

**CDM :HAZARD IDENTIFICATION - HANDLING MATERIALS**

BE AWARE OF SHARP EDGES AND CORNERS WHEN HANDLING MATERIALS. MOST EDGES AND CORNERS WILL BE DEBURRED BUT THERE IS STILL A SMALL RISK. WEAR APPROPRIATE PPE REQUIRED FOR THE TASK. THE WORK SHOULD BE DONE AT CLEAR HANDING OF MATERIALS FOR DEBURRING WITH THE HANDS FROM MANUAL HANDLING, THESE ARE:

- FIRST** :AVOID HAZARDOUS MANUAL HANDLING OPERATIONS SO FAR AS IS REASONABLY PRACTICABLE.
- SECOND** :AVOID ANY HAZARDOUS MANUAL HANDLING OPERATIONS THAT CANNOT BE AVOIDED, AND
- THIRD** :REDUCE THE RISK OF INJURY SO FAR AS IS REASONABLY PRACTICABLE.

HAND PROTECTION (MANDATORY TO BS EN 388:2016).

ROOFLIGHTS MUST ONLY BE INSTALLED BY COMPETENT CONTRACTORS.

DAWNER OF DAMAGING GLASS IF IT IS WALKED UPON. GLASS IS CLASSED AS NON-FRAGILE BUT SHOULD NOT BE WALKED ON. USE SPREADER BEAMS.

REFER TO RISK ASSESSMENT FOR FURTHER DETAILS.

NOTES

X No. REQUIRED

GLASS SPEC:  
OUTER : 33mm CLEAR TOUGHENED AND LAMINATED GLASS - 10/1.5/10/1.5/10  
CAVITY : 16mm ARGON FILLED + WARM EDGE SPACER  
INNER : 6mm CLEAR HST TOUGHENED GLASS + LOW E TO CAVITY FACE BONDED

LIGHT TRANSMISSION = 73.2%  
SOLAR GAIN = 46.8 g  
CENTRE PANE U-VALUE = 1.1 W/m².K  
ACOUSTIC = NPD

ROOFLIGHT ORDER SIZE = OVERALL FINISHED AND WEATHER KERB DIMS.

GLASS BONDED TO FRAME WITH GLAZING SECURITY TAPE - TN136.

KERB DETAILS SHOWN INDICATIVE DETAILED DESIGN BY OTHERS.

RECOMMENDED FALL TO HELP SHED WATER ONLY. UNIT CAN BE INSTALLED AT LOWER PITCHES. HIGHER IF NO WATER AT ALL IS DESIRED.

PRODUCT U-VALUE = U-Values are size dependant  
CENTRE PANE U VALUE = AS LOW AS 1.0W/M².K TO SPECIAL ORDER.

FLOOR LOADINGS TO BS EN 1991-1-1:

- 1.5 kN/m² Uniformly distributed load
- 2.0 kN Concentrated load
- 4.0 kN/m² Uniformly distributed load
- 3.6 kN Concentrated load
- 5.0 kN/m² Uniformly distributed load
- 4.5 kN Concentrated load

THESE LOADS ARE ARBITRARY. GLASS THICKNESS MAY VARY DEPENDING ON LOADS. LOADS TO BE AGREED/ SPECIFIED BY CLIENT.

PAINTED BORDER SHOWN AS STANDARD TO COVER GLAZING FRAME.

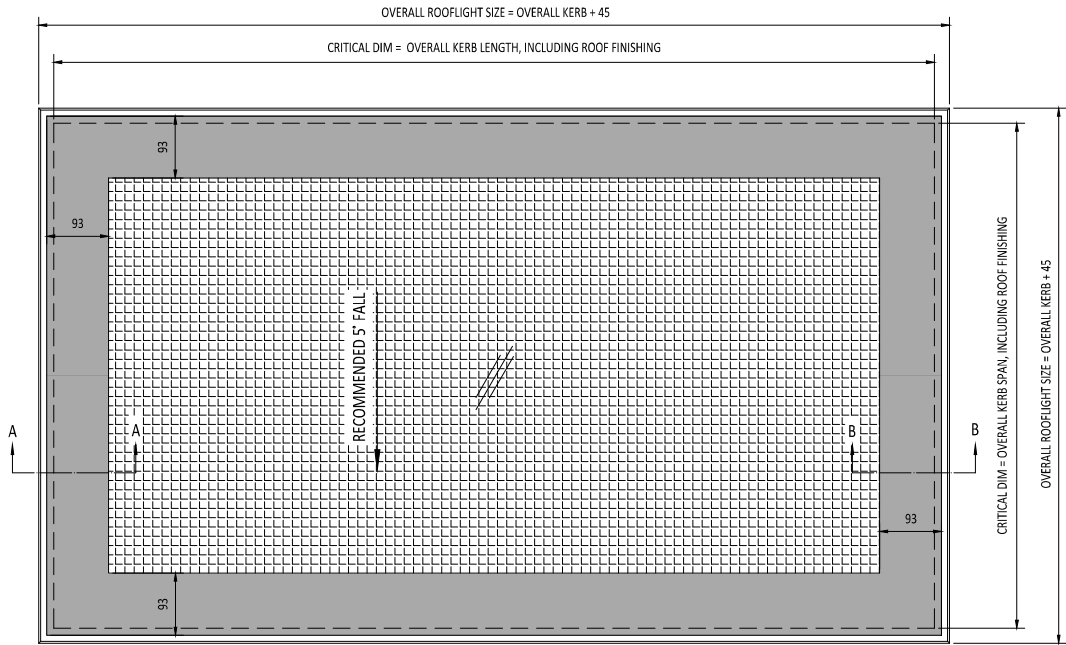
DIMENSIONS SHOWN DOWN THE SLOPE.

DIMENSIONS SHOWN TO TOP OF GLASS ARE APPROXIMATE.

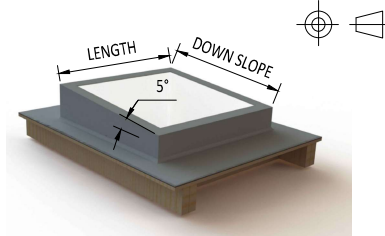
SEALING TO SURROUNDING CONSTRUCTION BY OTHERS.

THE MANUFACTURER RECOMMENDS AN ANTI-SLIP COATING TO WALK ON GLASS. DATA SHEET AVAILABLE FROM:  
[HTTPS://WWW.ROOFGLAZE.CO.UK/RESOURCES/TECHNICAL-DATA-SHEETS/](https://www.roofglaze.co.uk/resources/technical-data-sheets/)

WEIGHT FOR A 1m² UNIT:  
33/6 GLASS = 113 KG  
39/6 GLASS = 128 KG  
48/6 GLASS = 150 KG



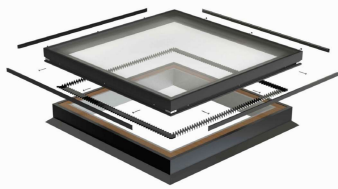
PLAN VIEW  
True view on slope



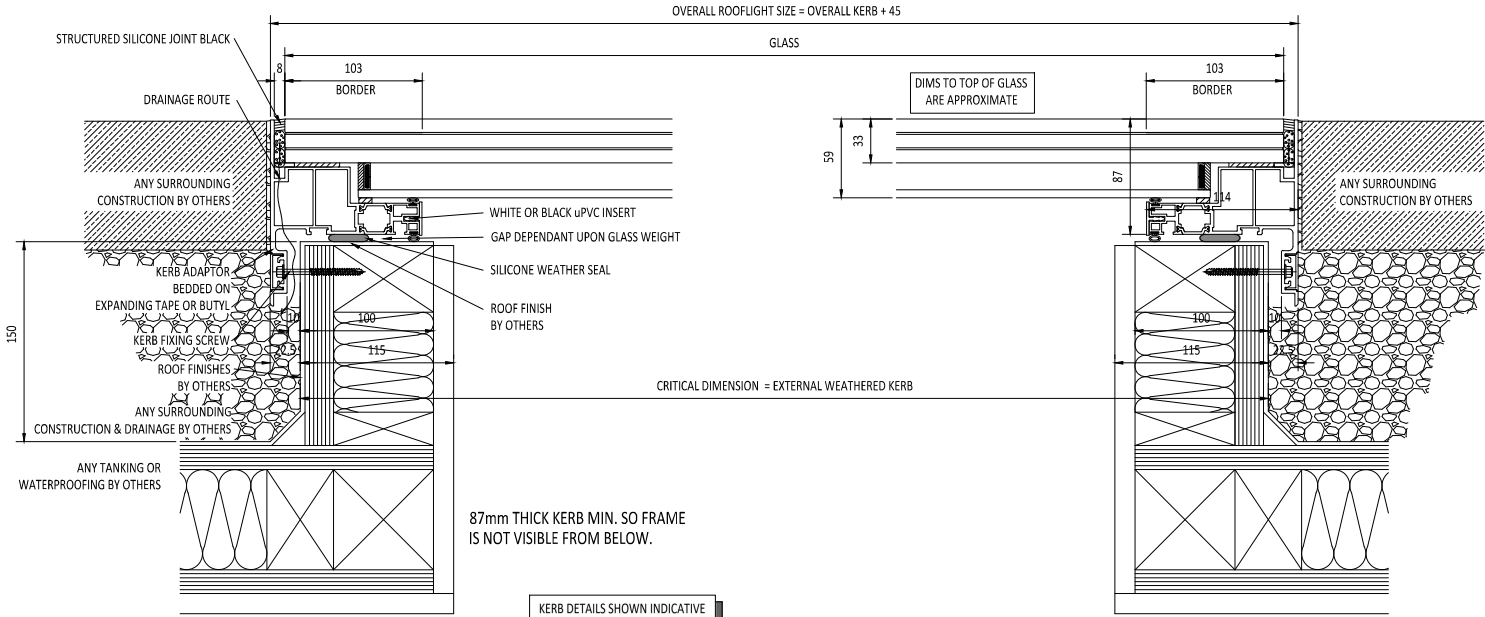
3D EXAMPLE OF KERB



3D RENDER IMAGING OF FRAME



EXPLODED INSTALL GUIDE



SECTION A-A

87mm THICK KERB MIN. SO FRAME IS NOT VISIBLE FROM BELOW.

KERB DETAILS SHOWN INDICATIVE ONLY. DETAILED DESIGN BY OTHERS

SECTION B-B

IF IN DOUBT ASK DO NOT SCALE	IT IS THE RESPONSIBILITY OF THE KERN DESIGNER TO ENSURE THE KERN WILL BE STRUCTURALLY ADEQUATE TO HOLD THE ROOFLIGHT. KERBS SHOWN ON THESE DRAWINGS ARE FOR ILLUSTRATION PURPOSES ONLY.	The manufacturer would advise an installation with a minimum pitch of 5° for rooflight units to minimize water pooling. Whilst the product can be installed flat without detrimnt to the warranty, the manufacturer cannot be held responsible for any excessive pooling of water to the surface of the rooflight, post installation. If installed without an adequate fall, larger units may require a greater fall. The final decision on amount of fall required must be made by the client and relayed to the installer.	THIS DRAWING MUST NOT BE COPIED OR PASSED TO A THIRD PARTY WITHOUT WRITTEN CONSENT FROM THE MANUFACTURER.	CHECKED A. PHILLIPS	TOLERANCE UNLESS OTHERWISE STATED	±5	MATERIAL	ALUMINIUM + GLASS			Roofglaze Rooflights Ltd, 11 Howard Road, Eaton Socon, St Neots, Cambs, PE19 1ET Telephone 01480 474797 Fax 01480 474774.			DRAWING N°: RGR-WO-20-400	REV	
				DATE 16-07-2020	DIMENSIONS IN MM	FINISH STANDARD POLYESTER										
				DRAWN D. PUGH	SCALE 1:2 & 1:4 @ A1	POWDER COAT OPTIONS: RAL 7016 ANTHRACITE GREY, RAL 9005 BLACK, RAL 9010 WHITE, 30% GLOSS										
				DATE 16-07-2020				REV	AMENDMENTS	SKINNED	CHECKED	DATE				
TITLE: <b>FIXED DOUBLE GLAZED 33mm WALK ON FLATGLASS</b>																SIZE A 1

FIXED DOUBLE GLAZED 33mm  
WALK ON FLATGLASS