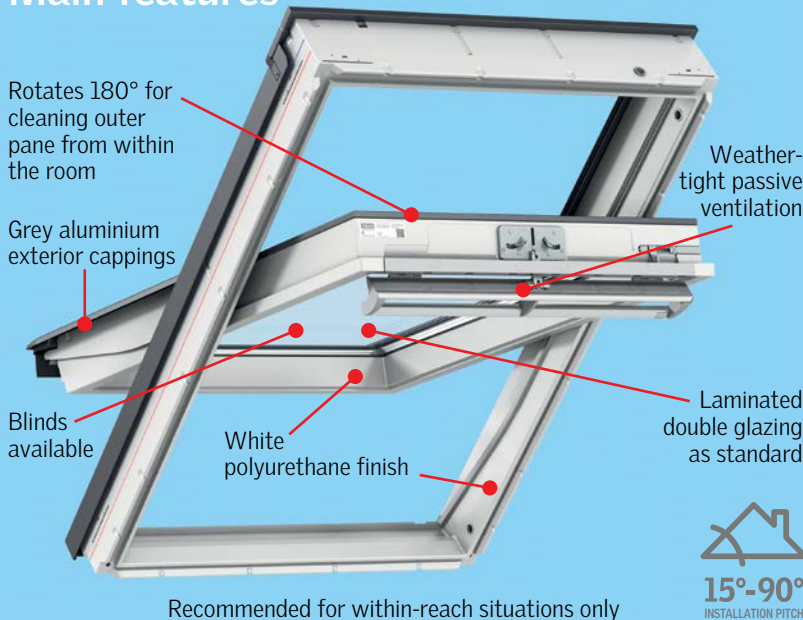


# GGU Centre-pivot Roof Window

## Main features

Available in 7 sizes



## Construction

VELUX GGU is an opening, centre-pivoting roof window used for in-reach applications to bring natural light and air into attic or loft rooms where ventilation is required. Easy to clean, high quality polyurethane molded over a timber core and finished in white. Aluminium external cappings finished in a smooth grey colour, similar to 'COLORSTEEL® Grey Friars'.



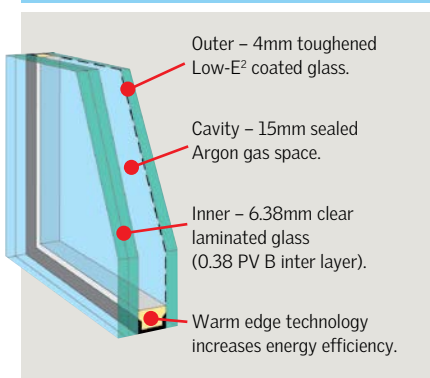
## Operation

The GGU is operated manually. The control bar at the top of the window is clicked to allow passive ventilation, whilst the window remains locked and watertight. A second click of the control bar opens the sash. The sash is frictioned to stay in a horizontal pivot position to maximise ventilation. The sash can be locked in two positions, either slightly ajar or 180°, the fully rotated position, allows the outside pane to be cleaned safely from inside the room.



PASSIVE VENT-For controllable passive ventilation when you want it.

## Laminated Double Glazing as standard



### Benefits and features:

- Radiant heat block: Complete window **approx 70%**
- Harmful UV rays block **approx 95%**
- Noise reduction factor **35 decibels†**
- WERS rating **5 stars**
- Low-E² coating.
- 10 year warranty on insulated glass seal.

\* For roofs below 15° pitch, skylights need to be raised to at least 15° and custom flashed. (Not supplied by VELUX). Refer to website or contact VELUX for technical advice and drawings.

**10 YEAR WARRANTY**  
on roof windows, flashings and glazing

**1 YEAR WARRANTY**  
on blinds and accessories

## GGU technical performance

### New Zealand Standards

VELUX Roof Windows are tested and appraised to the appropriate New Zealand Standards.

### New Zealand Standard NZS4223

### Energy rating

GGU Roof Windows have been energy rated in accordance with the Roof Window Energy Rating Scheme (WERS).

★★★★★ **Maximum 5 stars Summer Ratings**

4.5 out of 5 stars for Winter Rating.  
4.5 out of 5 stars for Cool Daylight in Summer.

### Construction

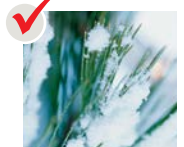
**Frame and sash:** Moulded Polyurethane (white) encapsulating a timber core.

**Exterior capping:** Grey aluminium.



BRANZ Appraised  
Appraisal No.959 [2017]

**WORLD-CLASS QUALITY**



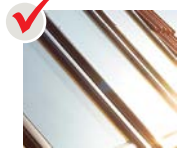
**LOAD TESTED**  
(NZBC Clause B1)



**DURABILITY**  
(NZBC Clause B2)



**WEATHERTIGHTNESS**  
(NZBC Clause E2)



**SAFETY GLAZING**  
(NZBC Clause F2)



**ENERGY EFFICIENCY**  
(NZBC Clause H1)



**VENTILATION**  
(NZBC Clause G4)



**NATURAL LIGHT**  
(NZBC Clause G7)

**NB:** BRANZ appraised scope does not cover custom flashing or installations over 60°.

Glazing type	76
R-value†	
Complete Roof Window	0.83
Solar Heat Gain Co-efficient†	
Complete Roof Window	0.30
Visible Light Transmittance	
Complete Roof Window	0.62
Luminous Efficacy (Ke = VT/SHGC)	
Complete Roof Window	2.07

† Figures calculated according to EN 14351-1:2006+ A1:2010 (window size 1140 x 1180mm).

# GGU Centre-pivot Roof Window

## Manual Blackout Blind (DKL)



- Provides blackout from light.
- Colour: White on internal side. Silver coating on external side.
- Materials: Light-tight polyester with heat resistant coating. Aluminium side channels and top cover.
- Reduce light by approx 100%.
- Increased thermal efficiency.

Now even easier to fit using VELUX **Pick&Click!**<sup>\*</sup> system. Blinds sold separately.

**NB:** NEW VELUX blinds and flashings do not suit roof windows purchased prior to March 2014.

## Choice of flashing

### EDW flashing for profiled roofing material

EDW flashing is used for Roof Windows installed into tiled roofs and profiled metal roofs (such as corrugated iron - not suitable for concealed clip roof profiles or membrane roofs).



### EDL flashing for flat roofing material

EDL flashing is used for Roof Windows installed into slate or shingle roofs - max 8mm thick. 'L' shaped sections are provided that act as soaker pieces on either side of the Roof Window. These soakers sit under each course of slate or shingle and interlock with the course above.



<sup>\*</sup> For roofs below 15° pitch, skylights need to be raised to at least 15° and custom flashed. (Not supplied by VELUX). Refer to website or contact VELUX for technical advice and drawings.

**NB:** When used in side-by-side/above-below combination, roof windows must have 100mm frame separation and utilise EKW/L combination flashing.

## Opening Restrictions

Building regulations may require the use of a restrictor device: contact VELUX for

information relating to restrictor devices for within-reach roof windows.

## GGU – frame and glazing dimensions – technical details

Laminated Double Glazing as standard

Product/size code ▶	CK02	CK04	MK04	MK06	MK08	SK06	SK08
External frame dimensions mm (wxh)	550x780	550x980	780x980	780x1180	780x1400	1140x1180	1140x1400
Internal glass size mm (wxh)	371x583	371x783	601x783	601x983	601x1203	961x983	961x1203
Daylight area (m <sup>2</sup> )	0.22	0.29	0.47	0.59	0.72	0.95	1.16
Ventilation with open sash (m <sup>2</sup> )	0.26	0.34	0.53	0.66	0.81	1.03	1.25
Weight (kg) including flashing	25.3	29.6	37.5	42.9	48.8	57.5	65.6
Weight (kg) excluding flashing	21.5	25.5	32.9	38.0	43.8	51.7	59.5