



Installation instructions

Interior components 25 cm, 35 cm and 53 cm square recessed ceiling diffuser

Version: 2025-04

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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 - Install transition box

Option A – new ceiling

Make a wooden framework at the right height around the desired position of the transition box. Pay attention to the thickness of the ceiling: if the plaster ceiling is thicker than the pre-mounted plaster returns on the transition box, the framework must be lowered by the difference, and the ceiling plasterboards must be tapered at the height of the transition box.

Option B – existing ceiling

Make the correct opening in the ceiling, and also provide another opening next to this opening through which the transition box fits and can be placed on the ceiling. Place the transition box from above in the opening and check whether the pre-assembled plaster returns on the transition box protrude below the ceiling. If this is not the case, taper the ceiling with, for example, a multi-tool around the opening so that the transition box sinks further and there is space to be plastered later. Connect the exterior tube that penetrates down through the roof to the transition box with extension tubes and/or bends as necessary. Seal all tube section joints / seams with aluminium tape.

Now continue with step 3 (step 2 can be skipped).

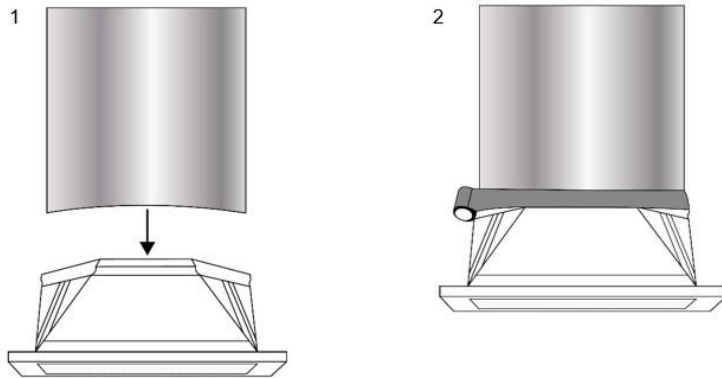
Option C – Mount the transition box on the ceiling by means of a larger opening:

Make an opening in the ceiling that is large enough to insert the transition box. Note that the opening must then be reduced again. Place the transition box on the ceiling in the opening and check whether the pre-mounted plaster returns protrude below the ceiling. If this is not the case, taper the ceiling with, for example, a multi-tool around the opening so that the converter box sinks further and there is space to be plastered later.

Step 2 – Fit interior tube

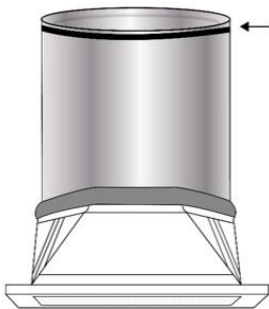
Fit the interior tube down onto the top of the transition box and tape it into place with the aluminium tape provided as shown below.

For the Eco version, fit the clear insulation lens over the top of the interior tube and tape it into place around the outside of the tube with the aluminium tape provided.



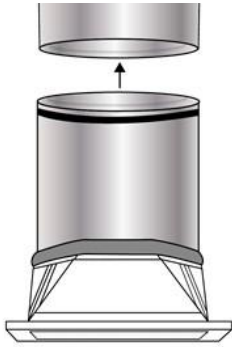
Stick the brush seal around the outside of the top of the interior tube. Using the entire sealing strip, wrap the seal around the tube keeping the rings tightly together.

Please note: if additional extension tubes are being used this operation must be carried out around the top of the uppermost extension tube!



Now remove the protective film from the inside of the interior tube and any other sections of tube.

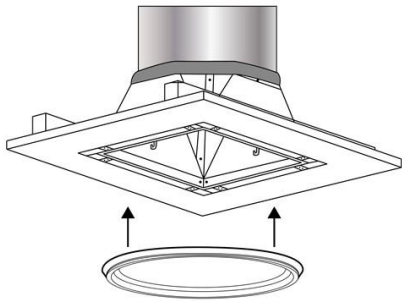
Push the interior tube / transition box up through the opening in the ceiling so that the interior tube fits up inside the section of tubing above.



Screw the transition box to the wooden framework.

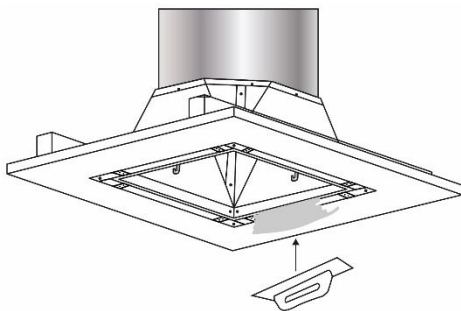
Step 3 – Fit the Natural effect lens

Push the Natural Effect Lens up into place inside the transition box as shown below.



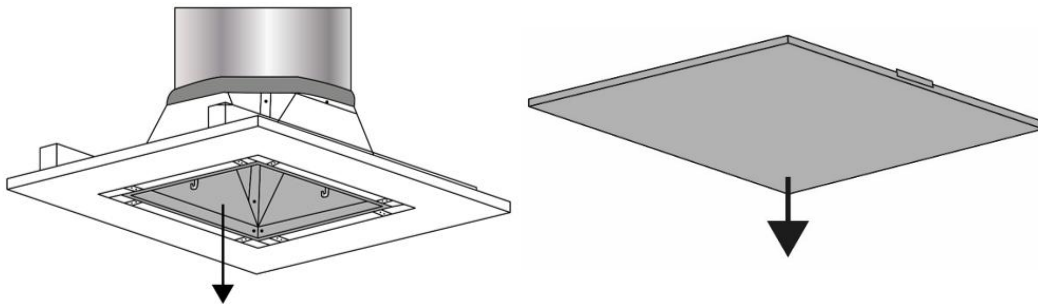
Step 4 – Applying plaster

Apply the ceiling tiles and/or plaster up to the stainless steel plaster returns of the transition box.



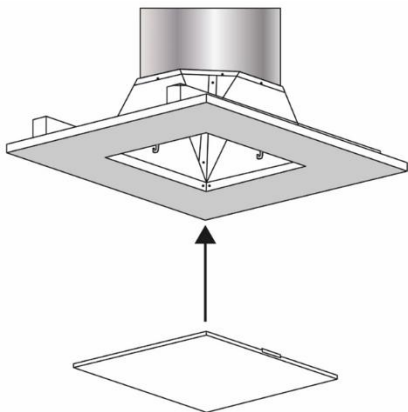
Step 5 – Remove the protective film from the transition box

Remove the protective film from the inside of the transition box and from both sides of the diffuser.



Step 6 - Install the ceiling diffuser

When the plaster is dry, the diffuser must be inserted diagonally up into the bottom of the transition box. Then turn the diffuser so that it aligns directly above the square opening. Gently lower the diffuser so that it fits exactly into the recess.



This completes the installation.