

Installation Instructions

External components Cradle 35 cm and 53 cm (incl. Eco) pitched roof flashing



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Foreword

Safety

- 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.

Warranty

- Non-electrical 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

Techcomlight Limited expressly disclaims any liability for any unexpected additional expense arising as a result of condensation or any water damage resulting from condensation, installation not in accordance with Techcomlight Limited's installation guide/s or any other external influences beyond the control of Techcomlight Limited. Techcomlight Limited cannot be held liable for damage to structures caused as a result of making openings and installing the product supplied. Techcomlight assumes no responsibility or obligation for the failure of an architect, contractor, installer or building owner to comply with all applicable laws, ordinances, building codes, energy codes, fire and safety codes and requirements, and adequate safety measures.

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Step 1 – Create the openings

Decide from the inside where you want to install the Powerdaylight.

Note: Take into account the construction and any existing pipes or electrical wires!

Make a neat, round opening of the following diameter in the construction.

Powerdaylight 35 cm: between \varnothing 370 - \varnothing 380 mm

Powerdaylight 53 cm: \varnothing 550 mm

For a round ceiling diffuser, the opening in the ceiling must be made with the same diameter as mentioned above.

For a square ceiling diffuser, a neat, square opening must be made in the ceiling according to the dimensions below:

Powerdaylight 35 cm Justfrost: 367 x 367 mm

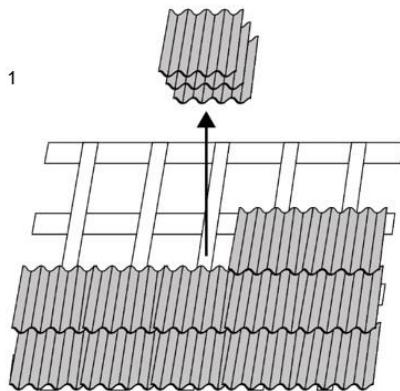
Powerdaylight 35 cm recessed: 345 x 345 mm

Powerdaylight 53 cm square surface mounted: 605 x 605 mm

Powerdaylight 53 cm recessed: 568 x 568 mm

Step 2 – Install the roof flashing

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



Determine the ideal position so that the flashing can be installed beneath the tiles above / to the sides and down onto the tiles below.

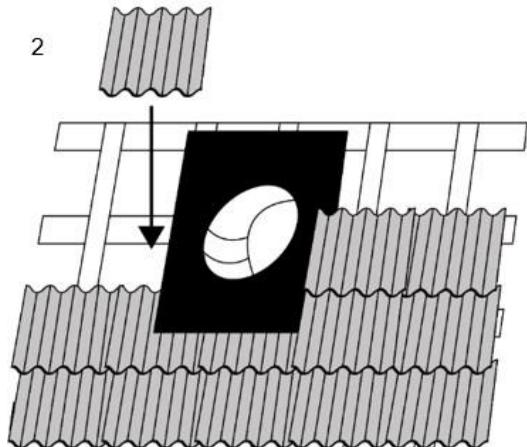
Once the final position is determined, mark and cut any obstructing tile batten to allow the top tube assembly to fit through the flashing down into the roof void.

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.

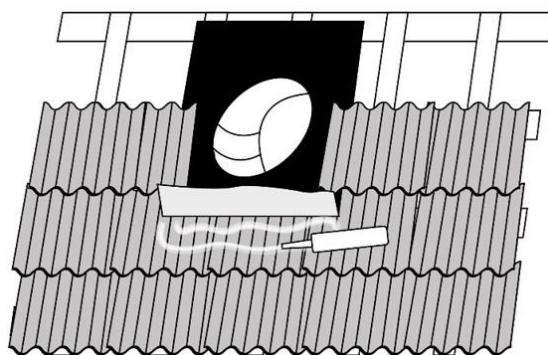
Create a weather stop by folding the sides and top of the flashing upwards by a few centimetres.

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



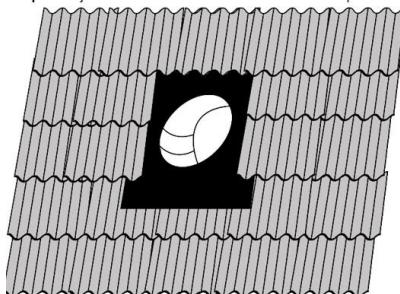
Secure the lower skirt of the flashing down onto the tiles below with the High-tack adhesive / sealant and tile clips provided.

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



Step 3 – Assemble the exterior tube

Tip: Remove the protective film from the inside of the exterior tube if necessary. It is easier to do this now rather than later from below. If you have chosen the 'round (no ceiling) diffuser', it is often already pre-assembled, and the protective film has already been removed!

Push the exterior tube down through the roof flashing until the aluminium dome ring seats down onto the top of the flashing upstand.

Note: For the ECO version, the tube must be completely insulated, we recommend doing this in advance with an insulation foil such as Alkreflex. This insulation foil is not included with the standard system.

Step 4 – Fit the exterior tube with lens

The outer tube has a transparent lens attached to the top of the tube. This must now first be pushed in through the flashing. The tube will suspend in place from the protruding edge of the lens.



Note: With the ECO version, the pipe must be completely insulated, we recommend doing this in advance with an insulation foil such as Alkreflex. This insulation foil is not included with the standard set.

Step 5 – Fit the Cradle glass daylight collector to the roof flashing

The glass daylight collector is equipped with a sealing strip on the inside of the aluminum ring. Therefore, the glass daylight collector can be fitted directly onto the roof flashing.

Orient the glass daylight collector:

The internal reflective grid should be oriented so that the central (smaller) segments of the reflective side are facing south. The reflective side is shinier than the other side and 'looks' at the inside of the daylight tube. The dull side of the grid must therefore point to the north. The image below helps to determine the correct direction.



Screw the Cradle glass daylight collector to the roof flashing with the three screws supplied through the steel ring.





Continuation of the installation instruction

For the continuation of the installation instructions (internal and ceiling diffuser), we refer you to the separate installation instructions that belongs to the chosen ceiling diffuser. With the 'round diffuser (no ceiling)', if we know the desired system length in advance, it will be delivered pre-assembled, in which case the installation would now be complete.



Techcomlight is the manufacturer of Powerdaylight
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