

# VELUX rescue opening window GTL

Glazing 50



Enjoy all the comfort of a high-quality VELUX roof window with the added peace of mind of knowing that it can be used as a rescue opening. The top-hung VELUX roof exit rescue window opens outwards to 67° to allow for escape in an emergency situation. Available in lacquered or white-painted pine wood to perfectly match your other VELUX roof windows.

- Opens to 67° to provide escape in case of emergency.
- Use the bottom handle to push open the window to rescue opening.
- Feel safe knowing the lifting device holds the window in place when used as a rescue opening.



## Application guidance

The window can be installed in roof pitches between 15° and 55° (up to 65° with special springs) to the horizontal.



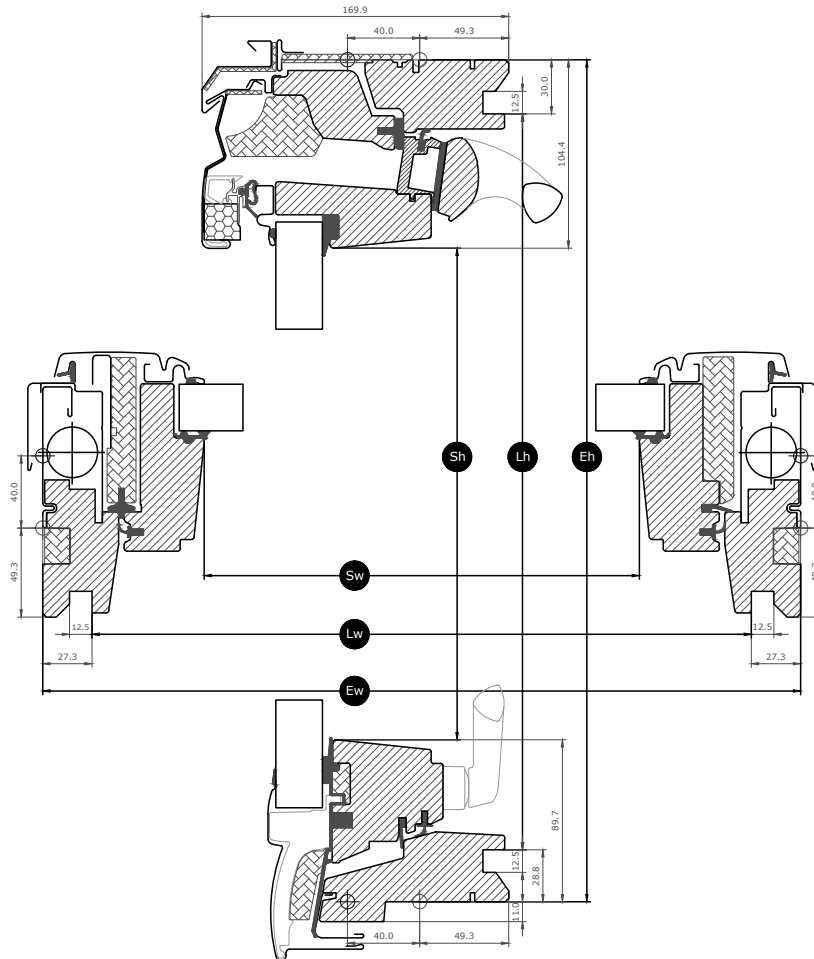
VELUX top-hung rescue roof window opens outwards up to an angle of 45°. In an emergency situation, the sash can be opened to an angle of 67° by pushing it further up. The entire window opening now provides a quick and easy exit/entrance. The roof window is operated at the bottom with a handle on the bottom sash. To get the full benefit of the top-hung function, 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

	780	1140
1398	GTL MK08 (0.72)	GTL SK08 (1.14)

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







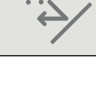
# Cross section dimensions



Width		MK--	SK--
Sw	Sash aperture width	601	961
Lw	Distance between lining grooves, width	725	1085
Ew	Exterior frame width	780	1140

Height		--08
Sh	Sash aperture height	1204
Lh	Distance between lining grooves, height	1339
Eh	Exterior frame height	1398

## Glazing features

Glazing 50		
	<b>Heat insulation</b> The low energy glazing unit reduces heat loss through the window and enhanced indoor comfort.	$U_g = 1.0$
	<b>Solar gain</b> In colder climates and in rooms with large window areas, solar gain provides a better indoor climate during winter periods.	$g = 0.46$
	<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).	$R_w \text{ dB} = 32(-2;-5)$
	<b>Security</b> Thicker laminated inner glass increases resistance to manual attack (burglary).	N/A
	<b>Toughened glass</b> Adds strength to the outer pane to protect from wayward balls and extreme weather such as heavy storms and hail.	✓

### Glazing structure

Glazing unit	Composition (from inside to outside)
Double-glazed	4 mm float glass - 16 mm Argon - 4 mm toughened glass

## 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)	1.3 W/(m <sup>2</sup> K)
Light transmittance (τ <sub>v</sub> )	0.69
Total solar energy transmittance (g-value)	0.46
Sound insulation	32(-2;-5)
Air permeability	4
External fire performance - British	AA
External fire performance - European	npd
Impact resistance	3
Load-bearing capacity of safety devices	√
Reaction to fire	C-s1,d0
Resistance to snow load	See glazing composition
Resistance to wind load	C3 (>SK08: NPD)
Water tightness	9A

NPD: No Performance Determined

## Visible features

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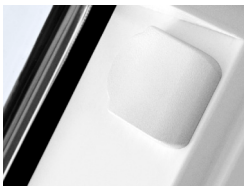
### Operating handle, emergency exit, bottom

The handle on the bottom sash allows the window to open to a standard angle of 45°. In an emergency situation, the sash can be opened to an angle of 67° by pushing it further up.



### Operating handle, emergency exit, side

Two large handles on the sides of the window make it easy to operate the rescue opening 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 pane.



### Gas spring, rescue opening

The gas springs facilitate a further opening of the sash in an emergency situation.



### 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.



### Interior insulation, frame top

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



### 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	Clear lacquer Finished with triple coat, clear lacquered.	White-painted Finished with triple coat, white painted.
Colour code NCS, inner surface	-	S 0500-N
Colour code nearest RAL, inner surface	-	9003

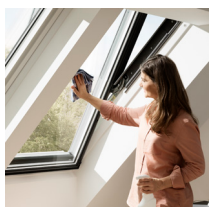
## Exterior covers

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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 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>.