VELUX conservation roof window GGL

Glazing 70H



10 Year Guarantee

15°–90°

Conservation roof windows are the perfect choice when renovating conservation buildings. Top-operated conservation roof windows are easily opened and closed – even with furniture placed underneath. The window's black exterior profiles and glazing bar blend seamlessly into the roof and match the original look of your building.

- Perfect when a glazing bar is required for conservation buildings.
- Open the top control bar to the ventilation position for fresh air through a closed window.
- Easily rotate the window 180° for safe cleaning of the outer glass from the inside.
- Easily open and close the roof window – even with furniture placed underneath.
- Removable and cleanable ventilation filter protects your home from dust and insects while ventilating.
- Quickly and easily add blinds by simply clicking them into the pre-fitted brackets.
- Upgrade to a remote-controlled mains- or solar-powered motor for extra convenience.

CE

PEFC PEFC/09-31-020

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Application guidance

The window can be installed in roof pitches between 15° and 90° to the horizontal.



Manually top-operated, centre-pivot roof windows make it possible to place furniture directly below the window without obstructing the window's operation. We recommend an installation height that allows for a clear sight line to the outside from both a standing and seated position. Please note that the optimum window height depends on the roof pitch.

Available sizes and daylight area

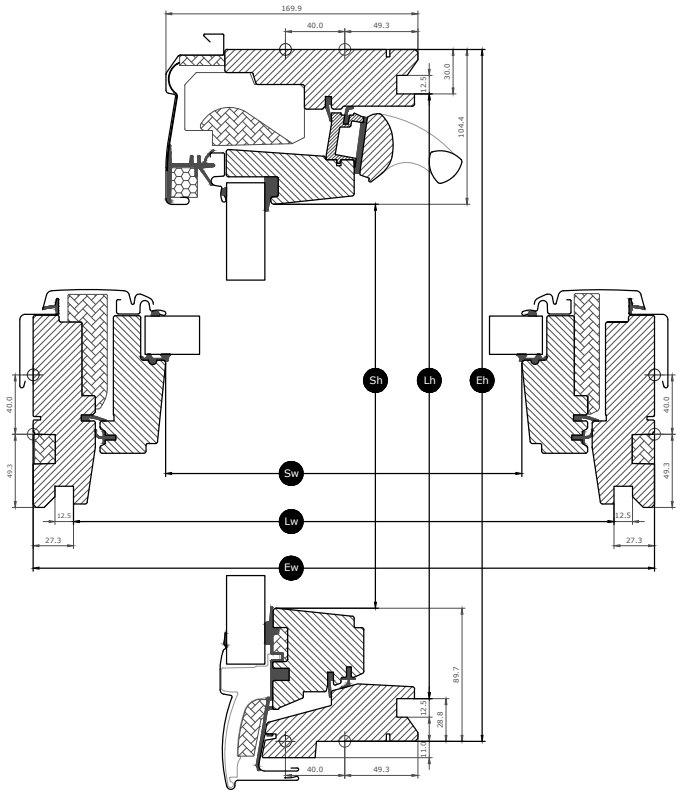
	550 mm	660 mm	780 mm	1340 mm
978 mm	GGL CK04 (0.29) [0.34]			GGL UK04 (0.91) [0.98]
1178	GGL CK06 (0.37) [0.43]	GGL FK06 (0.47) [0.54]	GGL MK06 (0.59) [0.66]	
1398			GGL MK08 (0.72) [0.81]	

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

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Cross section dimensions

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



Generic GGL Drawing

Width		CK--	FK--	MK--	UK--
Sw	Sash aperture width	371	481	601	1161
Lw	Distance between lining grooves, width	495	605	725	1285
Ew	External frame width	550	660	780	1340

Height		--04	--06	--08
Sh	Sash aperture height	784	984	1204
Lh	Distance between lining grooves, height	919	1119	1339
Eh	External frame height	978	1178	1398

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Glazing features

Glazing 70H		
	Heat insulation The low energy glazing unit reduces heat loss through the window and enhanced indoor comfort.	U_g = 1.0
	Solar gain In colder climates and in rooms with large window areas, solar gain provides a better indoor climate during winter periods.	0.46
	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
Double-glazed	6.8 mm laminated float glass - 16 mm Argon - 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	1.3 W/(m²K)
Light transmittance	0.68
Total solar energy transmittance	0.46
Sound insulation	35(-1;-3)
Air permeability	4
External fire performance - British	AC
External fire performance - European	npd
Impact resistance	3
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	E900

NPD: No performance determined

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Visible features



Control bar
The ergonomic aluminum control bar allows effortless opening and closing of the window. It can also lock the ventilation flap in the ventilation position.



Glazing bar
The vertical glazing bar delivers a classic, traditional look to the conservation window.



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



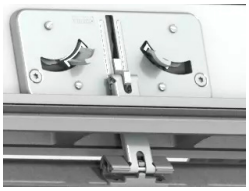
Frame hinge, centre-pivot, side
Durable hinge design allows for reliable operation and enables the sash to be rotated for easy cleaning of the outer glass.



Interior insulation, frame top sides
Innovative ThermoTechnology™ insulation is integrated into the top frame sides of the window to increase energy-efficiency.



Barrel bolt
The barrel bolt can be placed into the integrated barrel bolt bushing to secure the window for cleaning of outer glass surface or for safe ventilation.



Headlock
When closed, the window is locked firmly into place by the headlock.



Data plate
Every VELUX roof window has a unique data plate with information that can be used to look up CE marking documentation, when purchasing accessories or in case of service or replacement.

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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, black Black
Colour code NCS, outer surface	S 9000-N
Colour code nearest RAL, outer surface	9005

Cleaning and maintenance



To clean the outer glass surface from the inside, rotate sash manually and secure in cleaning position with barrel bolts.



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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