VELUX fixed glass rooflight CFU

Glazing 20, double-glazed



10 Year Guarantee

0°–15°

Transform your home by bringing the magic of daylight into areas where you never thought possible with the new generation of VELUX glass rooflights. The base unit of the fixed glass rooflight has a unique design with a slim frame and invisible sash providing maximum daylight and a beautiful design from inside the home. This fixed base unit has 2-layer glazing, but is also available with 3-layer glazing, and has excellent energy performance as well as sound reduction capabilities in case of rain, hail or traffic, thus increasing your indoor comfort.

- Minimal visible rooflight frame contributes to glass-to-edge view to the sky and to letting in maximum daylight.
- Slim and invisible sash to give a glass-to-edge view to the sky and to let in maximum daylight.
- Enjoy maximum daylight and a stylish design from inside the home, as blinds or awnings are discretely placed in the rooflight.
- Enjoy a quieter indoor environment and very good thermal insulation from our energy-efficient two-layer insulating glass unit
- The low placement of the insulating glass unit in the construction gives optimal energy performance and an elegant, slim design - especially with blinds and awnings installed.
- Enjoy the peace of mind of our burglary-resistant flat-roof rooflight with laminated security glazing (P4A laminated security glazing on the inner glass).
- Enjoy a quieter indoor environment thanks to the sound-reducing rooflight design.

CE

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Application guidance

Installation in a roof pitch between 0° and 15° with an ISU 1093 curved glass top unit and between 2° and 15° with an ISU 2093 flat glass top unit.



The CFU fixed glass rooflight (base unit) can transform any space into a favourite place and is ideal where there is a need for bringing in maximum natural daylight. Installation in a roof pitch between 0° and 15° with a curved glass top ISU 1093 and between 2° and 15° with a flat glass top ISU 2093

Available sizes and daylight area

Dimensions in the size diagram indicate the roof opening. For electrically operated windows, an additional clearance (typically 1 cm) must be provided on the side designated for cable installation, as specified in the applicable installation guidelines.

	600	800	900	1000	1200	1500
600	CFU 060060 (0.29)		CFU 090060 (0.45)			
800		CFU 080080 (0.54)				CFU 150080 (1.06)
900			CFU 090090 (0.7)		CFU 120090 (0.95)	
1000				CFU 100100 (0.88)		CFU 150100 (1.35)
1200					CFU 120120 (1.3)	

All measurements are in mm. ( ) = Effective daylight area, m^2 [ ] = Geometric free area, m^2

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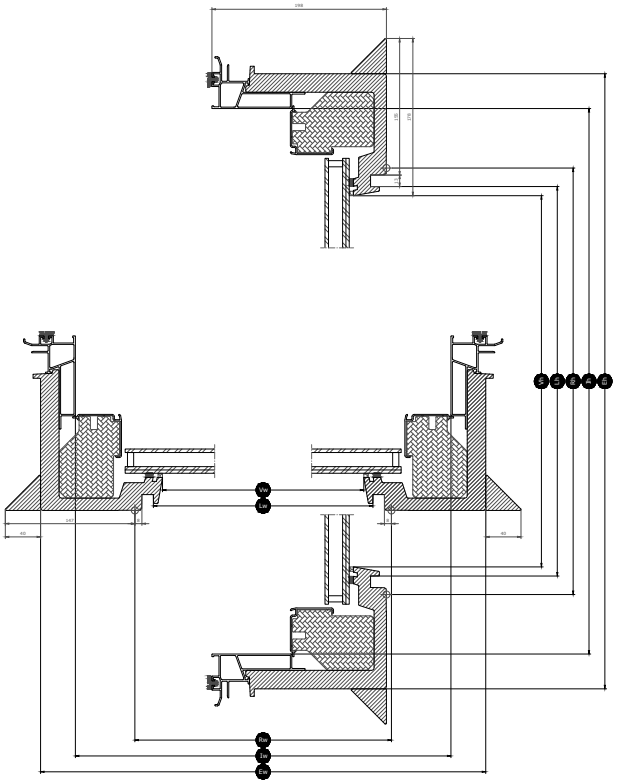
Net Weight

Please note that a complete flat roof window consists of a top unit and a base unit supplied separately. The total weight of the complete solution must therefore be calculated by adding the unit weight of the top unit and the unit weight of the base unit, as specified in their respective data sheets.

	060060	080080	090060	090090	100100	120090	120120	150080	150100
Net Weight (kg)	28.617	40.937	37.086	47.863	55.440	58.679	71.770	83.615	74.615

Cross section dimensions

Please note that the view of the cross section is from bottom to top.



Width		060	080	090	100	120	150
Vw	Visible pane width	538.2	738.2	838.2	938.4	1138.2	1438.2
Lw	Inside groove measure width	559	759	859	959	1159	1459
Rw	Roof opening width	600	800	900	1000	1200	1500
Iw	Inside sash measure width	736	936	1036	1136	1228	1636
Ew	External frame width	815	1015	1115	1215	1415	1715

Height		060	080	090	100	120
Vh	Visible pane height	538.2	738.2	838.2	938.2	1138.2
Lh	Inside groove measure height	559	759	859	959	1159
Rh	Roof opening height	600	800	900	1000	1200
Ih	Inside sash measure height	736	936	1036	1136	1228
Eh	External frame height	815	1015	1115	1215	1415

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Technical values

Overview of technical values for the product, covering among other, CE marking in accordance with EN 1873 or EAD 200062-00-0401.

Window characteristics	CFU 20Q + ISU 1093	CFU 20Q + ISU 2093
Air permeability	4	4
Thermal transmittance Urc,ref300 (CE-marked) (U-value)	0.65	0.75
Arc, ref300 (U-value transmission area)	4.4	4.1
Light transmittance (τ)	0.69	0.68
Sound insulation R_wdB [dB]	39	39
Total solar energy transmittance (g)	0.52	0.52
Ultraviolet transmittance (τuv)	0.05	0.05
Burglar resistance window	RC2	RC2
Frame factor	0.1	0.1
Air permeability	4	4
Reaction to fire	C-s2, d2	C-s2, d2
Bonding of cover glass (glass of top unit) [class]	ΔX≥0.75	ΔX≥0.75
External fire performance - European		
External fire performance - British	NPD	NPD
Impact resistance	3	3
Impact resistance large soft body	N/A	N/A
Impact resistance small hard body	N/A	N/A
Rain noise	44 dB	44 dB
Resistance to downward loads	N/A	N/A
Resistance to fire	NPD	NPD
Resistance to snow load	*	*
Resistance to upward load	N/A	N/A
Resistance to wind load	C3	C3
Water tightness	9A	9A

NPD: No performance determined

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Glazing structure

Glazing unit	Variant composition
Double-glazed	7.5mm laminated float glass - 16mm Argon - 4mm toughened glass with enamel

Blinds and awnings

Complete your VELUX glass rooflight with a blind for complete comfort. Choose between an anti-heat blind to maintain a cool room on hot days or a blackout blind to block outside light for total darkness. The blinds are discreetly placed and do not compromise daylight and design when not in use.
Use VELUX App Control or VELUX ACTIVE with NETATMO for smartphone control of your vented glass rooflight and blinds.

Compatibility

The fixed base unit CFU is compatible with the flat glass top unit ISU 2093 and curved glass top-unit ISU 1093.
Installation accessories: Extension kerb ZCU 0015/1015, securing kit for roofing felt ZZZ 210U and lining LSF 2000.
Compatible with blinds: The solar-powered anti-heat blind MSU and the solar-powered blackout blind DSU.

Further information

We reserve the right to make technical changes.

For more information on our products, please visit https://www.velux.co.uk or https://www.velux.ie.

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