

Conservation Rooflights®, National Trust property, Cornwall. For the full case study visit:
www.therooflightcompany.co.uk/case-studies

the Conservation Rooflight®

the Conservation Rooflight®



Why specify the original Conservation Rooflight® ?

A roof window range suitable for roof pitches between 17.5° and 65°.

The Conservation Rooflight® remains faithful to its Victorian heritage whilst embracing continual technical developments to stay ahead of Building Regulations.

Traditional Appearance & Approval by Planning Authorities

With its ultra-low profile, fine lines of steel, glazing bar, and silicone fronting to replicate putty, the original Conservation Rooflight® complies with Planning requirements for roof windows installations for Listed Buildings and buildings in Conservation Areas including barn and loft conversions (subject to Planning Permission). The range consists of sixteen sizes of top-hinged roof windows and two sizes of side-hinged Egress & Access Rooflights, all of which replicate specific Victorian models in their sizes and appearance. Due to its close resemblance to the Victorian cast-iron rooflight and the fact that it lies flush in the roof, the original Conservation Rooflight® is frequently recommended for use in historic property by English Heritage and Local Authority Conservation and Historic Buildings officers. It is continuously specified by the National Trust, and has been specified on such projects as the Roundhouse (Derby College), the Natural History Museum, Kensington Palace and the National Library for Scotland.



Flush fitting, glazing bars, slim sections and stepped glazing detail on the bottom edge give the appearance of a single glazed traditional unit.

Performance and Quality

The Conservation Rooflight® is CE Marked to EN 14351-1:2006+A1:2010.

The Conservation Rooflight® achieves a whole window u-value of 1.5Wm²K in accordance with EN ISO 10077-2:2012. The u-value results are for the window orientated in the vertical plane.

The patented Thermoliner® decoupled lining improves thermal performance and condensation control.

The Rooflight Company operates to the ISO9001:2008 Quality Management System which ensures quality and consistency in its products, services and processes. The Conservation Rooflight® has been weathertightness tested and met the requirements of BS6375-1:2009 exposure category 2000 and has been tested for air permeability to EN 1026:2000 and met class 4, the Conservation Egress/Access Rooflight met class 3.



The Conservation Rooflight® is hand assembled in our Oxfordshire Workshop.

Why specify the original Conservation Rooflight® ?

Long Life and Low Maintenance

The Conservation Rooflight® is made from 3mm mild steel with a protective Korroprimer system on shot blasted steel coating and are polyester powder-coated. No penetrations are permitted to the coating externally after painting to maintain the integrity. Consequently there is a guarantee on the roof window coating of between 5 and 12 years, depending on location and maintenance (see website for details). Silicone is used as beading and fronting to the glazing, which has a minimum service life of 5 years. It resembles traditional putty in appearance, but does not require painting or ongoing maintenance. Hinges utilise all stainless steel components for improved longevity. **If you are choosing roof windows for a property in an industrial or maritime area or which is subject to a potentially corrosive or polluted environment call our Customer Services team and ask about the different material specifications (eg stainless steel) we offer to suit your specific needs. Please note that these areas do not qualify for the same guarantee.**

Versatile and Easy to Install

The Conservation Rooflight® is suitable for a pitched roof construction between 17.5° and 65°. It can be installed in lead, copper, zinc, standing seam and asphaltic roof types.

Installation drawings can be found on our website at www.therooflightcompany.co.uk/installation-drawings. If your roof falls outside of the pitch recommended please contact our customer services.

The Rooflight Company also offer a flashing kit which is suitable for tiled roof types. For more information see page 41.

Dedicated Support Team

As a company founded by an architect, we are unique in truly understanding the needs of architects. Our in-house design team has the capability to take your brief and translate that into a complete solution including technical drawings. For large or bespoke projects we can offer on-site surveys and installation support.



Hoffman Building CR-15s

A 17th and 18th Century former theatre and college in North London, converted into 41 contemporary loft apartments by Copthorn Homes and includes over one hundred Conservation Rooflights® of varying sizes from the Rooflight Company.



Porth Farm, National Trust, Cornwall
CR-9s

This National Trust property is a good example of the use of Conservation Rooflights® in a rural environment. They are specified in hundreds of National Trust properties throughout the country. As one Regional Manager commented: 'We use original Conservation Rooflights® since they are a very discreet product. This is because they are set flush and do not stand proud of the roof'

Specification Details

for the Conservation Rooflight®
and Studio Range

How the Thermoliner® works

The unique and patented Thermoliner® thermally decoupled lining made from UPVC ensures condensation control. It is integral to the rooflight frame, inconspicuous and rebated for 12.5mm plasterboard or timber linings to aid internal finishing. The integral drainage slots ensure that any condensation that may occur is drained out of the building. The Thermoliner® is available in black, white, dark and light grey to match BS colours detailed below. It is always recommended that rooms be well ventilated and that the room temperature be kept as constant as possible particularly in bathrooms and kitchens. Please ask for further advice.

Glazing

A typical glazing specification produces a glass centre pane u-value of 1.2Wm²K for the Conservation Rooflight®. Within our standard range we offer 8 different glazing specifications covering the most popular options and purposes. Please ask for details of our standard

Rooflight colour to match any roof covering

Black (RAL9005) is our standard stocked colour but white (RAL9010), dark grey (BS 00A13) and light grey (BS 00A09) are available and can be specified with matching silicone and Thermoliner®. However any colour of paint for the Conservation Rooflight® can be specified according to project requirements.

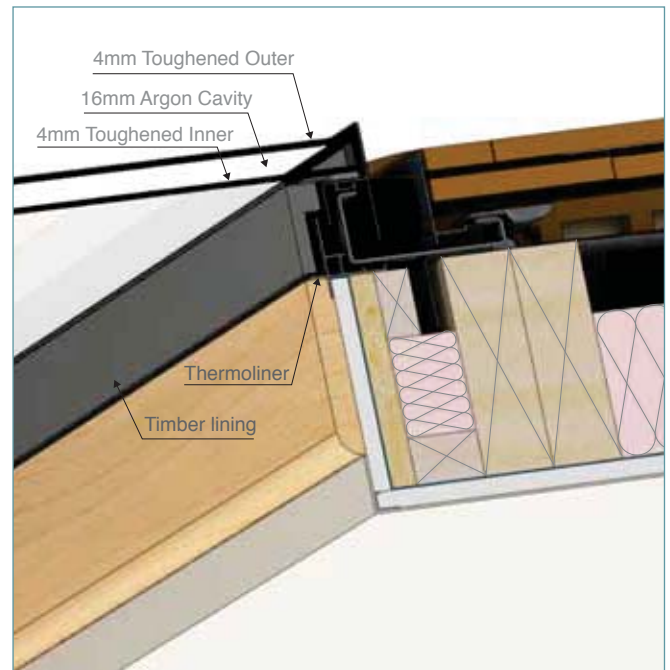
Please note that black silicone is our standard colour and black is the single colour choice for Activ Glass.

Openings

The Conservation Rooflight® is openable via use of Brass or Chrome ironmongery. Motorised actuation is also available. For more information on motors see page 38.

Linings

The Conservation Rooflight® is provided with moisture resistant linings which can be painted on-site to suit the room interior.

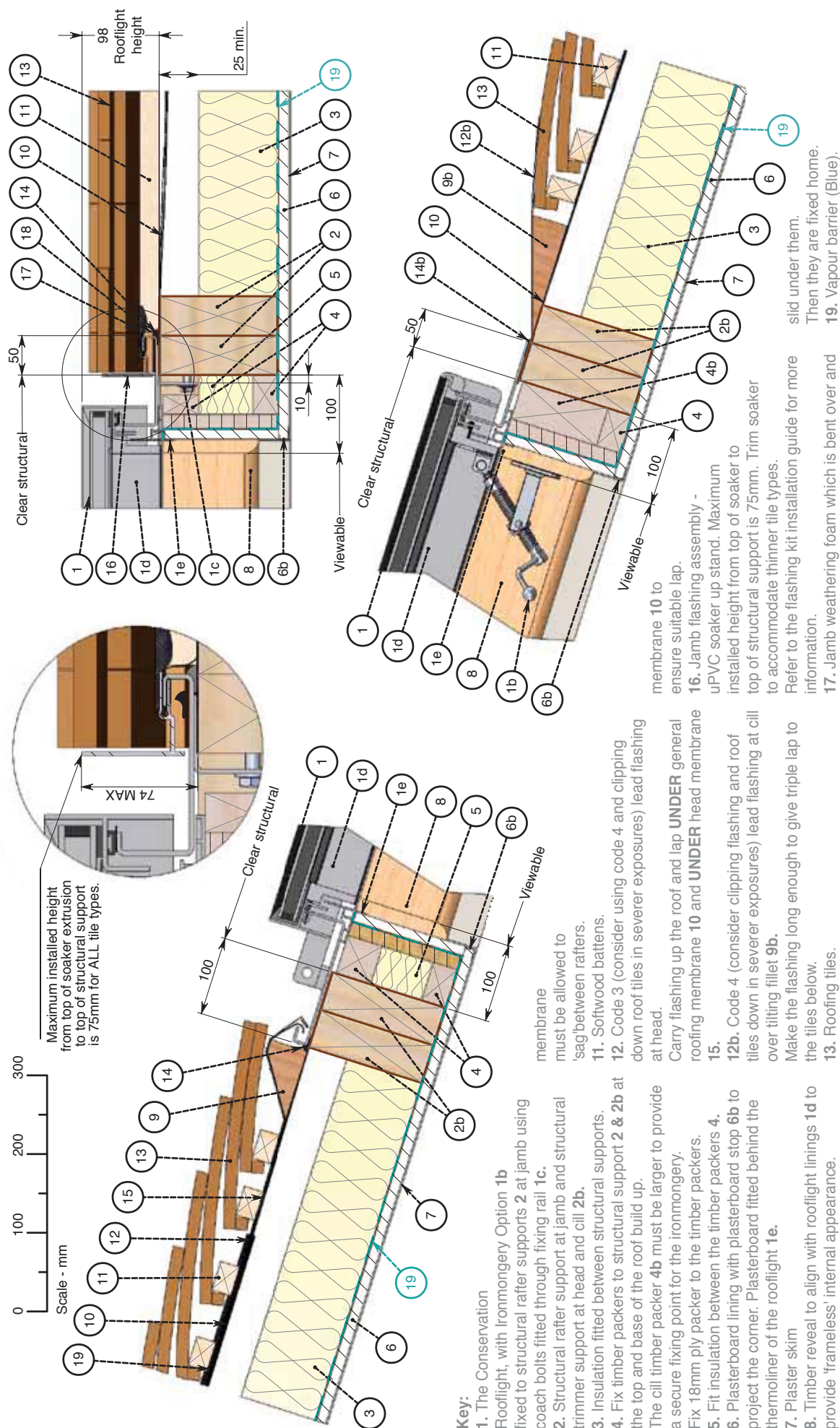


Jamb Section of the Conservation Rooflight®.



Any colour of paint can be specified.

Cross Section of the Conservation Rooflight®



Please Note:

These sectional details are provided as an installation suggestion. Due to the differing nature of installations we strongly advise you to consult your rooflight installer to verify fitness for purpose. This drawing does not constitute a structural proposal. Sufficiency of structural supports to be checked by rooflight purchaser's structural consultant.

one batten fixing is possible.

They pass UNDER the battens but OVER the general roofing membrane. The battens are tacked in position at the rooflight jambs only until the Flashing Kit is installed and the jamb aprons are

Flashing Kit is installed and the jamb aprons are

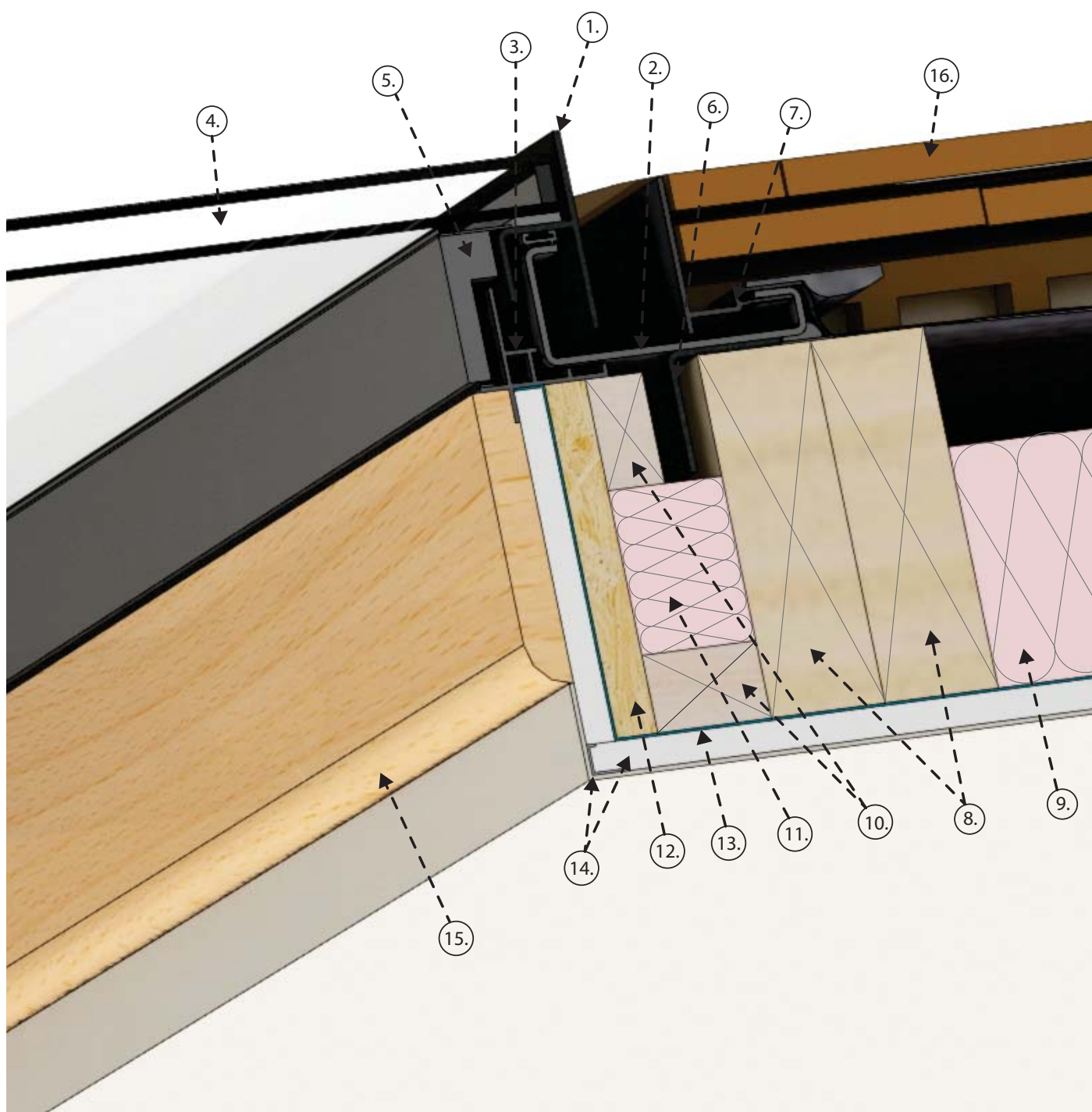
lead flashing 12 and OVER general roofing

lead flashing 12 and OVER general roofing

Jamb Section for the Conservation Rooflight® and Studio Range

Parts List

- | | | | |
|----|----------------------------------|-----|------------------------|
| 1. | Roof window casement | 9. | Insulation |
| 2. | Roof window baseplate | 10. | Timber packers |
| 3. | Roof window thermoliner | 11. | Insulation packer |
| 4. | Roof window double glazing panel | 12. | Ply packer |
| 5. | Roof window timber lining | 13. | Vapour barrier |
| 6. | Roof window fixing rail | 14. | Plaster board and skim |
| 7. | Flashing kit (Optional) | 15. | Timber reveal |
| 8. | Structural rafter support | 16. | Roof tiles |



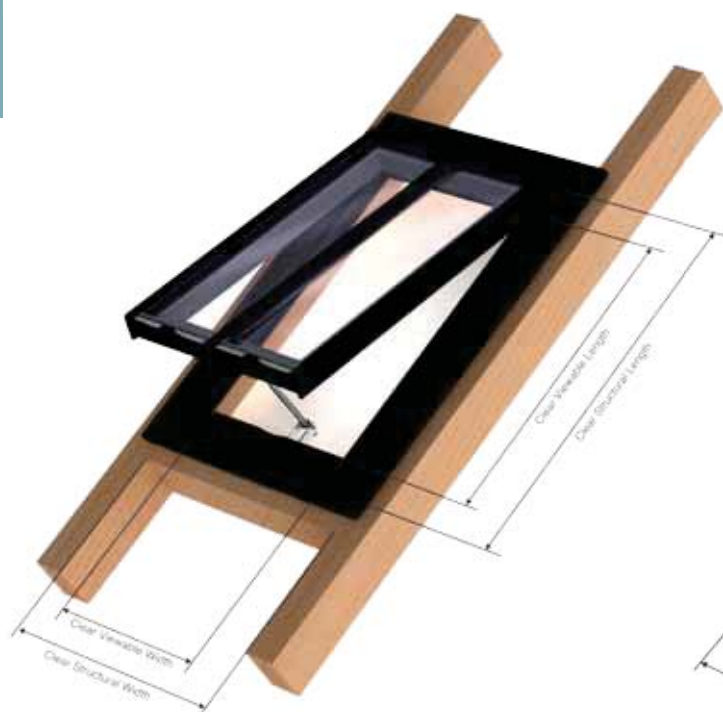
The Conservation Rooflight®

Sizing Information

There are sixteen standard sizes of top-hinged and two sizes of side-hinged Conservation Rooflights® available. The side-hinged E1 and E2 are fitted with gas struts, which hold the casement open.

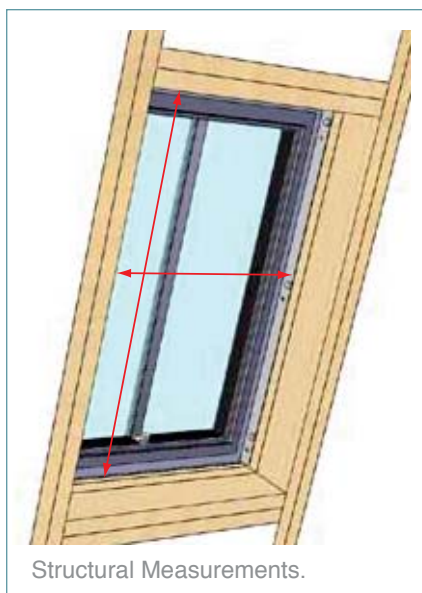
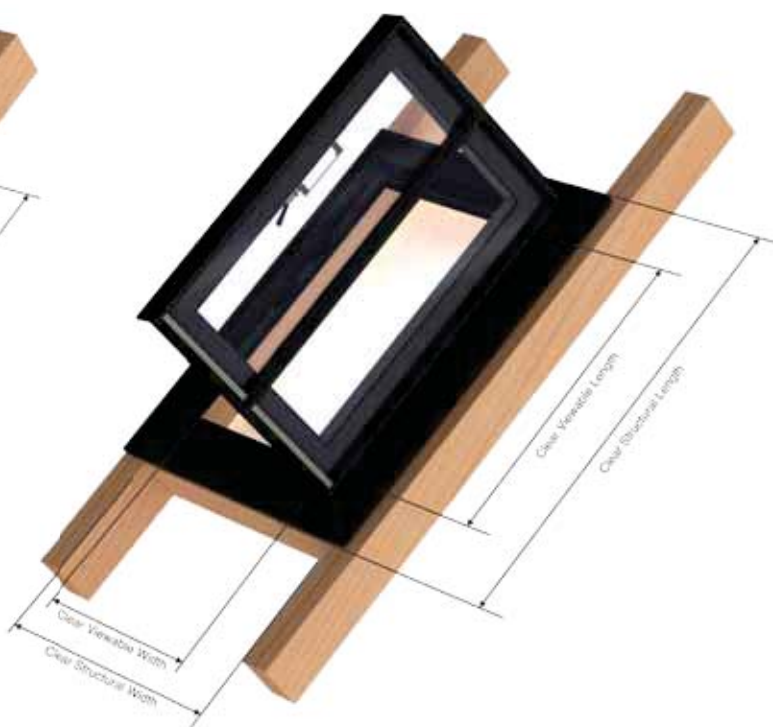
All Conservation Rooflights® include glazing bar(s) except CR-6, 2/1, 10/1. However, Conservation Rooflights® can be specified without glazing bars. If you do not require glazing bar(s) or if you wish to add a glazing bar. Please contact Customer Service for more details or to discuss your requirements.

Top-hinged rooflight: CR-9

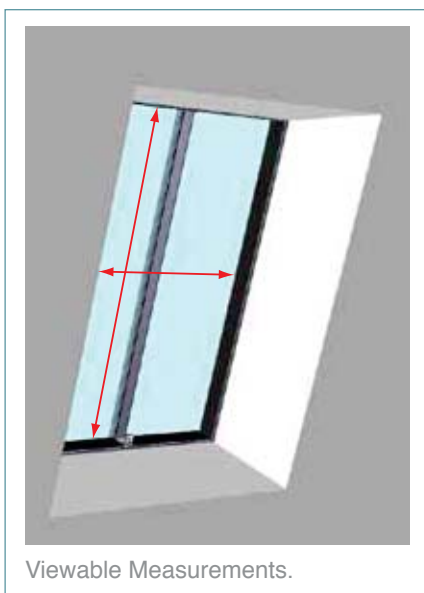


Side-hinged rooflight: E1-LG

(LG = left hinged with glazing bar)



Structural Measurements.



Viewable Measurements.

Sizes for the Conservation Rooflight®

Top Hinged

			Clear Viewable Width (mm)							
			Clear Structural Width (mm)							
			Between the Rafter Clear Structural Width* (mm)							
			161	212	263	365	415	517	669	821
			361	412	463	565	615	717	869	1021
			481	532	583	685	735	837	989	1141
320	520	780		CR-6 22kgs						
422	622	882			CR-7 28kgs					
525	725	985				CR-1 36kgs				CR-1/3 51kgs
675	875	1135	CR-2/1 32kgs				CR-8 42kgs			
828	1028	1288				CR-3 46kgs		CR-9 53kgs	CR-11 60kgs	
980	1180	1440	CR-10/1 42kgs					CR-10 58kgs		CR-13 73kgs
1133	1333	1593						CR-14/2 63kgs		CR-14 80kgs
1435	1635	1895						CR-15/2 77kgs		CR-15 94kgs

Clear Viewable Length (mm) | Clear Structural Length (mm) | Between the Rafter Clear Structural Length* (mm)

* Where the Conservation Rooflight® is required to sit flush to the roofline within narrow roof build-ups below 98mm or 108mm for Egress models, (from the top of the structural rafter to the outer face of the roof tile) we recommend a between-the-rafter installation.

Egress /Access Side Hinged

		Clear Viewable Width (mm)	
		Clear Structural Width (mm)	
		848	
		1114	
		1153	
		1419	
		537	
		537	
		888	
		888	
		E1LG 58kgs	
		E1RG 58kgs	
		E2LG 76kgs	
		E2RG 76kgs	

Clear Viewable Length (mm) | Clear Structural Length (mm)

For prices please see separate price list,
www.therooflightcompany.co.uk or contact Customer Services. See page 40 for ironmongery options.
 Conservation Rooflights® can be specified without glazing bars. Please contact Customer Services.