VELUX roof window GZL 1051B

Glazing 51

The VELUX bottom-operated, centre-pivot roof window GZL 1051B offers the great essential functionalities of the VELUX brand. Bottom operation makes it easy to operate the window when installed in a higher position, for example due to a high knee wall.

- Value for money from a two-layer glazing with a Uw of 1.3 W/m2 K.
- Refresh your home by slightly opening the window and fixing it in the top bushing.
- Easily rotate the window 180° for safe cleaning of the outer glass from the inside.
- Adjust the bottom handle position to ventilate your home without opening the window.
- 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.
- Quickly and easily add blinds by simply clicking them into the pre-fitted brackets

CE

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Application guidance

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

Manual bottom-operated, centre-pivot roof windows are our recommended solution when the bottom of the window is between 130-150 cm over the floor because of a high knee wall. Try to ensure a minimum top level of the window of 200 cm to allow for a clear view to the outside. Please note that the optimum window height depends on the roof pitch.

Available sizes and daylight area

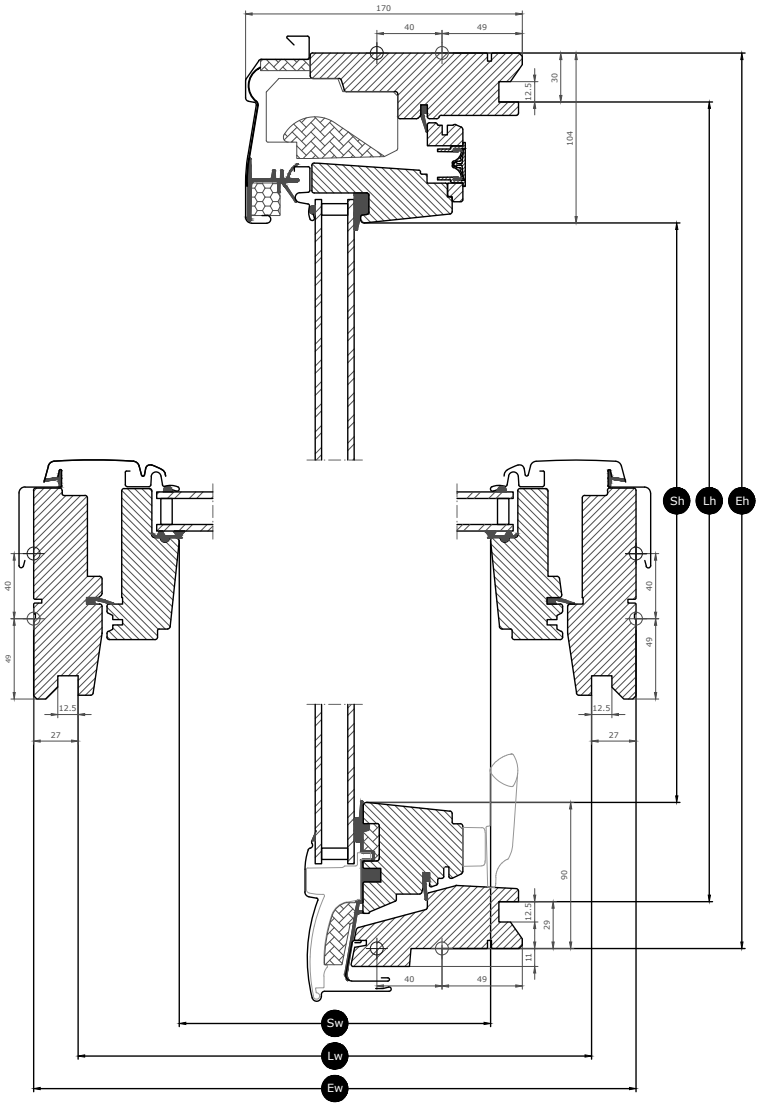
	660 mm	780 mm	942 mm
978 mm		GZL MK04 (0.47) [0.53]	
1178	GZL FK06 (0.47) [0.54]	GZL MK06 (0.59) [0.66]	GZL PK06 (0.75) [0.83]
1398		GZL MK08 (0.72) [0.81]	GZL PK08 (0.92) [1.01]
1600		GZL MK10 (0.85) [0.94]	

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

Creation date 16-06-2026 17:36:28

Cross section dimensions

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



Width		FK--	MK--	PK--
Sw	Sash aperture width	481	601	763
Lw	Distance between lining grooves, width	605	725	887
Ew	Exterior frame width	660	780	942

Height		--04	--06	--08	--10
Sh	Sash aperture height	784	984	1204	1406
Lh	Distance between lining grooves, height	919	1119	1339	1541
Eh	Exterior frame height	978	1178	1398	1600

Creation date 16-06-2026 17:36:28

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 laminated inner glass increases resistance to manual attack (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

Creation date 16-06-2026 17:36:28

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]	9A

NPD: No Performance Determined

Creation date 16-06-2026 17:36:28

Visible features

Operating handle, centre-pivot, bottom
Easy to operate handle allows for effortless opening and closing of the window, and can be locked into 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.

Ventilation slot
2-level ventilation system for ventilation with a closed window. The ventilation volume is adjusted by one or two clicks.

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.

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

Creation date 16-06-2026 17:36:28

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.

Creation date 16-06-2026 17:36:28