VELUX bottom-hung vertical window element VFE





Extend your views with an openable, vertical window element, which is operated with a handle on the top sash. The window element fills the vertical space between the floor and the bottom of the roof window to provide more expansive views with more natural daylight and fresh air. Available in lacquered or white-painted pine wood to perfectly match your other VELUX roof windows.

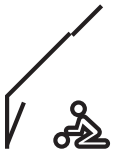
- Experience more daylight, extended views and more fresh air by adding an openable vertical window element.
- Enjoy the flow of fresh air by tilting the vertical window element inwards.
- Inwards tilting sash to maximum 115 mm opening provides safety and peace of mind.
- It's possible to clean the outside of the window element by tilting it inwards up to 115 mm.
- A seamless look is made possible by the slim connection to the roof window.

CE

Creation date 27-10-2026 18:06:23 VRW Roof windows en-WW - Approved

Application guidance

The vertical window element is always fixed to the bottom frame of a sloped roof window. The installation angle of the sloped window when combined with a vertical element is limited to 15-55°. The installation angle within this range is determined by the sloped roof window type and the flashing type with which it is installed.



The vertical window element VFE is installed vertically directly below a VELUX roof window. As it stretches nearly to the floor, it provides more daylight and an enhanced view when standing and when seated. The vertical window element VFE opens/tilts inwards and can be secured in ventilation position.

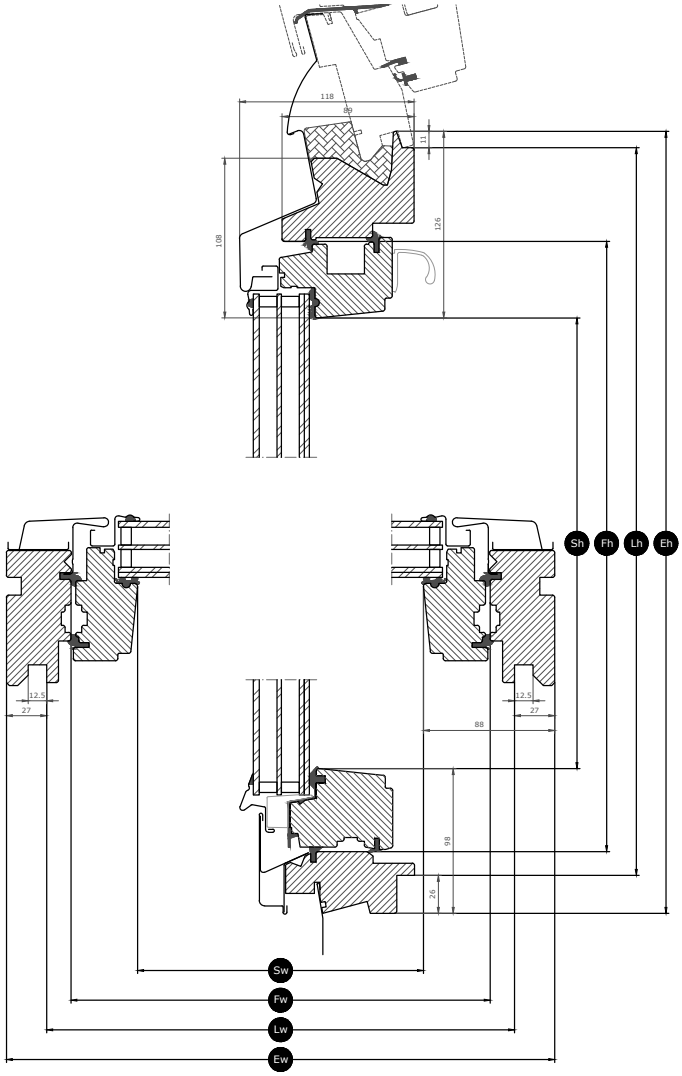
Available sizes and daylight area

The size overview shows the availability across the different glazing variants. Please note that the individual glazing variant may not be available in all the sizes shown.

	780	942	1140	1340
601	VFE MK31 (0.23) [0.07]	VFE PK31 (0.29) [0.09]	VFE SK31 (0.36) [0.12]	VFE UK31 (0.44) [0.14]
955	VFE MK35 (0.44) [0.07]	VFE PK35 (0.56) [0.09]	VFE SK35 (0.70) [0.12]	VFE UK35 (0.85) [0.14]
1155	VFE MK36 (0.56) [0.07]	VFE PK36 (0.71) [0.09]	VFE SK36 (0.89) [0.12]	VFE UK36 (1.08) [0.14]
1375	VFE MK38 (0.69) [0.07]	VFE PK38 (0.87) [0.09]	VFE SK38 (1.10) [0.12]	VFE UK38 (1.33) [0.14]

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

Cross section dimensions



Width		MK--	PK--	SK--	UK--
Sw	Sash aperture width	601	763	961	1161
Lw	Distance between lining grooves, width	725	887	1085	1285
Ew	Exterior frame width	780	942	1140	1340

Height		--31 (VFE)	--35 (VFE)	--36 (VFE)	--38 (VFE)
Sh	Sash aperture height	377	731	931	1151
Lh	Distance between lining grooves, height	564	918	1118	1338
Eh	Exterior frame height	601	955	1155	1375

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Glazing features

	Glazing 66SG	Glazing 68	Glazing 70	Glazing 57	Glazing 62SG
Solar protection	★★★☆	★★★☆	★★★☆	★★★★	★★★☆
Security	★★☆☆	★★☆☆	★★☆☆	★★☆☆	★★☆☆
Safety lamination	✓	✓	✓	✓	✓
Toughened glass	✓	✓	✓	✓	✓
UV filter	✓	✓	✓	✓	✓
Rain noise reduction	✓	✓	✓	✓	✓
Easy-to-clean	✓			✓	
Anti-dew	✓				✓

Glazing structure

Glazing variant	Glazing unit	Composition (from inside to outside)
Glazing 66SG	Triple-glazed	6.8 mm laminated float glass - 13 mm Argon - 3 mm heat strengthened glass - 13 mm Argon - 4 mm toughened glass
Glazing 68	Triple-glazed	6.8 mm laminated float glass - 13 mm Argon - 3 mm heat strengthened glass - 13 mm Argon - 4 mm toughened glass
Glazing 70	Double-glazed	6.8 mm laminated float glass - 16 mm Argon - 4 mm toughened glass
Glazing 57	Double-glazed	6.8 mm laminated float glass - 16 mm Argon - 6 mm toughened glass
Glazing 62SG	Triple-glazed	6.8 mm laminated float glass - 11 mm Krypton - 3 mm heat strengthened glass - 11 mm Krypton - 8 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.

	Glazing 66SG	Glazing 68	Glazing 70	Glazing 57	Glazing 62SG
Window characteristics	**Performance**				
Thermal transmittance (U-value)	1.0 W/(m²K)	1.1 W/(m²K)	1.3 W/(m²K)	1.3 W/(m²K)	1.0 W/(m²K)
Light transmittance (τ,v)	0.62	0.68	0.68	0.60	0.68
Total solar energy transmittance (g-value)	0.44	0.49	0.46	0.30	0.47
Sound insulation (Rw)	37(-2;-4)	35(-1;-3)	35(-1;-3)	37(-1;-3)	42(-2;-5)
Air permeability, [class]	3	3	3	3	3
External fire performance - British [class]	AA	AA	AA	AA	AA
External fire performance - European [class]	npd	npd	npd	npd	npd
Impact resistance [class]	3	3	3	3	3
Load-bearing capacity of safety devices	npd	npd	npd	npd	npd
Reaction to fire [class]	C-s1,d2	C-s1,d2	C-s1,d2	C-s1,d2	C-s1,d2
Resistance to snow load	**	**	**	**	**
Resistance to wind load [class]	C3 (>SK08: NPD)	C3 (>SK08: NPD)	C3 (>SK08: NPD)	C3 (>SK08: NPD)	C3 (>SK08: NPD)
Water tightness [class]	9A	9A	9A	9A	9A

Resistance to snow load = ** See glazing composition

NPD: No Performance Determined

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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



To clean the outer glass surface of the vertical element from the inside, open and tilt the window inwards. For cleaning, the sash can be opened approx 45°. Special tool supplied with the window.



VELUX repair and maintenance kits are available.

Guarantee period

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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://velux.com.

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