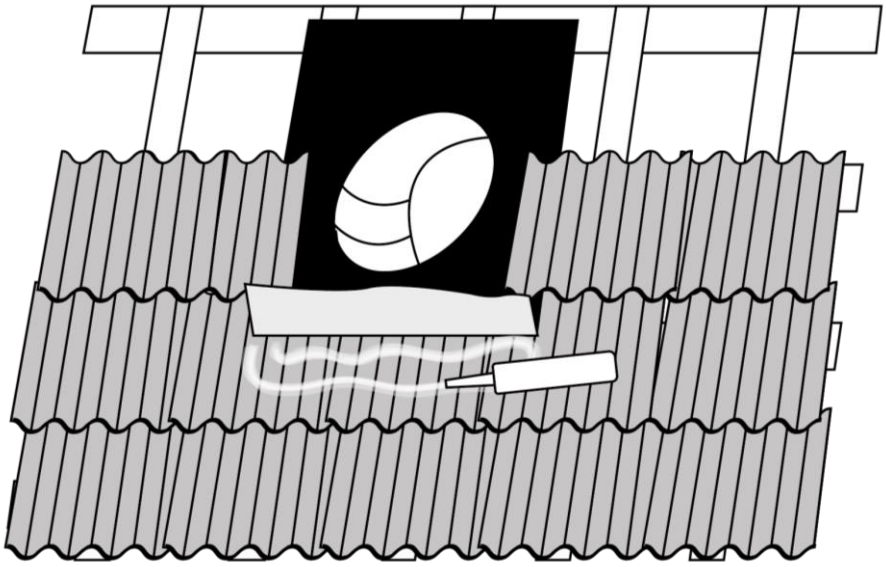
Create a weather stop by folding the sides and top of the flashing upwards by a few centimetres.

Dress the bottom skirt of the flashing down onto the profile of the tiles below.

2.2.1 Step 2.1 – High-Tack sealant

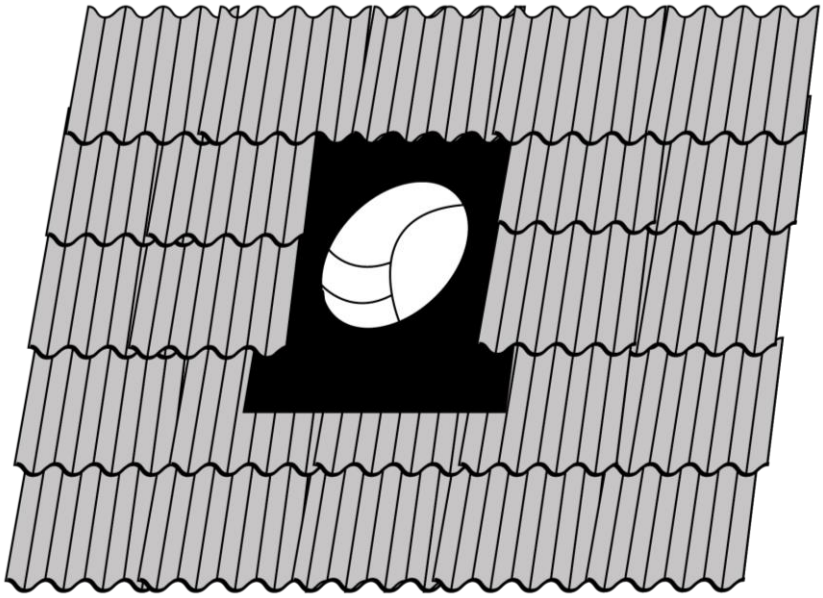
Secure the lower skirt of the flashing down onto the tiles below with the High-tack adhesive/sealant and tile clips provided.

Tip: Ensure that the tiles below the flashing skirt are free from dust and debris prior to applying the High-tack adhesive/sealant.



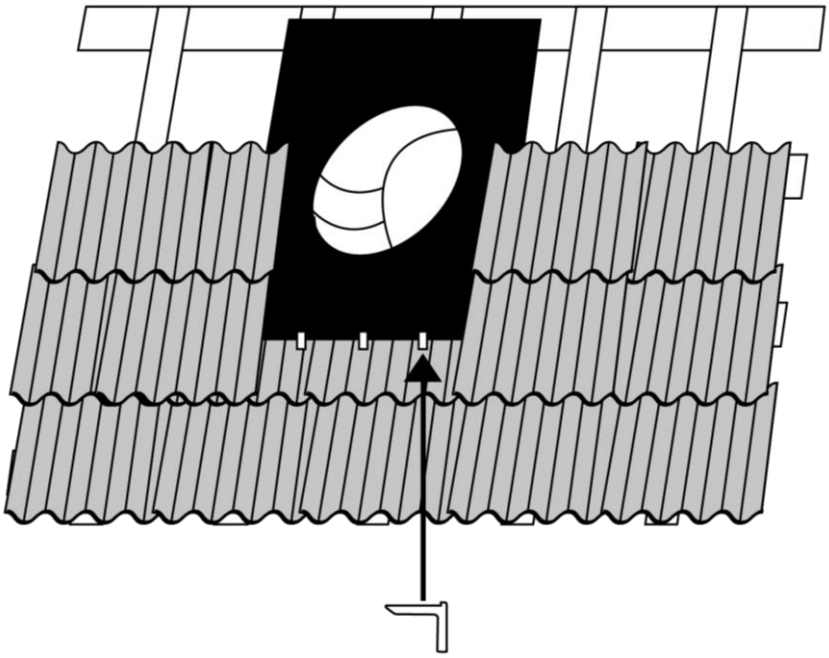
Fit the roof tiles back around the sides and top of the roof flashing.

Note: The sides of the flashing must be overlapped by the roof tiles.



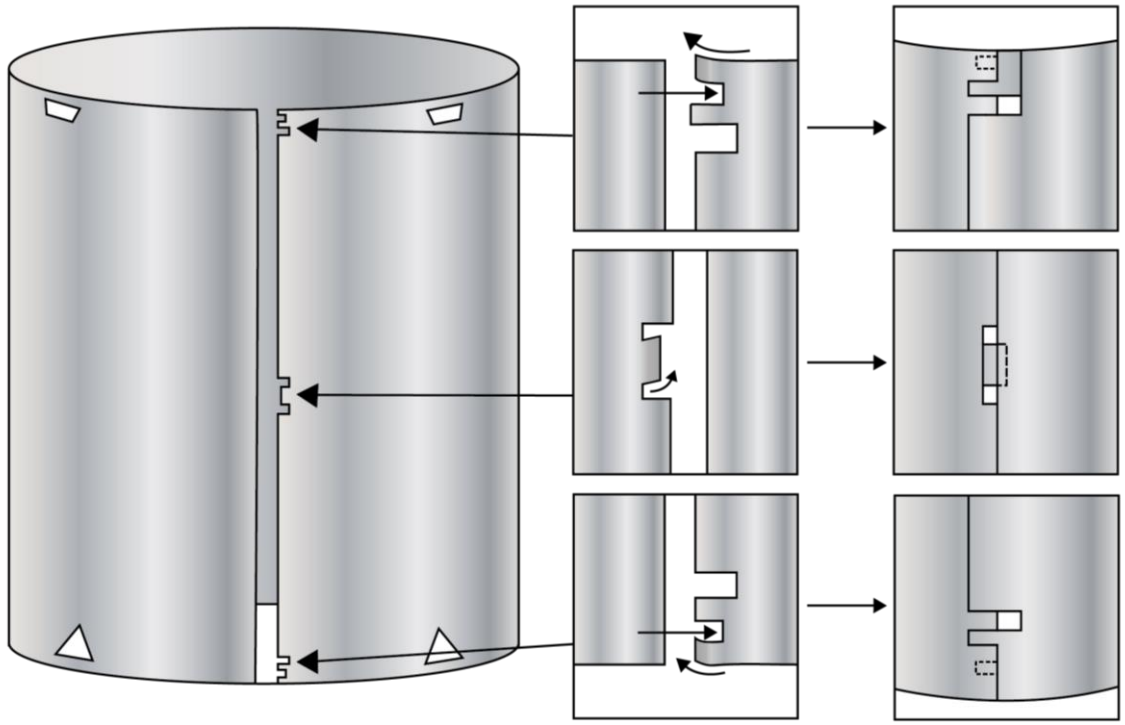
2.2.2 Step 2.2 – Attach roof flashing tile clips

The three tile clips provided are also used to secure the bottom skirt of the flashing down onto the roof. Clamp the short "leg" of the clips between two tiles beneath the edge of the flashing and bend the long "leg" back over the edge of the flashing to clamp it in place.



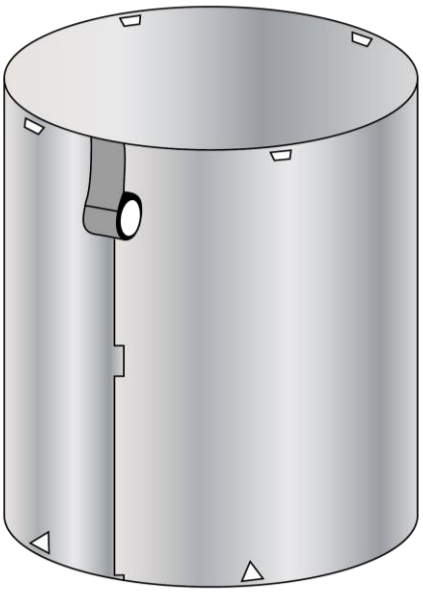
2.3 Step 3 – Assemble the top extension tube

Bend the short tab of at the very top of the tube slightly inwards. Bend the short tab at the bottom of the tube slightly inwards. Bend the tab at the middle of the tube slightly inwards. Insert the straight tube edge into the shallow notch created at the top of the tube, the notch in the middle of the tube and the shallow notch at the bottom of the tube as shown below.



Tape the entire length of the tube seam with aluminium tape on the outside of the tube. Remove the protective film from the inside of the extension tube.

1



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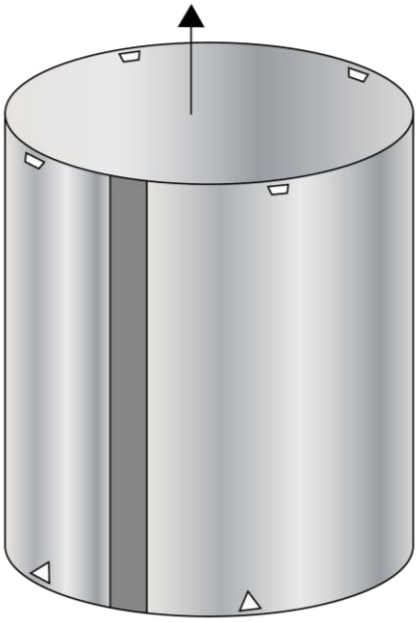
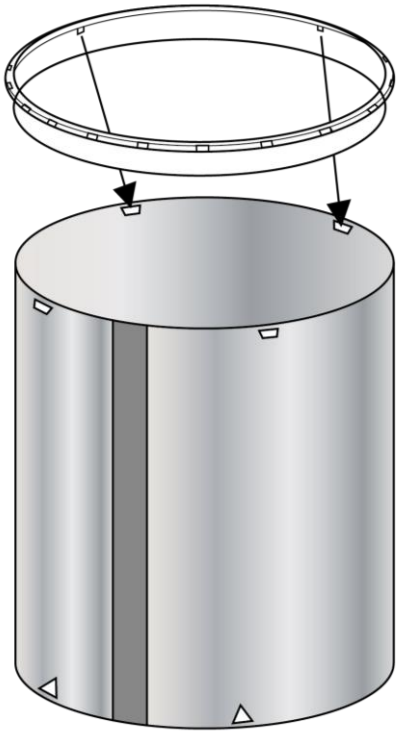


2.4 Step 4 – Fit the dome ring

Fit the dome ring onto the outside of the top of the extension tube, ensuring that all fours tabs on the inside of the dome ring fit into the rectangular recesses in the top of the tube.

Tape the bottom edge of the dome ring to the outside of the tube with the aluminium tape.

1



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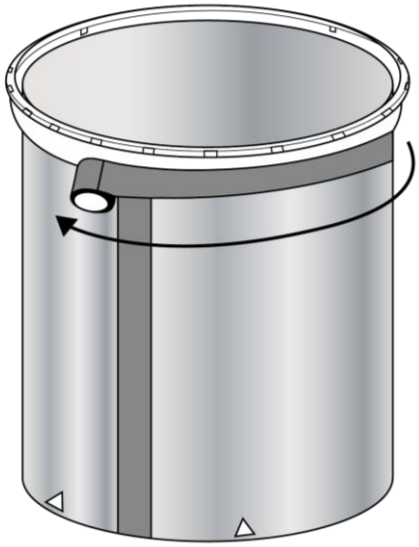
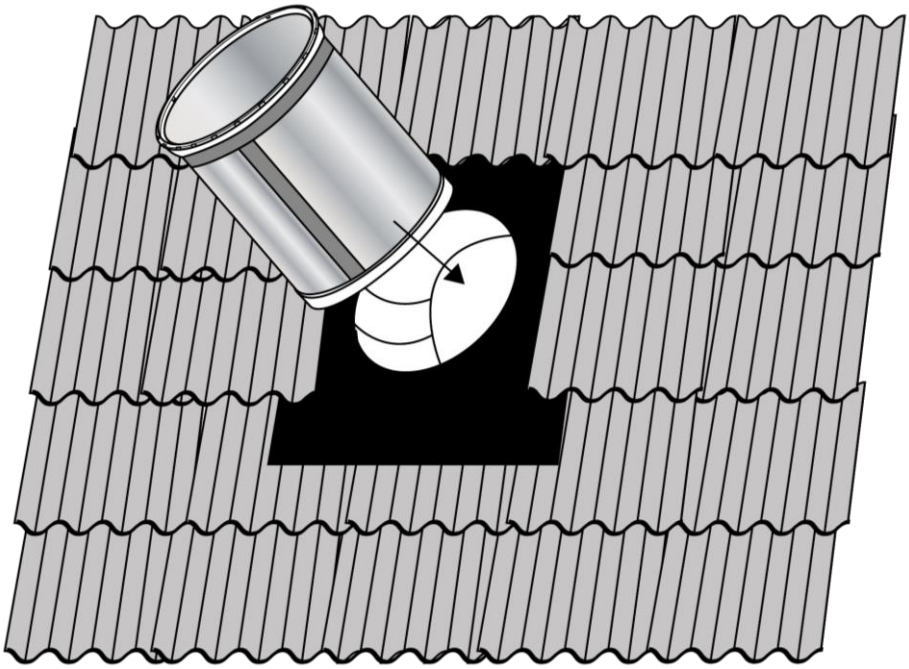


2.5 Step 5 – Fit the diffuser

The next step is to fit the ceiling diffuser. Refer to the installation instructions of the diffuser of your choice, available from our website www.solatube.co.uk.

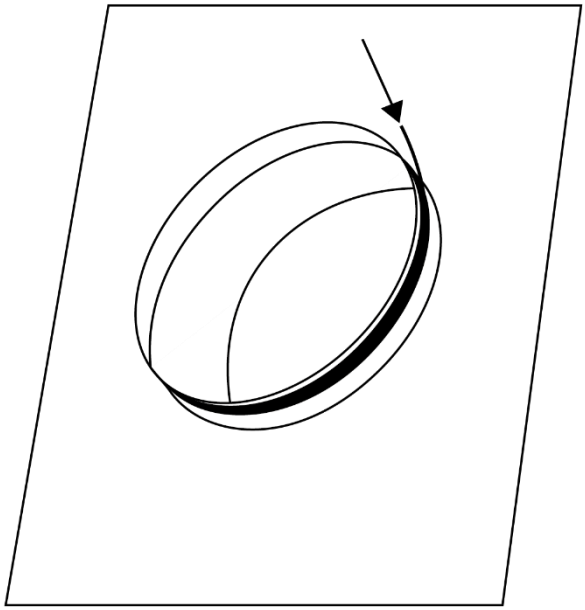
2.6 Step 6 – Install the top extension tube

Carefully push the extension tube down through the roof flashing until the dome ring is correctly seated down onto the top lip of the roof flashing.



2.7 Step 7 – Apply the brush seal

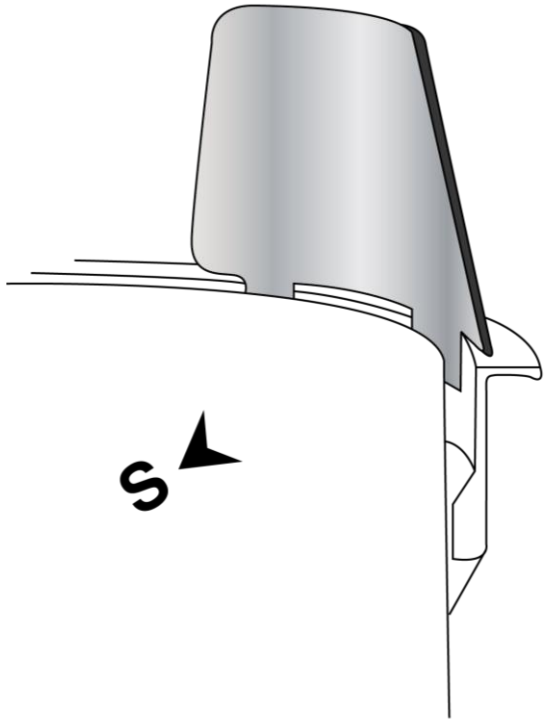
Apply the self-adhesive brush seal to the top of the roof flashing, wrapping it tightly around just below the white dome ring. Use the entire brush sealing strip.



2.8 Step 8 – Fit the LightTracker

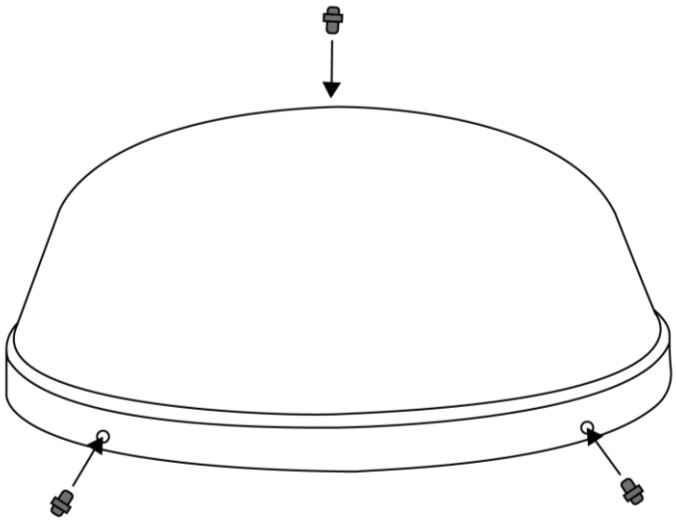
Fit the LightTracker reflector between the extension tube and the dome ring, with the reflective side facing inwards.
Remove the protective film from the LightTracker.

Note: Turn the tube so that the reflective side of the LightTracker faces south. If the sunlight is blocked on the south side of the dome, do not fit the LightTracker in the dome!

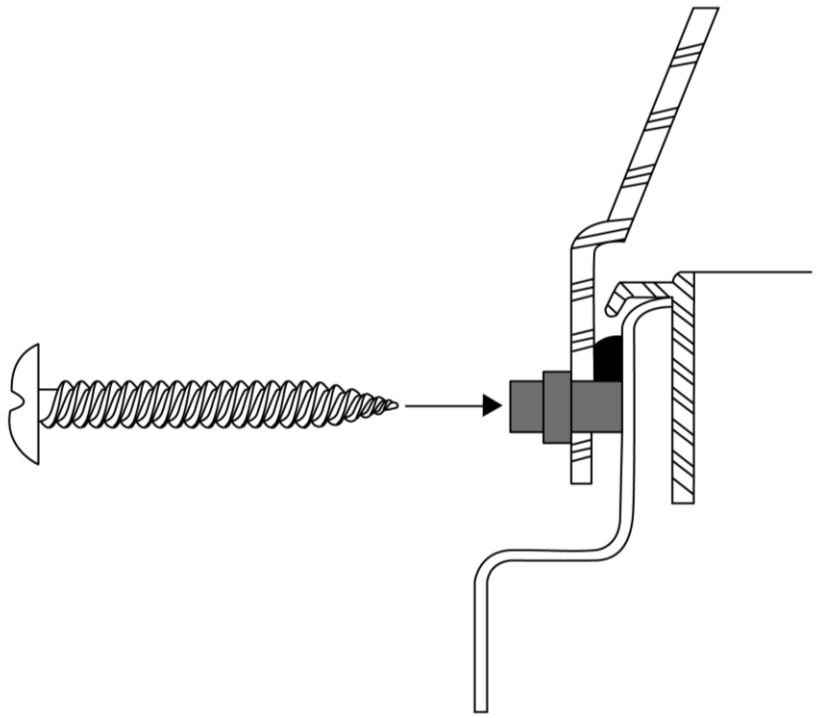


2.9 Step 9 – Fit the roof dome

Fit the dome down over the dome ring.
Push the 6 dome spacers (long side of the spacer first) into the pre-formed holes in the dome.



Fasten the dome with the dome screws supplied. Screw from the outside to the inside, through the spacers. Drive the screws through both the roof flashing and the reflective tube. Do not overtighten the screws or you may cause damage to the roof dome.



This completes the installation of your Solatube system.

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