



Guardian Roof Lantern Installation Guide

The ultimate daylighting solution combining contemporary looks and a flush-fit interior finish with superior performance and durability.



GUARD-LOCK


Guardian
Roof Lantern

Introduction

Sleek and elegant in design, our Roof Lantern has been innovatively designed for easy and efficient installation.

- ◆ Strong, light and robust machine-finished aluminium.
- ◆ Reduced number of parts for faster installation.
- ◆ GUARD-Lock technology for security, thermal performance and efficient installation.

Top cap



An immovable top cap which is easy to install but impossible to remove.



Glazing enclosure



A uniquely designed glazing enclosure creates a highly secure glass lock and is enhanced with anti-tamper rafter screws.



A unique 'click-fit' rafter system allows for ease of installation and also provides immense strength throughout the Roof Lantern.

Contents

Components	4
Tools Required	5
Step 1 - Preparing the opening and ringbeam	6
Step 2 - Installing the ringbeam	8
Step 3 - Ridge and hip assembly	10
Step 4 - Installing the glass	12
Step 5 - Ridge and hip, top and end caps	14

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Components



Ringbeam end profile



Ridge end cap



Corner casting



Ridge end seal



Plastic corner moulding



Foam bung



Hip end cap



Ridge end



Internal ridge



Threaded bar



Tools required

Cordless drill



Silicone gun



M10 & M8 spanner and nut spanner



M10 & M8 ratchet and nut spanner



Tape measure



Angle finder



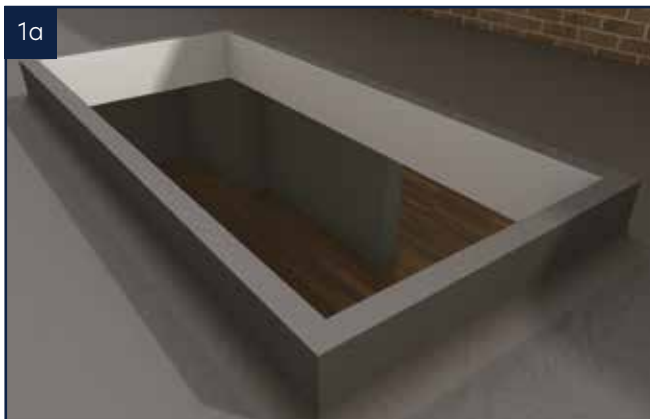
Spirit level



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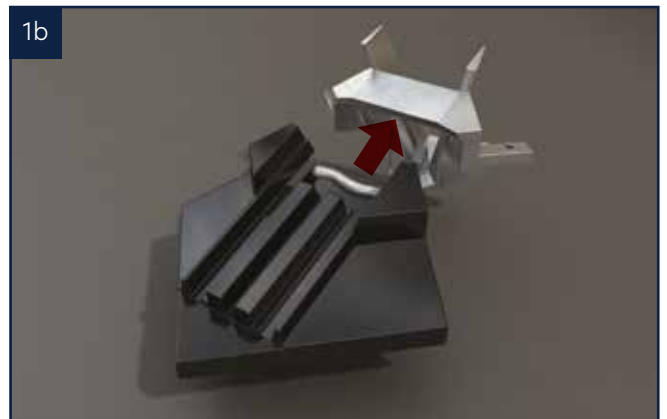
Step 1

Preparing the opening and ringbeam



Once you have built your flat roof it is critical that the opening matches the size of the Lantern.

Ensure there is a 4 x 3 upstand and check this is square and level.

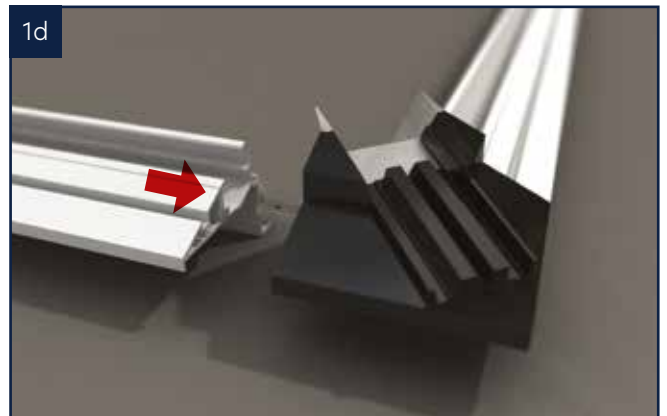


Apply a bead of silicone to the back edge of the plastic corner moulding and assemble with the corner casting.

Repeat this for all four corners.



Remove the upper cladding from the pre-assembled ringbeam.



Slide the ringbeam onto the assembled corner section.

Repeat this for all four corners.

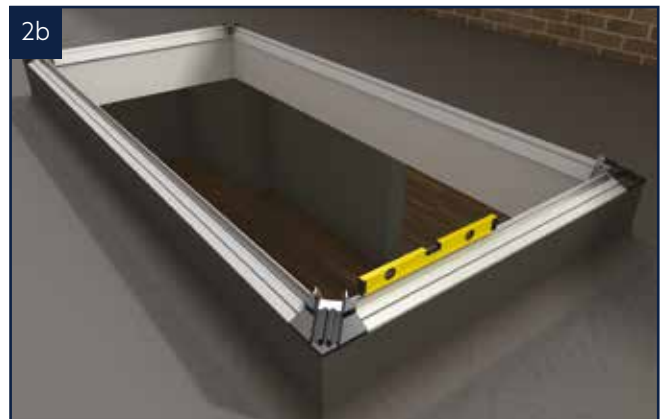


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Step 2 Installing the ringbeam



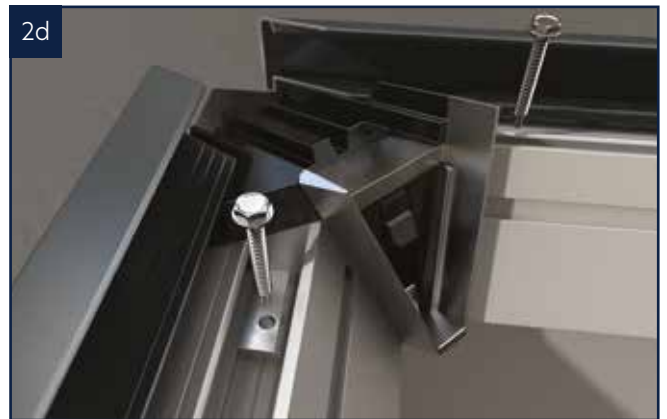
2a Apply a continuous bead of sealant to the outer edge of the upstand.



2b Position the full ringbeam assembly onto the upstand, ensure it is square and level.



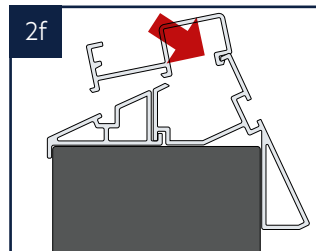
2c Ensure corners are tightly held against the aluminium. The corner connector assembly may need plastic packers behind if the upstand is not square or exact size.



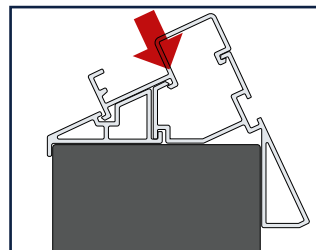
2d Fix the corners down into place through the cleats and ringbeam at each corner.



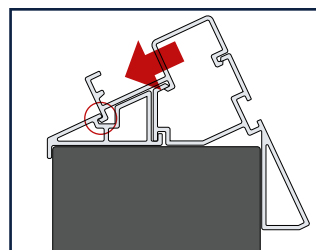
Fully fix down the entire ringbeam around the perimeter at approximately 100 mm from each corner and 400 mm centres using LRSB001 A2 Stainless hex head tech screw (4.8 mm x 50 mm).



1. Fix the upper cladding back onto the ringbeam by clipping in the top edge under the lip.



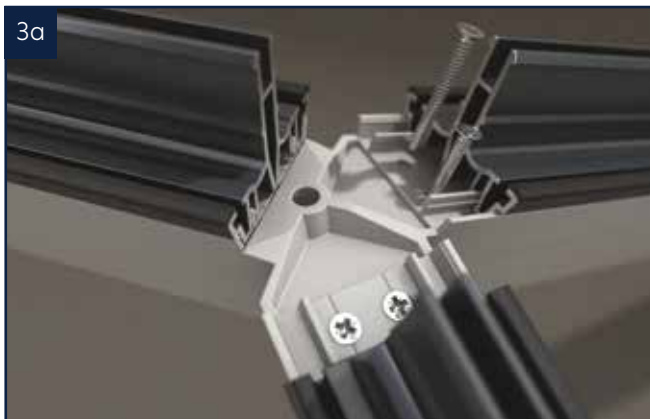
2. Tap the middle section of the upper cladding with a rubber mallet to ensure it clips into place.



3. Finally, push the upper cladding towards the outside of the ringbeam so that the bottom clip engages.

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Step 3 Ridge and hip assembly



3a Assemble all four hips to the ridge ends ensuring the screws are securely tightened.



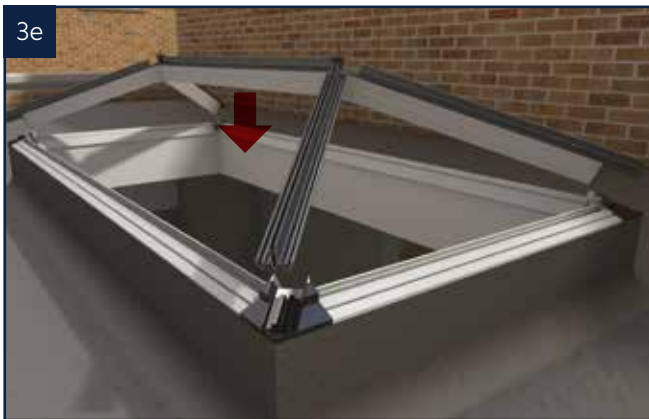
3b The internal ridge end can now be assembled using the long-threaded bar and nut.



3c Place the nut on the thread bar and tighten.



3d Place the foam bung seal over the thread bar and push down into position.



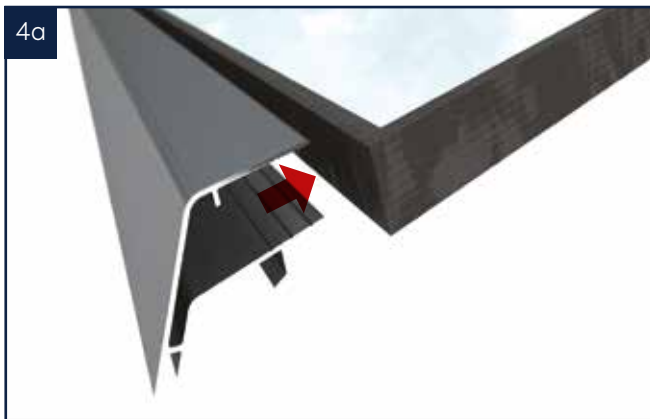
Lift the whole ridge assembly into place.



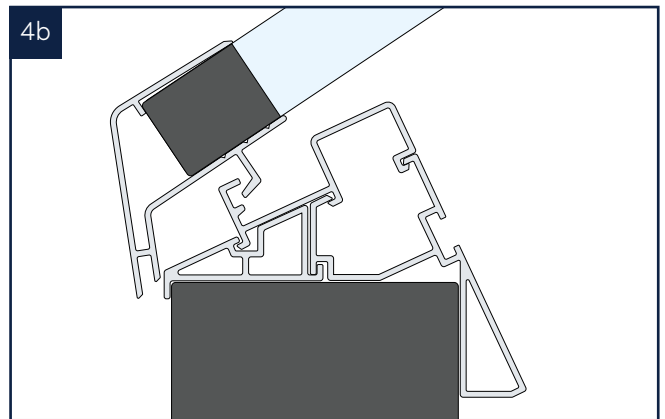
Ensure all the hips line up with the ringbeam corners.
With a downward motion click the hips into place.
Check all hips are locked into place at all four corners by applying an upward force on the hip.

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Step 4 Installing the glass



Fit a glazing end profile to the end of each piece of glass by pushing into place.



Positioned the glass onto the eaves beam (please note the correct positioning of the glass).



Lock glass in place by lowering the top of the glass onto the frame.



Position all four glass sections ensuring they are central to the lantern assembly with equal spacings either side of the hip bar.



4e Apply sealant to the underside of the ridge end seal.

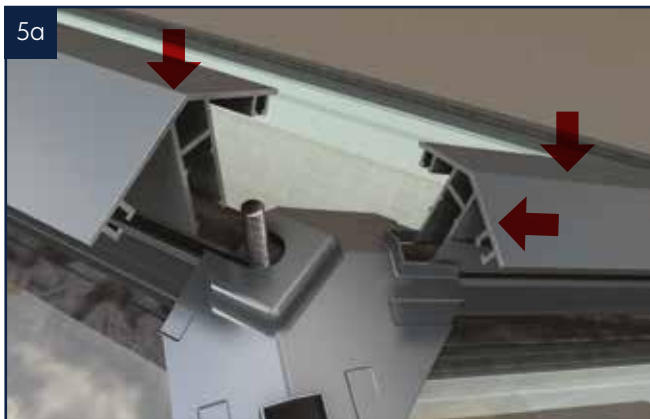


4f Position the ridge end seal in place ensuring it is central to the hip bars and ridge.

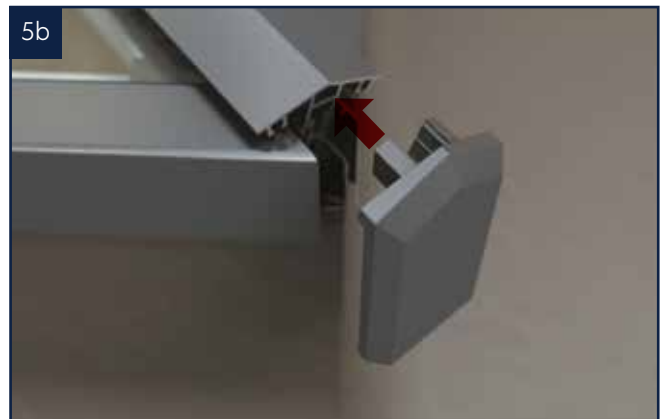
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Step 5

Ridge and hip, top and end caps



5a
Ensuring the hip caps are dropped in place below the seal and then tapped up from the bottom to be level with the thermal break edge.



5b
Push on the hip end caps ensuring they are firmly in place.



5c
Apply sealant to the top of the ridge end seal.



5d
Fit the ridge end caps ensuring they are firmly in place.





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Guardian Warm Roof is a home improvement solution from Guardian Building Systems

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