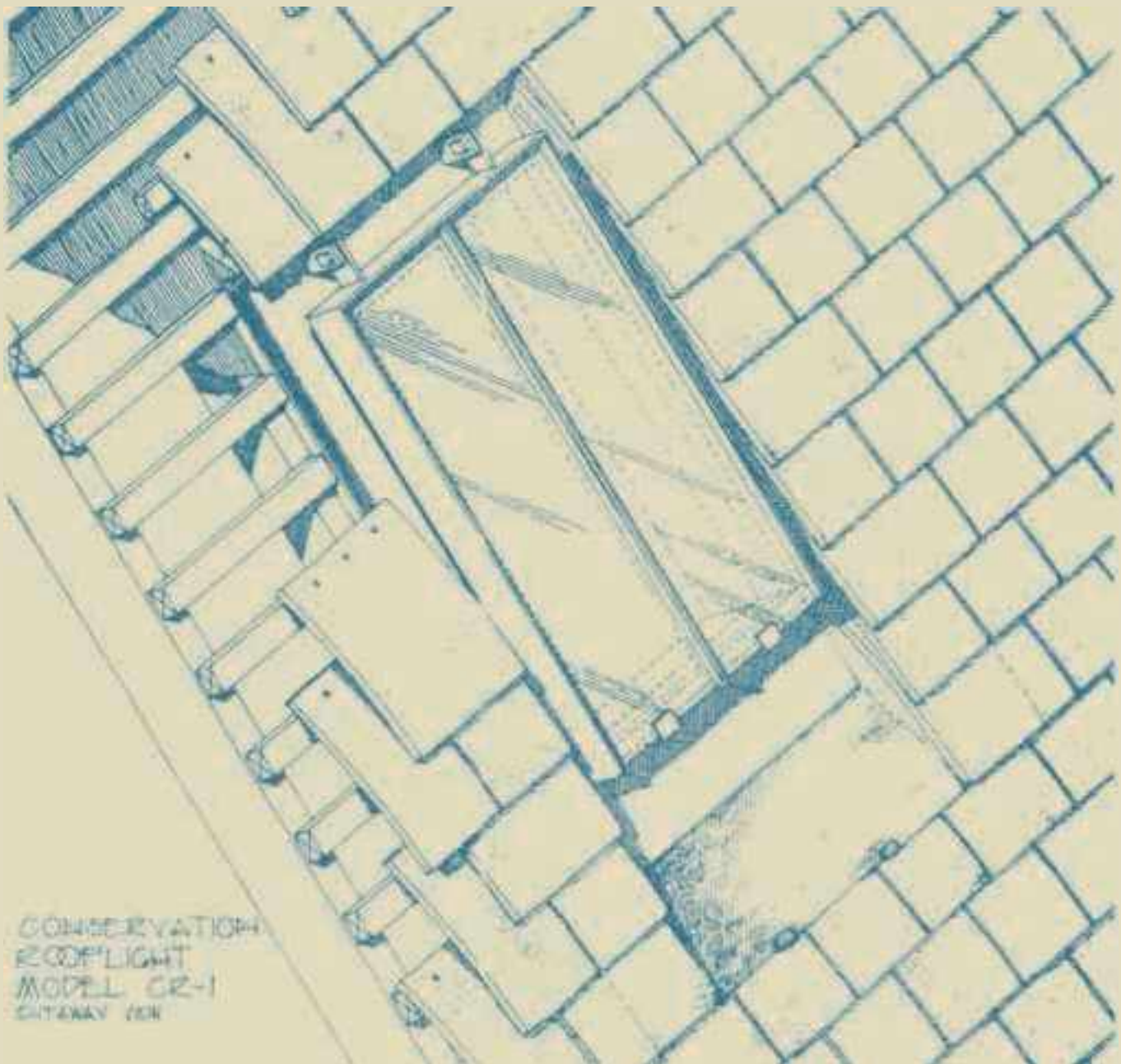


Cutaway View of the Conservation Rooflight®



GR-1 UNIT
1:20 SCALE

WHAT IS THE CONSERVATION ROOFLIGHT ?

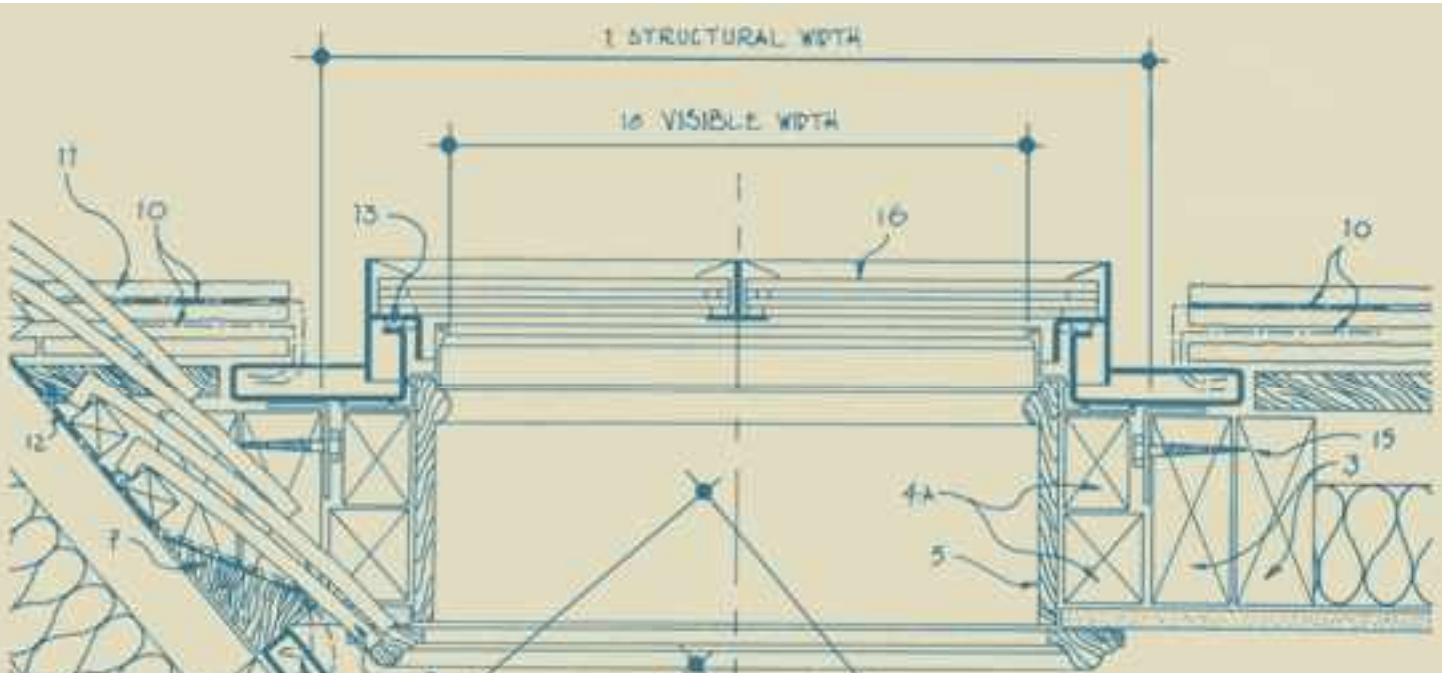
- IT IS A FAITHFUL REPLICATION OF A LOW-PROFILE TRADITIONAL CAST-IRON ROOFLIGHT, BUT BROUGHT UP TO DATE BY THE USE OF DOUBLE GLAZING, DRAUGHTSTRIPPING AND LONG-LIFE PAINT SYSTEM.

FEATURES -

- EASY TO INSTALL AND SUITABLE FOR ALL TILED ROOF COVERINGS.
- OPENABLE FOR VENTILATION & CLEANING.
- SHEET STEEL CONSTRUCTION WITH PROTECTIVE COATING AND POLYESTER POWDER PAINTED (STANDARD COLOUR IS BLACK).
- DOUBLE GLAZED AS STANDARD.
- REPLACEABLE CLIP-ON DRAUGHTSTRIP FITTED.
- RENOVATION OPTIONS AVAILABLE TO SUIT REQUIREMENTS.
- BRITISH MADE.

1 STRUCTURAL WIDTH

10 VISIBLE WIDTH



Cross Section

CR-1
1:5

Long Section

CR-1
1:5

Key

- 1 STRUCTURAL WIDTH
- 2 STRUCTURAL LENGTH
- 3 STRUCTURAL SUPPORT MEMBERS
THESE ARE LOCATED SO AS TO PERMIT DIRECT FIXINGS INTO THEM AT THE JAMBS
- 4 TRACKERS AND 4A PACKERS
- 5 FASCIA BOARD SLOTS INTO PRE-FORMED RECESS IN THERMOLINER. WE STRONGLY RECOMMEND TIMBER LININGS
- 6 THERMOLINER® THERMALLY DECOUPLED LINING
- 7 SHAPED HARDWOOD TILING FILLET- THIS MUST SLOPE DOWNWARD & OUTWARD
- 8 LEAD FLASHING AT ROOFLIGHT FOOT AND 5A AT HEAD (IN SEVERELY EXPOSED AREAS)
- 9 SLATES/UNDERCLOAKING TILE
- 10 LEAD SOAKERS WEATHER JAMB ABUTMENTS AS SHOWN. THESE ARE DRY-FIT AND LOW IN MAINTENANCE REQUIREMENT
- 11 JAMB TILES MAY REQUIRE CUTTING TO COURSE AND FIT
- 12 ROOFING FELT
- 13 NEOPRENE DRAUGHTSTRIP
- 14 OPENING ROOFMONGERY (HAND-WINDER SHOWN HERE ON BRACKET SUPPLIED BY TRE)
- 15 FIXING BRACKET & COACHSCREW (SUPPLIED BY TRE)
- 16 DOUBLE GLAZING PANEL
- 17 SEAT THE ROOFLIGHT ON A CONTINUOUS THICK BEAD OF LOW-MODULUS NEUTRAL CURS SILICONE
- 18 VISIBLE WIDTH
- 19 VISIBLE LENGTH

NOTE: Designers are advised to check their use details for compliance with all currently applicable Local Authority bylaws, Acts of parliament and British Standards Codes of Practice

See installation manual for further details.

Specification Details for the Conservation Rooflight® Studio Range and Specials

How the Thermoliner® works

The unique and patented *Thermoliner*® thermally decoupled lining made from UPVC ensures that no condensation problems occur. It does this by isolating the cold bridge at the rooflight frame resulting in warm-to-the-touch internal surfaces. It is integral to the rooflight frame, inconspicuous and rebated for 12.5mm plasterboard or timber linings to aid internal finishing. When finished correctly, none of the rooflight perimeter metalwork should be visible. The integral drainage slots ensure that any condensation that may occur is drained out of the building. For situations where excessive amounts of condensation may occur e.g. bathrooms and kitchens, a *Thermoliner*® for the glazing bar(s) can be fitted on request. 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

The standard glazing specification is 4mm “K” toughened inner, 4mm toughened outer and 16mm argon-filled gap. This provides an average installed U Value of 1.35W/m² °K. If a further improved U Value is required, e.g. 1.1W/m² °K, this is readily available in addition to 11 specifications including Georgian Wire Cast and Pilkington Activ™ self-cleaning glass.

Ventilation Areas

Ventilation Areas for 300mm Opener Length

(Effective opening: 0.26m)

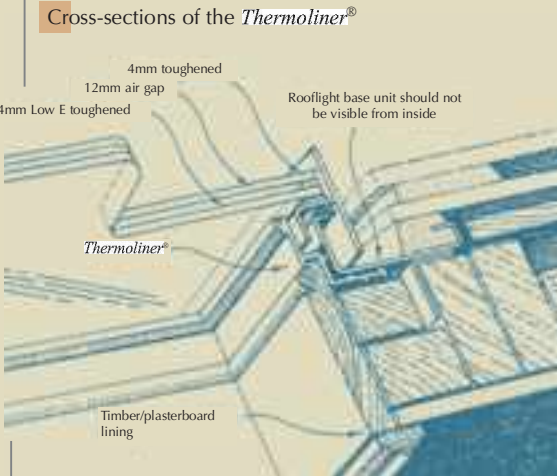
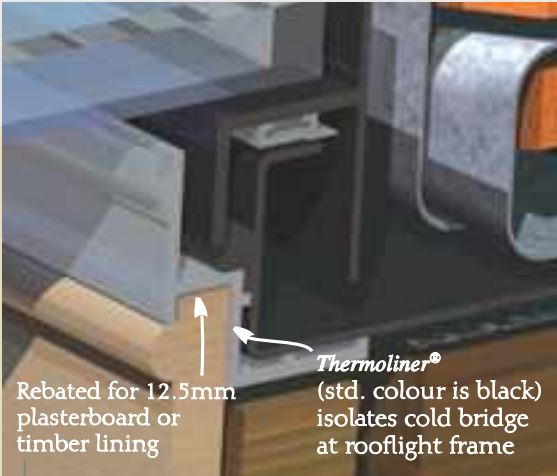
Please ask for variations for other openers

Model No.	CR-1	CR-2/1	CR-3	CR-5	CR-6	CR-7	CR-8	CR-1/3,9	CR-10	CR-10/1	CR-11	CR-13	CR-14	CR-14/2	CR-15	CR-15/2
Free Width (m)	0.435	0.231	0.435	0.231	0.282	0.333	0.485	0.587	0.587	0.231	0.739	0.891	0.891	0.587	0.891	0.587
Free Length (m)	0.595	0.745	0.898	0.34	0.39	0.492	0.745	0.898	1.05	1.05	0.898	1.05	1.203	1.203	1.505	1.505
Ventilation Area (m²)	0.27	0.25	0.35	0.15	0.17	0.21	0.32	0.39	0.43	0.33	0.43	0.50	0.54	0.47	0.62	0.54

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 is our standard colour kept in stock.



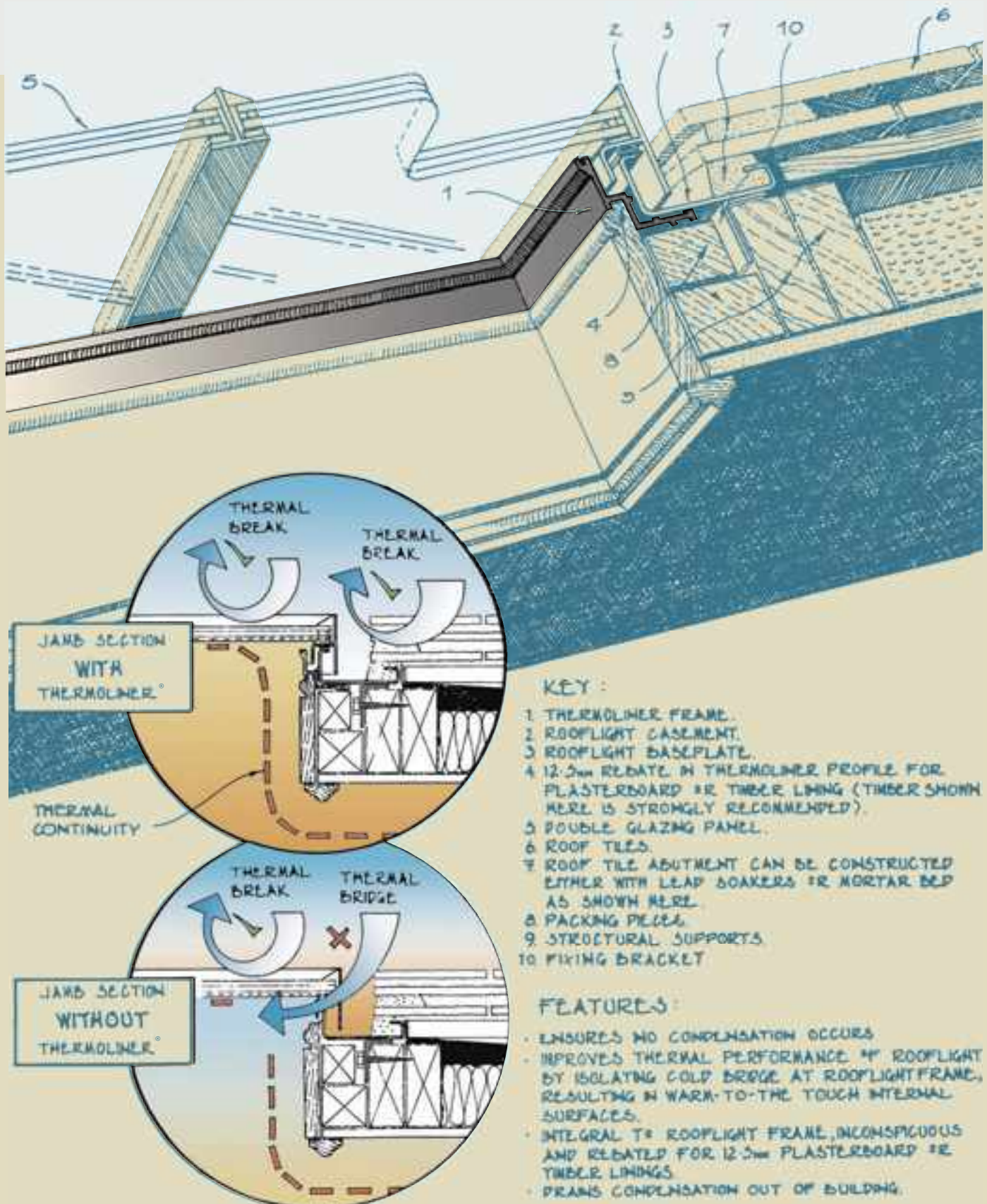
Standard glazing provides an average installed U Value of 1.35W/m² °K





Thermoliner[®] - Jamb Section for the Conservation Rooflight[®], Studio Range and Specials

Thermally-decoupled lining

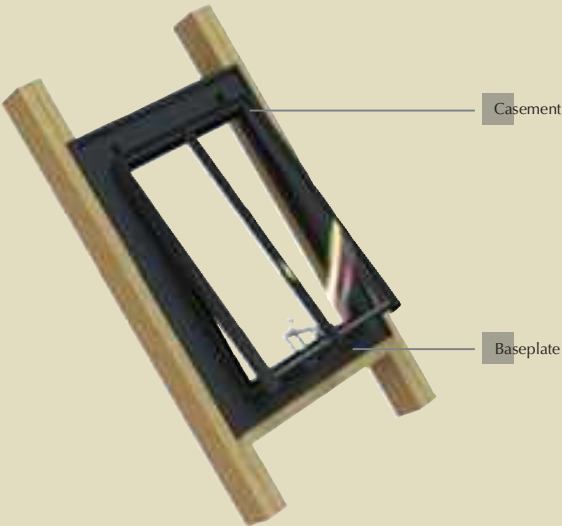


the Conservation Rooflight® Sizing Information

There are seventeen sizes of top-hinged and two side-hinged rooflights. The side-hinged E1 and E2 are fitted with gas struts and comply with B1 means of escape. For regular access to the roof the Access Footplate can be specified as an option, and for easy ingress an external handle and padlock hasp can be added. All Conservation

Rooflights® include glazing bar(s) except CR-5, 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 stipulate. Please contact Customer Service for more details or to discuss your requirements.

Top-hinged rooflight: CR-9

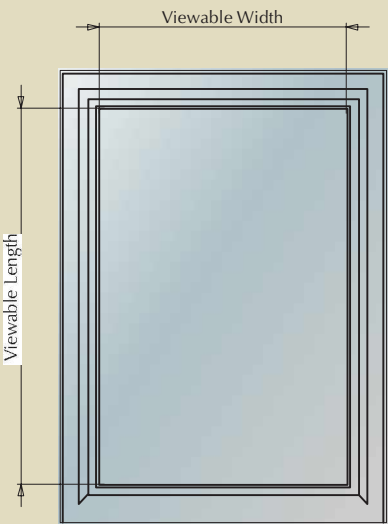


Side-hinged rooflight: E1-LG

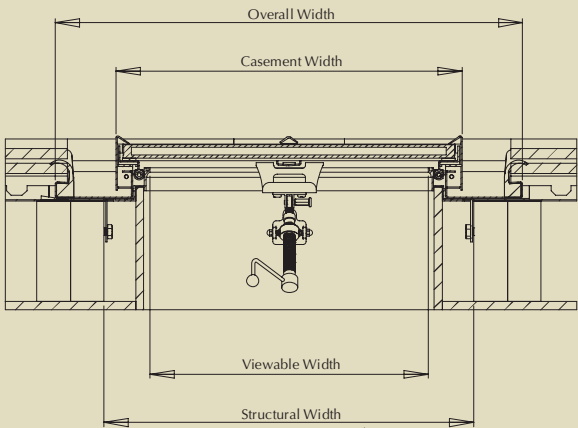
(LG = left hinged with glazing bar)



Viewable Area

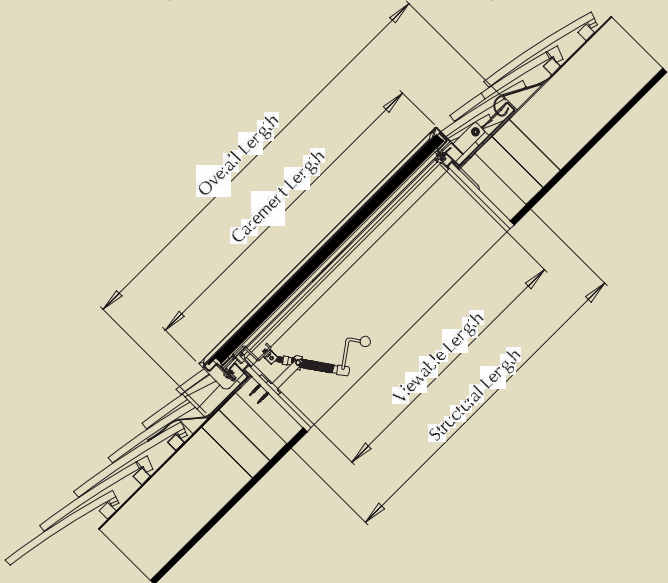


Structural Framing Diagram



Key Dimensions table

- Viewable:- The unobstructed viewable area. Inside looking out
- Casement:- The external dimension of the opening sash
- Structural:- Structural opening
- Overall:- Maximum width and length of the baseplate



Sizes for the Conservation Rooflight®

	CR-5	Top Hinged					Escape/Access Side Hinged					
	CR-6											
			CR-7									
					CR-1			CR-1/3				
	CR-2/1				CR-8							
			CR-3		CR-9		CR-11		E1LG		E1RG	
	CR-10/1				CR-10			CR-13				
					CR-14/2			CR-14		E2LG		E2RG
					CR-15/2			CR-15				

For definition of dimensions see page opposite

Model	Structural		Viewable		Overall		Weight kg
	Width mm	Length mm	Width mm	Length mm	Width mm	Length mm	
CR-1	565	725	385	545	665	875	27
CR-1/3	1021	725	841	545	1121	875	41
CR-2/1	361	875	181	695	461	1025	23
CR-3	565	1028	385	848	665	1178	35
CR-5	361	470	181	290	461	620	15
CR-6	412	520	232	340	512	670	17
CR-7	463	622	283	442	563	772	21
CR-8	615	875	435	695	715	1025	32
CR-9	717	1028	537	848	817	1178	40
CR-10	717	1180	537	1000	817	1330	45

Model	Structural		Viewable		Overall		Weight kg
	Width mm	Length mm	Width mm	Length mm	Width mm	Length mm	
CR-10/1	361	1180	181	1000	461	1330	30
CR-11	869	1028	689	848	969	1178	47
CR-13	1021	1180	841	1000	1121	1330	59
CR-14	1021	1333	841	1153	1121	1483	65
CR-14/2	717	1333	537	1153	817	1483	50
CR-15	1021	1635	841	1455	1121	1785	76
CR-15/2	717	1635	537	1455	817	1785	60
E1LG	802	1028	537	848	902	1178	41
E1RG	802	1028	537	848	902	1178	41
E2LG	802	1333	537	1153	902	1483	50
E2RG	802	1333	537	1153	902	1483	50

For prices please see separate price list, www.therooflightcompany.co.uk or contact Customer Services. See page 24 for ironmongery options.

Conservation Rooflights® can be specified without glazing bars. Please contact Customer Services.