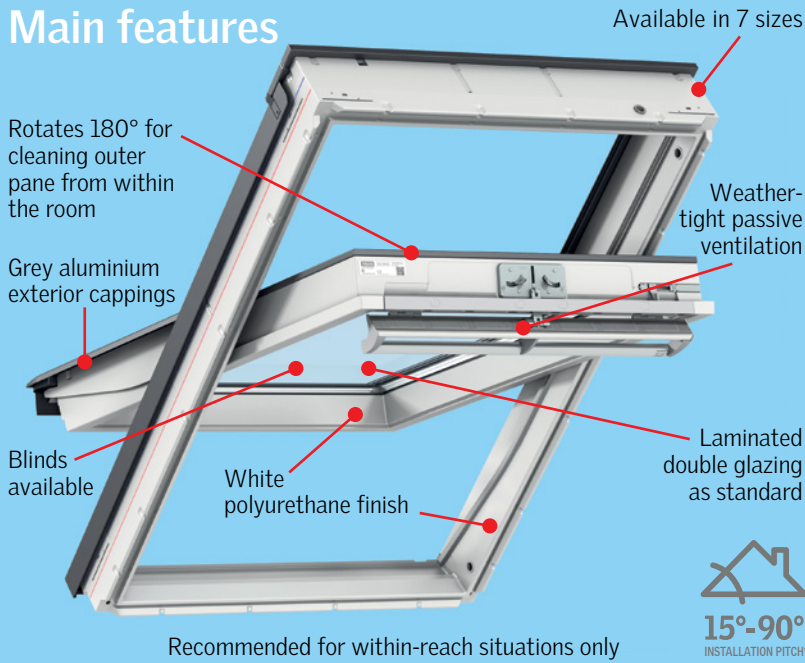


GGU Centre-pivot Roof Window

Main features



GGU technical performance

New Zealand Standards

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

NZS4223 NZS3604 NZS1170

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.

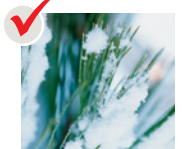
Construction

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)

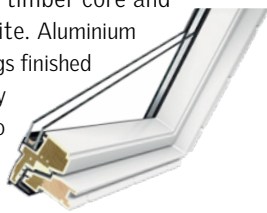


NATURAL LIGHT
(NZBC Clause G7)

NB: BRANZ appraised scope does not cover installations over 60°.

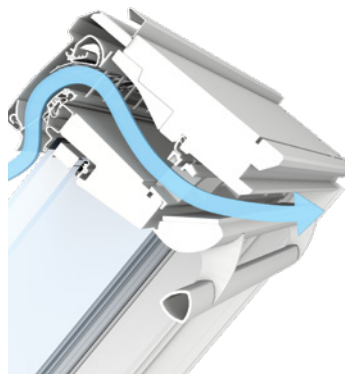
Construction

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'.



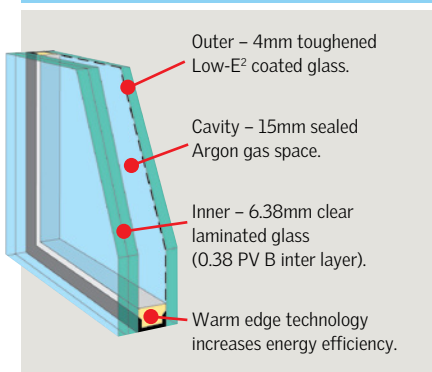
Operation

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:

- Radiant heat block: Complete window **approx 70%**
Glass only **approx 70%**
- Harmful UV rays block **approx 95%**
- Noise reduction factor **34 decibels[†]**
- WERS rating **5 stars**
- Low-E⁺ coating. ✓

New Zealand Standard 4223.4

Laminated glass (standard) must be used for roof windows installed 5m or more above floor level.

Technical Values

| | |
|---|-------------------|
| R-value[‡] | |
| Complete Roof Window | 0.77 |
| Solar Heat Gain Co-efficient[‡] | |
| Complete Roof Window | 0.30 |
| Visible Light Transmittance | |
| Complete Roof Window | 0.64 |
| Luminous Efficacy (Ke = VT/SHGC) | |
| Complete Roof Window | 2.07 |
| Acoustic performance | |
| Complete skylight | 34dB [#] |

[#]Based on RW value tested to AS1276.1

* For roofs below 15° pitch, roof windows 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.

GGU Centre-pivot Roof Window

Choice of flashing

EDW flashing



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



EDL flashing is used for roof windows installed into slate or shingle roofs – max 5mm 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.



EKW combination flashing



Designed for installing multiple roof windows side-by-side or above-below. Roof windows must be spaced 100mm apart. EKW suitable for same roofs as EDW flashing.



* For roofs below 15° pitch, roof windows 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.

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%.
- Reduce heat by approx 40%^.
- Increased thermal efficiency.
- Easy to fit using VELUX **Pick&Click!**[®] system.

Blinds sold separately.

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

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

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 ²) | 0.22 | 0.29 | 0.47 | 0.59 | 0.72 | 0.95 | 1.16 |
| Ventilation with open sash (m ²) | 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 |

^ Based on VELUX internal testing with 3076 model Roof Window.