

Installation instructions

External (roof) components 25 cm and 35 cm Ø systems Ubiflex pitched roof flashing

Version: 2023-01

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Foreword

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 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 openings

Determine where you want to install the Powerdaylight system from the inside and mark the position through the roof and ceiling.

Note: Consider the roof construction and any electrical wires or pipes which may be hidden within the roof void!

Create a neat, round opening of the appropriate diameter below through the roof.

Powerdaylight 25 cm: between Ø 270 - Ø 280 mm

Powerdaylight 35 cm: between Ø 370 - Ø 380 mm

Create a neat, round opening of the appropriate diameter below through the ceiling.

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

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

Powerdaylight 25 cm Justfrost: 267 x 267 mm

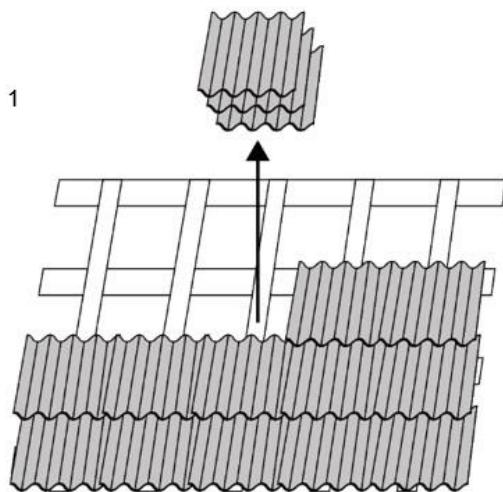
Powerdaylight 25 cm Recessed: 245 x 245 mm

Powerdaylight 35 cm Justfrost: 367 x 367 mm

Powerdaylight 35 cm Recessed: 345 x 345 mm

Step 2 – Mount 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.

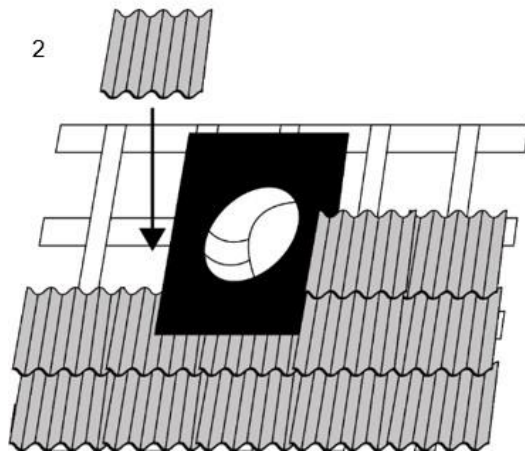
Once the final position is determined, mark and cut any obstructing tile batten to allow the top tube assembly to fit through the flashing down into the roof void.

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.

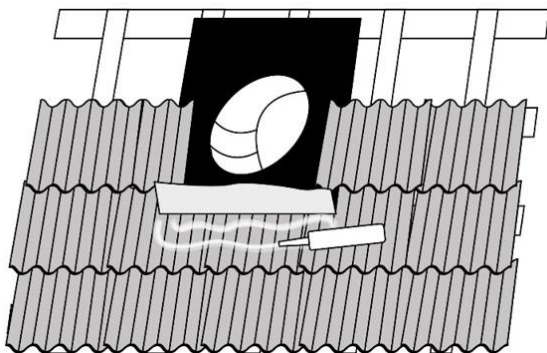
Create a weather stop by folding the sides and top of the flashing upwards by a few centimetres.

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



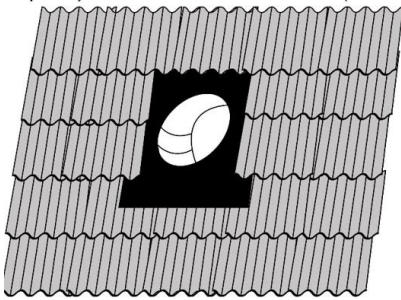
Secure the lower skirt of the flashing down onto the tiles below with the High-tack adhesive / sealant and tile clips provided.

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

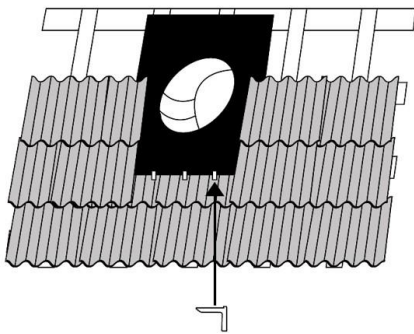


Fit the roof tiles back around the sides and top of the roof flashing.

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



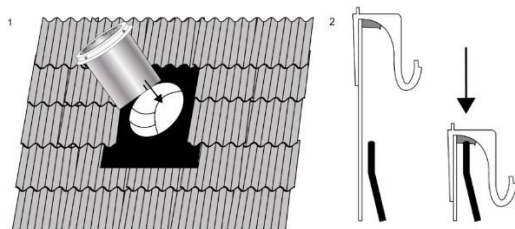
The three tile clips provided are also used to secure the bottom skirt of the flashing down onto the roof. Clamp the short "leg" of the clips between two tiles beneath the edge of the flashing and bend the long "leg" back over the edge of the flashing to clamp it in place.



Step 3 – Install top tube assembly

Carefully insert the top tube assembly down through the roof flashing until the transparent dome ring is correctly seated down onto the top lip of the flashing as shown below.

Note: With the ECO version, the tube must be completely insulated externally. We advise to do this in advance with an insulating material such as Alkreflex. This insulation material is not included with the system as standard.

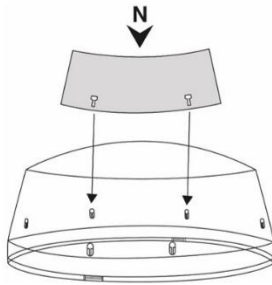


Fix the dome ring onto the roof flashing using the dome screws provided, screwed through the four grey spacers from the outside in. The screws will pierce through the flashing and the inside of the reflective tubing. Be careful not to overtighten the screws as this may cause damage to the dome ring.

Now remove the transparent protective film from the inside of the top tube assembly.

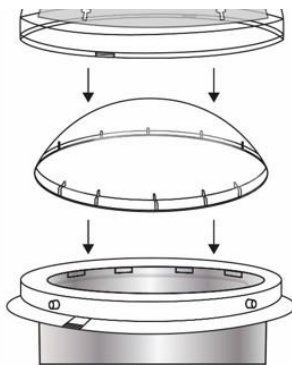
Step 4 – Install LightTracker flex

Place the dome upside down on a soft clean surface. Fit the LightTracker flex (this is the mirrored insert) with the reflective side facing inwards. Align the holes in the LightTracker over the corresponding tabs inside the dome and slide the LightTracker flex downwards to secure it in place.



Step 5 – Fit the roof dome

ECO version: Before fitting the outer dome, snap the ECI inner dome onto the dome ring using the 4 snap closures.



Snap the dome onto the dome ring using the 4 snap closures. Ensure that all four connecting points are properly engaged.

Important: Fit the dome with the LightTracker flex on the north side (facing south).

Tip: If you want to remove the dome again, insert the end of a wide screwdriver into the opening of the snap fasteners and pry it off one by one from below.

Continuation of the installation instructions:

For the continuation of the installation instructions (internal / ceiling components) we refer you to the separate installation instructions for the chosen ceiling diffuser.