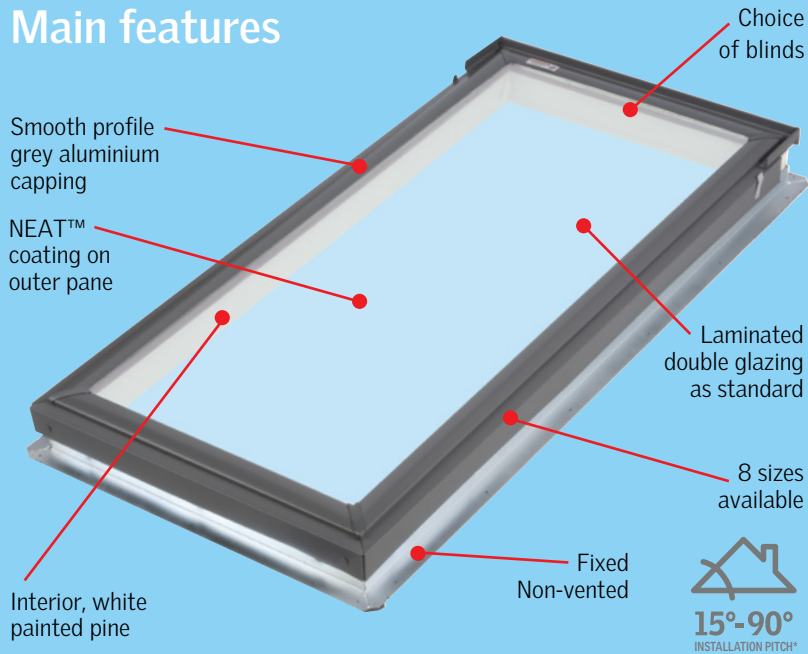


FS Fixed Skylight Pitched roof

Main features

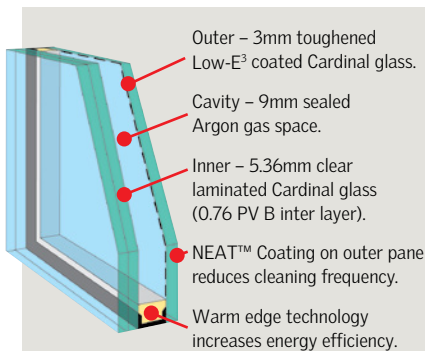


Construction

Quality frame made from Ponderosa pine. Factory treated with a wood preservative and further treated with 2 coats of white enamel paint for clean interior finish.

Aluminium external capping finished in a smooth grey colour, similar to 'COLORSTEEL® Grey Friars'. The FS Skylight provides a cost-effective solution for creating light-filled rooms

High Performance Double Glazing



Benefits:

- Radiant heat block: Complete window Glass only **approx 75%**
- UV Harmful rays block **approx 70%**
- WERS rating **5 stars**
- Low-E³ coating. ✓
- Reduced cleaning frequency. ✓

New Zealand Standard 4223.4

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

NEAT™ Photocatalytic Coating

- Silicone Dioxide/Titanium Dioxide coating reacts with the sun's UV rays to decompose surface organic dirt before rinsing away with the next shower of rain, thereby reducing cleaning frequency.
- The coating also makes the glass surface smoother, so water disperses evenly, sheets off, and evaporates quickly; thereby minimising water spotting on the pane.

* 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.

FS technical performance

New Zealand Standards

All VELUX Skylights are tested and appraised to the appropriate New Zealand Standards.

NZS4223 NZS3604 NZS1170

AS4285 SKYLIGHTS
Cyclonic & Non-Cyclonic

Hailstone Test

VELUX Simulated Tests[^] ASTM E822-2009.

[^] ASTM E822-2009 standard practice for determining resistance of Solar Collector Covers to Hail impact with propelled ice balls.

Energy rating

FS Skylights have been energy rated in accordance with the Skylight 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.



BRANZ Appraised
Appraisal No.958 [2017]

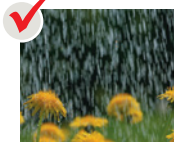
WORLD-CLASS QUALITY



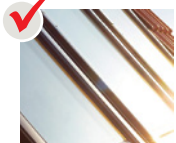
LOAD TESTED
(NZBC Clause B1)



DURABILITY
(NZBC Clause B2)



WEATHERTIGHTNESS
(NZBC Clause E2)



SAFETY GLAZING
(NZBC Clause F2)



ENERGY EFFICIENCY
(NZBC Clause H1)



NATURAL LIGHT
(NZBC Clause G7)

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

Technical Values

R-value[‡]

Complete skylight 0.49

Solar Heat Gain Co-efficient[‡]

Complete skylight 0.26

Visible Light Transmittance

Complete skylight 0.61

Luminous Efficacy (Ke = VT/SHGC)

Complete skylight 2.35

Acoustic performance

Complete skylight 32dB[#]

[‡] R-value (m² K/W) and SHGC data based on NFRC simulations at 90° installation pitch (FS nominal skylight size 1200mm x 1200mm).

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

FS Fixed Skylight Pitched roof

Choice of blinds



Blackout blinds

- 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%.[^]
- Easy to fit using VELUX **Pick&Click!**[®] system.

Solar

- Uses the sun's energy to power the built-in motor.
- Operated by wireless wall-mounted keypad (provided).



Honeycomb blinds

- Adds a decorative effect.
- Colour: White on both sides.
- Materials: Double layered pleats (polyester) form a 'honeycomb' structure. Inner faces of honeycomb structure have aluminium coating.
- Reduce light by up to 95%.
- Reduce heat by approx 60%.[^]
- Easy to fit using VELUX **Pick&Click!**[®] system.

Solar

- Uses the sun's energy to power the built-in motor.
- Operated by wireless wall-mounted keypad (provided).

Manual

- Requires rod control (ZXT 200) for out-of-reach situations.

Blinds sold separately.

FS – frame and glazing dimensions

Profile height above batten 100mm

Product/size code ▶	C01	C04	NEW C08	M04	M06	M08	S01	S06
External frame dimensions mm (wxh)	550x700	550x980	550x1400	780x980	780x1180	780x1400	1140x700	1140x1180
Internal glass size mm (wxh)	462x611	462x891	462x1311	692x891	692x1091	692x1311	1052x611	1052x1091
Daylight area (m ²)	0.28	0.41	0.61	0.62	0.75	0.91	0.6	4.15
Weight (kg) including flashing	14.9	18.9	25.3	24.8	29.1	33.3	26.7	39.5
Weight (kg) excluding flashing	11.7	15.5	18.6	20.9	25.0	29.0	22.0	34.5

Skylights can only be installed as per orientation depicted above.
[^] Based on VELUX internal testing with 3076 model Roof Window.

Choice of flashing

EDW flashing



EDW flashing is used for skylights 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 skylights installed into slate or shingle roofs – max 5mm thick. 'L' shaped sections are provided that act as soaker pieces on either side of the skylight.



EKW combination flashing



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



*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.