

# VELUX roof window GBL for low-pitched roofs

**VELUX®**

Glazing 15



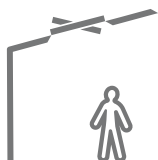
VELUX roof window GBL is ideal for roofs with a roof pitch between 10° and 20°. It is totally water-resistant and offers a precisely crafted glass-to-edge technology providing a seamless and stunning fit.

- Ideal for low-pitched roofs, this roof window is precisely crafted with glass-to-edge technology and is totally water resistant, even down to 10°.
- The glazing comes standard with premium features like safety lamination, toughened glass, UV filter and our unique rain noise reduction.
- Open the top control bar to the ventilation position for fresh air through a closed window.
- Upgrade to a remote-controlled solar-powered motor for extra convenience.
- 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.
- Removable and cleanable ventilation filter protects your home from dust and insects while ventilating.



## Application guidance

The window can be installed in roof pitches between 10° and 20° to the horizontal.



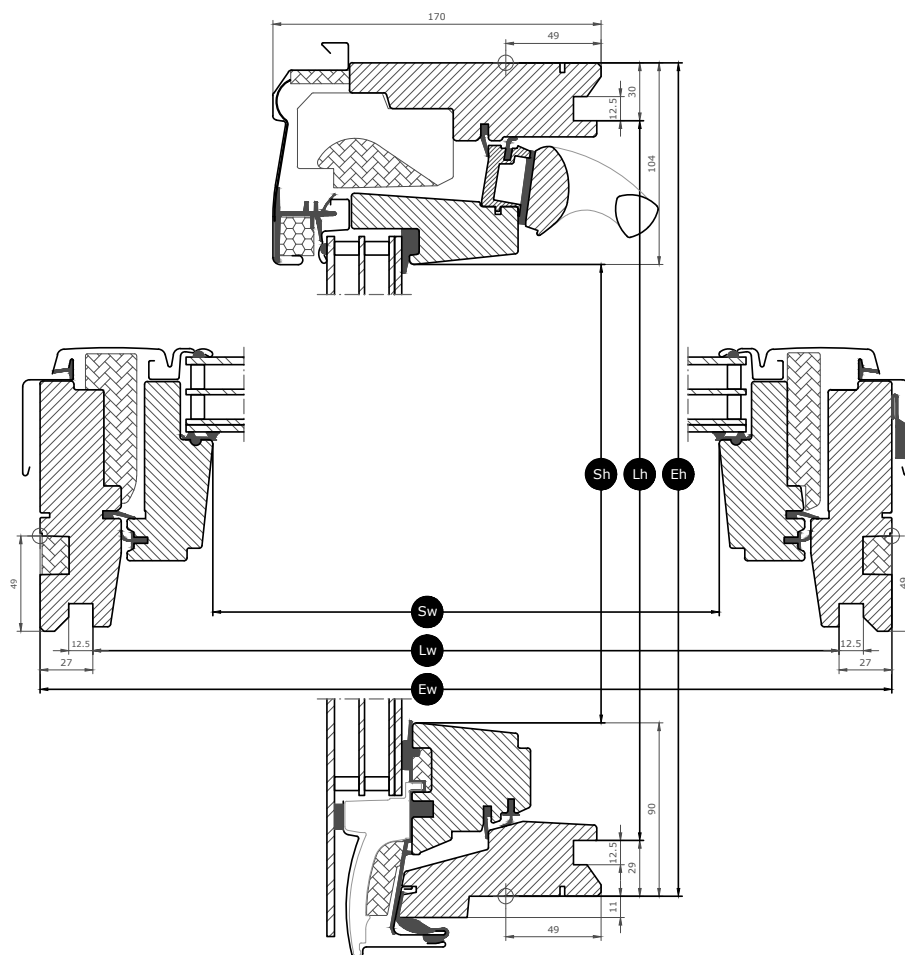
This manually top-operated, centre-pivot roof window is precisely crafted with glass-to-edge technology and totally water resistant, even down to 10 degrees. For out-of-reach situations, this roof window can be upgraded to solar powered operation via VELUX INTEGRA® conversion kit (KSX).

## Available sizes and daylight area

	550	780	942	1140
698				GBL SK01 (0.48)
978	GBL CK04 (0.29)	GBL MK04 (0.47)	GBL PK04 (0.60)	
1178		GBL MK06 (0.59)		GBL SK06 (0.95)
1398		GBL MK08 (0.72)		

All measurements are in mm. ( ) = Effective daylight area, m<sup>2</sup>








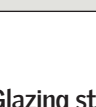
## Cross section dimensions



Width		CK--	MK--	PK--	SK--
Sw	Sash aperture width	371	601	763	961
Lw	Distance between lining grooves, width	495	725	887	1085
Ew	Exterior frame width	550	780	942	1140

Height		--01	--04	--06	--08
Sh	Sash aperture height	504	784	984	1204
Lh	Distance between lining grooves, height	639	919	1119	1339
Eh	Exterior frame height	698	978	1178	1398

## Glazing features

Glazing 15		
	<b>Heat insulation</b> The low energy glazing unit reduces heat loss through the window and enhanced indoor comfort.	$U_g = 0.7$
	<b>Solar gain</b> In colder climates and in rooms with large window areas, solar gain provides a better indoor climate during winter periods.	$g = 0.50$
	<b>Solar protection</b> In warm climates and in rooms with large window areas, a sun protective glazing unit provides a better indoor climate during summer periods.	★★★★☆
	<b>Sound insulation</b> A combination of laminated glass and extra thick glass provides better sound insulation against noise from outside (traffic, playgrounds, etc).	$R_w \text{ dB} = 35(-1;-3)$
	<b>Security</b> Thicker laminated inner glass increases resistance to manual attack (burglary).	★★★★☆
	<b>Safety lamination</b> Prevents glass from falling into the room in case of accidental breakage.	✓
	<b>Toughened glass</b> Adds strength to the outer pane to protect from wayward balls and extreme weather such as heavy storms and hail.	✓
	<b>UV filter</b> Protects your interior furnishings from fading due to the sun's harmful UV rays.	✓

## Glazing structure

Glazing unit	Composition (from inside to outside)
Triple-glazed	6.8 mm laminated float glass - 13 mm Argon - 3 mm heat strengthened glass - 13 mm Argon - 4 mm toughened glass with enamel

## Technical values for the window

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Overview of technical values for the product, covering CE marking in accordance with EN 14531 and other EN standards.

Window characteristics	Performance
Thermal transmittance (U-value)	1.1 W/(m <sup>2</sup> K)
Light transmittance (τ <sub>v</sub> )	0.68
Total solar energy transmittance (g-value)	0.50
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	4 mm toughened glass with enamel - 13 mm Argon - 3 mm heat strengthened glass - 13 mm Argon - 6.8 mm laminated float glass
Resistance to wind load	C3 (>SK06: NPD)
Water tightness	E900

NPD: No Performance Determined

## Visible features

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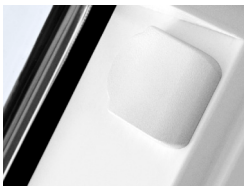
### Glass-to-edge technology

Ideal for low pitch roofs of 10-20 degrees, this roof window is precisely crafted with glass-to-edge technology for a seamless and stunning fit. The glass-to-edge technology allows water to run off the window easily.



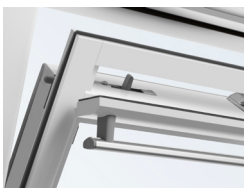
### Control bar

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



### 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 flap, pine wood

The full-width ventilation flap can be used for ventilation even with a closed window. The ventilation flap is connected to the top sash with the lock casing.



### 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 pane.



### Interior insulation, sash

Innovative ThermoTechnology™ insulation is integrated into the sash bottom 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

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Material Description	White-painted Finished with triple coat, white painted.
Colour code NCS, inner surface	S 0500-N
Colour code nearest RAL, inner surface	9003

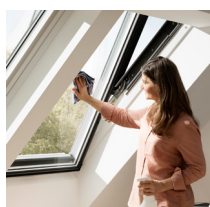
## Exterior covers

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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

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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

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## Flashings and installation products

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### 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

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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

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We reserve the right to make technical changes.

For more information on our products, please visit <https://velux.com>.