VELUX roof window GZL 1051

Glazing 51





The VELUX top-operated, centre-pivot roof window GZL 1051 delivers the great essential functionalities of the VELUX brand, is easy to operate and gives you the freedom to place furniture underneath. The top control bar allows you to install the window at a lower position to get an excellent view even when seated.

- Refresh your home by slightly opening the window and fixing it in the top bushing.
- Value for money from a two-layer glazing with a Uw of 1.3 W/m2 K.
- 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.
- Maintenance-free exterior covers increase peace of mind throughout the lifetime of the roof window.
- Removable and cleanable ventilation filter protects your home from dust and insects while ventilating.
- Upgrade to a remote-controlled mains- or solar-powered motor for extra convenience.

CE

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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 operation. We recommend an installation height that allows for a clear view 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

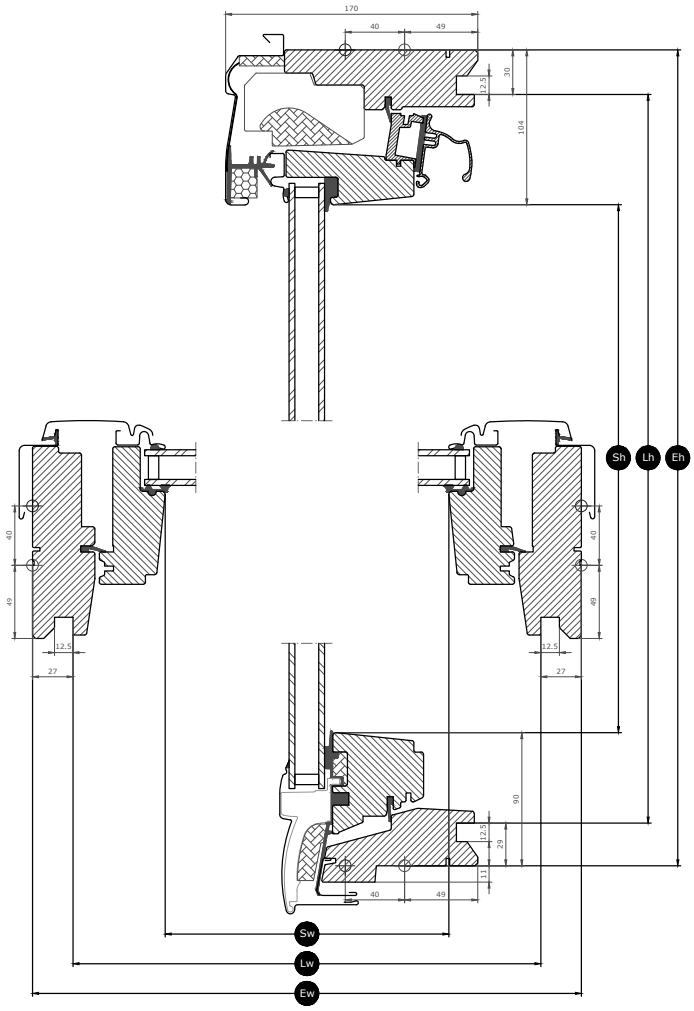
	660 mm	780 mm
978 mm		GZL MK04 (0.47) [0.53]
1178	GZL FK06 (0.47) [0.54]	

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



Width		FK--	MK--
Sw	Sash aperture width	481	601
Lw	Distance between lining grooves, width	605	725
Ew	Exterior frame width	660	780

Height		--04	--06
Sh	Sash aperture height	784	984
Lh	Distance between lining grooves, height	919	1119
Eh	Exterior frame height	978	1178

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Glazing features

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	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 external glazing increases resistance to attempts to break glass (burglary).	**N/A**
	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 and flooring 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	Composition (from inside to outside)
Double-glazed	4 mm 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 (U-value)	1.3 W/(m²K)
Light transmittance (τ,v)	0.69
Total solar energy transmittance (g-value)	0.46
Sound insulation (Rw)	31(-2;-5)
Air permeability, [class]	3
External fire performance - British [class]	npd
External fire performance - European [class]	npd
Impact resistance [class]	3
Load-bearing capacity of safety devices	✓
Reaction to fire [class]	C-s1,d0
Resistance to snow load	See glazing composition
Resistance to wind load [class]	C3 (>SK08: NPD)
Water tightness [class]	E900

NPD: No Performance Determined

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Visible features



Control bar aluminium
The aluminium control bar can be used to easily open the window. It can also lock the ventilation flap in the ventilation position.



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.

Interior finish

Material Description	Clear lacquer Finished with double coat.
Colour code NCS, inner surface	No colour code
Colour code nearest RAL, inner surface	No colour code

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
Colour code NCS, outer surface	S 7500-N
Colour code nearest RAL, outer surface	7043

Cleaning and maintenance



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



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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