

# VELUX solar glass rooflight CVU

Glazing 20A, double-glazed



Transform your home by bringing the magic of daylight and fresh air into areas where you never thought possible with the new generation of VELUX glass rooflights. The glass rooflight base unit has a unique design with a slim frame and invisible sash providing maximum daylight and a beautiful design from inside the home. This solar base unit is fully powered by the sun and can be installed in any flat roof home without any need for wiring. The solar base unit comes with 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. It delivers fresh air at the touch of a button and has a pre-installed rain sensor that conveniently closes the window automatically in the event of rain, thus providing full peace of mind. It can even be operated via a smart phone, using the VELUX App Control. A both beautiful and convenient solution for your home.

- Minimal visible rooflight frame contributes to glass-to-edge view to the sky and to letting in maximum daylight.
- Enjoy maximum daylight and a stylish design from inside the home, as blinds or awnings are discretely placed in the rooflight.
- Solar-powered for a wire- and hassle-free installation.
- No sun? No problem! The battery will also charge in cloudy weather
- Integrated rain sensor automatically closes the window in the event of rain.
- The motor is hidden from view in the rooflight frame for a sleek appearance and unobstructed view to the sky.
- Enjoy a healthier indoor climate with VELUX ACTIVE with NETATMO automatic indoor climate control compatibility.



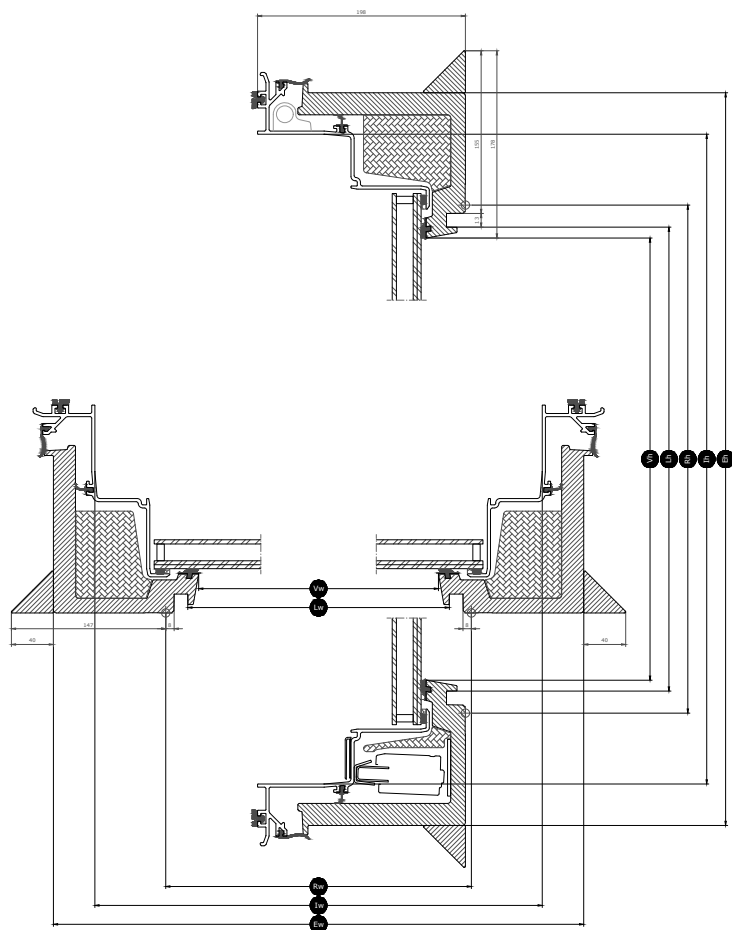
# Available sizes and daylight area

	1500	2000
600		CVU 200060 (1.04)
1000		CVU 200100 (1.82)
1200	CVU 150120 (1.64)	
1500	CVU 150150 (2.07)	

All measurements are in mm. ( ) = Effective daylight area, m² [ ] = Geometric free area, m²  
 \*A=large sizes with glazing variant -A

# Cross section dimensions

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



Width		150	200
Vw	Visible pane width	1438.2	1938.2
Lw	Inside groove measure width	1459	1959
Rw	Roof opening width	1500	2000
Iw	Inside sash measure width	1636	2036
Ew	External frame width	1715	2215

Height		060	100	120	150
Vh	Visible pane height	538.2	938.2	1138.2	1438.2
Lh	Inside groove measure height	559	959	1159	1459
Rh	Roof opening height	600	1000	1200	1500
Ih	Inside sash measure height	736	1136	1228	1636
Eh	External frame height	815	1215	1415	1715

## 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	CVU 20Q + ISU 1093	CVU 20Q + ISU 2093
Air permeability	4	4
Thermal transmittance $U_{rc,ref300}$ (CE-marked) (U-value)	0.65	0.75
Arc, ref300 (U-value transmission area)	4.4	4.1
Light transmittance ( $\tau$ )	0.69	0.68
Sound insulation $R_w$ dB [dB]	39	39
Total solar energy transmittance (g)	0.52	0.52
Ultraviolet transmittance ( $\tau_{uv}$ )	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]	$\Delta X \geq 0.75$	$\Delta X \geq 0.75$
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

## Glazing structure

Glazing unit	Variant composition
Double-glazed	9.5 mm laminated float glass - 15 mm Argon - 8 mm 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. You also have the option of adding an insect screen that lets you enjoy fresh air without any insects.

Use VELUX App Control or VELUX ACTIVE with NETATMO for smartphone control of your vented glass rooflight and blinds.

## Compatibility

---

The solar-powered vented base unit CVU 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, the solar-powered blackout blind DSU and the manual insect screen ZIU.

## 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>.