VELUX vertical roof terrace section VEC

Glazing 65G



10 Year Guarantee

35°–53°

Create an awe-inspiring roof terrace in places that you never thought possible with roof terrace windows. VELUX roof terrace windows provide access to the outdoors when opened and lots of daylight when closed. The combination of top-hung roof windows and a fixed or openable vertical bottom section provides seamless integration with your roof and outdoor terrace.

- Create a seamless look to your balcony by adding a fixed lower section.
- A seamless look is made possible by the slim connection to the roof window.
- Comes with a choice of white-painted surface to match most contemporary interiors or clear-lacquered surface for a natural wood atmosphere.

CE

PEFC
PEFC/09-31-020

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Application guidance

The vertical lower section is installed vertically only. The upper section can be installed within roof pitches between 35° and 53º.



The roof terrace offers direct access to the outside. The upper section is a GEL bottom-operated, top-hung window that opens outwards for an unobstructed, panoramic view. When the upper section is open, the lower section can be opened to create a doorway to the terrace. The side-hung lower section is opened/closed with a handle on the side sash. Lower section VEA vertical window element opens to the right, VEB vertical window element opens to the left. and VEC vertical window element is fixed. When installed in combination, lower section VEA can be placed to the far right only and lower section VEB to the far left only (seen from the inside). All other lower sections must be VEC.
A roof terrace can contain one opening vertical window element only.

Available sizes and daylight area

	780 mm
1093 mm	VEC M35 (0.56) []

All measurements are in mm. ( ) = Effective daylight area, m² [ ] = Geometric free area, m²

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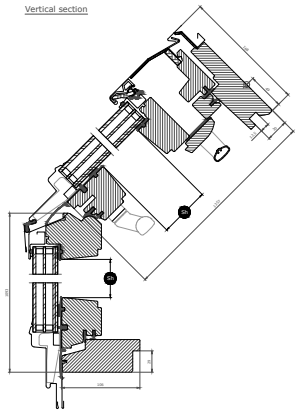
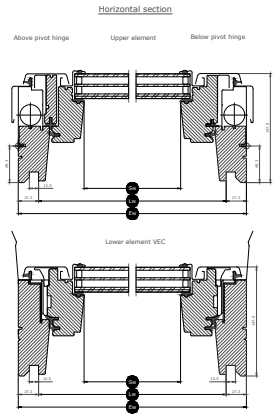
Cross section dimensions

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





Width		M--
Sw	Sash aperture width	603
Lw	Distance between lining grooves, width	726
Ew	External frame width	780

Height		--35
Sh	Sash aperture height	930
Lh	Distance between lining grooves, height	N/A
Eh	External frame height	1093

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Glazing features

Glazing 65G		
	Heat insulation The low energy glazing unit reduces heat loss through the window and enhanced indoor comfort.	U_g = 0.5
	Solar gain In colder climates and in rooms with large window areas, solar gain provides a better indoor climate during winter periods.	0.44
	Solar protection In warm climates and in rooms with large window areas, a sun protective glazing unit provides a better indoor climate during summer periods.	★★★☆
	Security Thicker laminated inner glass increases resistance to manual attack (burglary).	★★☆☆
	Safety lamination Prevents glass from falling into the room in case of accidental breakage.	✓
	Toughened glass Adds strength to the outer glass surface to protect from wayward balls and extreme weather such as heavy storms and hail.	✓
	UV filter Protects your interior furnishings from fading due to the sun's harmful UV rays.	✓
	Rain noise reduction Rain noise reduction creates a barrier between the window and the weather outside for undisturbed moments during rainy days – or nights.	✓
	Easy-to-clean Dirt-repellent coating lets you spend less time cleaning and more time enjoying the view.	✓
	Anti-dew The anti-dew coating significantly reduces the days with dew on the outer glass and thus gives you a clear view.	✓

Glazing structure

Glazing unit	Variant composition
Triple-glazed	6.8 mm laminated float glass - 11 mm Krypton - 3 mm heat strengthened glass - 11 mm Krypton - 4 mm toughened glass

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Technical values for the window

Overview of technical values for the product, covering among other, CE marking in accordance with EN 14351-1.

Window characteristics	Performance
Thermal transmittance	1.0 W/(m²K)
Light transmittance	0.62
Total solar energy transmittance	0.44
Sound insulation	35(-1;-4)
Air permeability	3
External fire performance - British	npd
External fire performance - European	npd
Impact resistance	2
Load-bearing capacity of safety devices	✓
Reaction to fire	C-s1,d2
Resistance to snow load	See glazing composition
Resistance to wind load	C3 (>SK08: npd)
Water tightness	9A

NPD: No performance determined

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Visible features



Blind bracket, vertical windows
Easily install blinds on the window without the need for extra tools. Simply click on the blind in the pre-fitted brackets.



Gasket
Forming the air and sound seal between the frame and sash.



Gaskets
The gaskets provide a tight seal between the insulating glass unit and the sash.

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Interior finish

Material Description	Clear lacquer Finished with triple coat, clear lacquered.	White-painted Finished with triple coat, white painted.
Colour code NCS, inner surface	No colour code	S 0500-N
Colour code nearest RAL, inner surface	No colour code	9003

Exterior covers

The availability of the variants listed below may change. For the most accurate and up to date information, please refer to the current product catalogue or price list.

Material Description	Aluminium, dark grey Dark grey	Titanium zinc	Untreated copper
Colour code NCS, outer surface	S 7500-N	No colour code	
Colour code nearest RAL, outer surface	7043	No colour code	

Cleaning and maintenance



The exterior of frame and sash can be cleaned with ordinary household cleaners. The outer glass surface can easily be cleaned from the roof terrace or through the upper section.



VELUX repair and maintenance kits are available.

Guarantee period

10 Year Guarantee

The full terms and conditions of the VELUX Product Guarantee are available on our website www.velux.co.uk or www.velux.ie

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Flashings and installation products



Flashings
Install the VELUX roof window in virtually any roofing material by using genuine VELUX flashing solutions. Our flashings are designed specifically for the exact size and shape of the roof windows to create perfect, watertight fit. Flashings can also be used to combine multiple roof windows.

Installation products
Ensure a proper installation and an air- and watertight connection between the window and roof with VELUX installation products. All installation products are designed to perfectly fit the roof window for a reliable and durable result.

Blinds, awnings and shutters

Complete the VELUX roof window installation with roller shutters and awning blinds for heat protection and interior blinds for light dimming, blackout and insect protection. Choose from a wide range of manually operated or remote-controlled products that are made to fit the particular window type and size. Please contact your local VELUX sales company for more details about compatibility.

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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