

# VELUX flat glass ISU 2093

**VELUX®**



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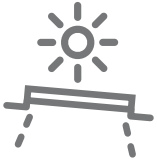
The VELUX flat glass rooflight top unit has an elegant glass-to-edge flat shape with straight lines that almost becomes one with the roof. The outer glass is toughened making this a highly durable top unit that has increased resistance to wind, snow and hail. The flat glass top unit can be installed in roof pitches from 2°- 15° and is compatible with all glass rooflight base units (CFU/CVU).

- Sleek modern edge-to-edge flat glass design blends seamlessly with the lines of your roof.
- Suitable for the majority of flat roofs down to 2° roof pitch and offers natural drainage at 5°.
- The outer glass of the top unit is strength-tested in tough weather conditions.
- Toughened outer glass is attached with high-strength weather-proof sealant.
- Discretely placed blackout or awning blind lets you enjoy maximum daylight influx and a stylish interior design at all times.
- Easy and safe transportation of the top unit from ground to roof; no need for manual lifting.
- Special threaded installation screws for fast installation of the top unit.



## Application guidance operation method

The flat glass top unit ISU 2093 can be installed with all new generation base units within the roof pitch range of 2-15 degrees.



Combine the flat glass top unit with a base unit that meets your need for daylight and ventilation. Choose the electrically vented base unit for glass rooflight CVU for fresh air at the touch of a button or the fixed base unit for glass rooflight CFU if your primary need is to bring daylight into the room.

## Available sizes and daylight area

	610	810	910	1010	1210	1510	2010
610	ISU 060060 (0.29)		ISU 090060 (0.45)				
810		ISU 080080 (0.54)					
910			ISU 090090 (0.70)		ISU 120090 (0.95)		
1010				ISU 100100 (0.88)		ISU 150100 (1.35)	ISU 200100 (1.82)
1210					ISU 120120 (1.3)		
1510						ISU 150150 (2.07)	

All measurements are in mm. ( ) = Effective daylight area, m<sup>2</sup>

## Technical values

	Air permeability	Thermal transmittance $U_{rc,ref300}$ (CE-marked) (U-value) W/m <sup>2</sup> /K Arc, ref300 m <sup>2</sup>	Light transmittance ( $\tau$ )	Sound insulation $R_w$ dB	Total solar energy transmittance (g)	Ultraviolet transmittance ( $\tau_{uv}$ )
<b>CFU fixed base unit 20Q</b>	4	0.75 W/(m <sup>2</sup> K) W/m <sup>2</sup> /K 4.1 m <sup>2</sup> m <sup>2</sup>	0.68	39(-1;-5)	0.52	0.05
<b>CFU fixed base unit 25Q</b>	4	0.60 W/(m <sup>2</sup> K) W/m <sup>2</sup> /K 4.1 m <sup>2</sup> m <sup>2</sup>	0.63	41(-1;-5)	0.49	0.05
<b>CVU electric base unit 20Q</b>	4	0.75 W/(m <sup>2</sup> K) W/m <sup>2</sup> /K 4.1 m <sup>2</sup> m <sup>2</sup>	0.68	39(-1;-5)	0.52	0.05
<b>CVU electric base unit 20U</b>	4	0.75 W/(m <sup>2</sup> K) W/m <sup>2</sup> /K 4.1 m <sup>2</sup> m <sup>2</sup>	0.68	39(-1;-5)	0.52	0.05
<b>CVU electric base unit 25Q</b>	4	0.65 W/(m <sup>2</sup> K) W/m <sup>2</sup> /K 4.1 m <sup>2</sup> m <sup>2</sup>	0.63	41(-1;-5)	0.49	0.05
<b>CVU electric base unit 25U</b>	4	0.65 W/(m <sup>2</sup> K) W/m <sup>2</sup> /K 4.1 m <sup>2</sup> m <sup>2</sup>	0.63	41(-1;-5)	0.49	0.05

## Cleaning and maintenance

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Cleaning of the top unit is only possible from the outside. When cleaning the top unit on vented glass rooflights, switch off the mains supply, ie do not open the rooflight!  
To clean the inner surface of the top unit and the outer glass surface of the base unit, remove cover caps and screws to remove the top unit and fasten them again after cleaning.

## Guarantee period

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The full terms and conditions of the VELUX Product Guarantee are available on our website [www.velux.co.uk](http://www.velux.co.uk)

## Blinds and awnings

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Complete your VELUX glass rooflight with a blind for complete comfort. Choose from a range of blinds, including a light-dimming blind for softening the light, an anti-heat blind for heat protection and a blackout blind for a full blackout effect. Please note that not all blinds are compatible with all top unit and base unit combinations. Use VELUX App Control or VELUX ACTIVE with NETATMO for smartphone control of your vented glass rooflight and blinds.

## Further information

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We reserve the right to make technical changes.

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