VELUX®

FS Fixed Skylight Pitched Roof

Main features

Smooth profile grey aluminium capping

NEAT™ coating on outer pane

Interior, white painted pine

Choice of blinds

11 sizes available

Laminated double glazing as standard

15°-90°
INSTALLATION PITCH*
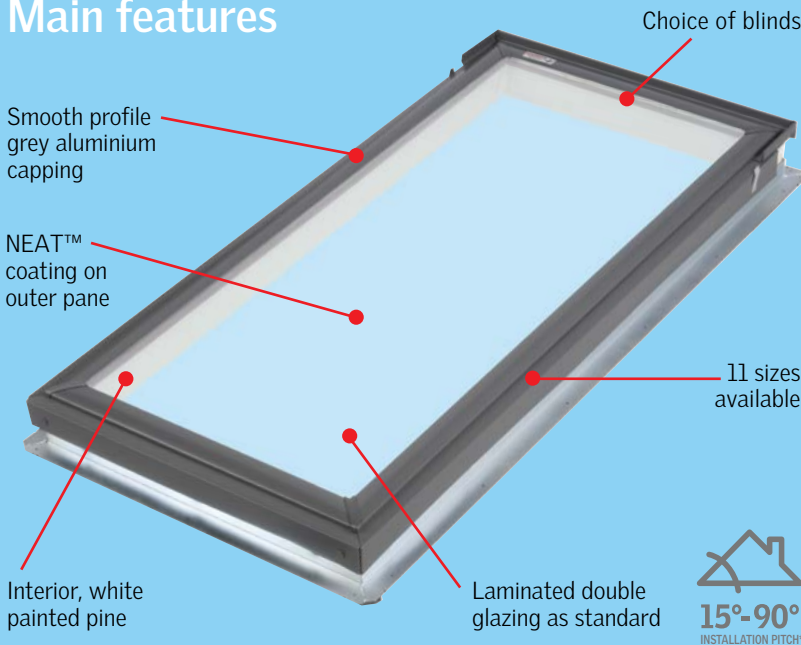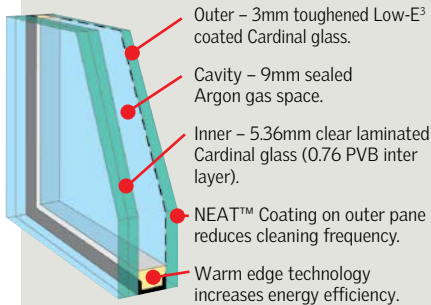
Construction

Quality frame made from Ponderosa pine. Factory treated with a base preservative to reduce mould and mildew. Further treated with a coat of white paint for clean interior finish.

The FS Skylight provides a cost effective solution for creating light-filled rooms where adequate ventilation already exists. Energy efficient glazing and the use of blinds ensures heat transference is minimised.

High Performance Double Glazing

Outer – 3mm toughened Low-E³ coated Cardinal glass.

Cavity – 9mm sealed Argon gas space.

Inner – 5.36mm clear laminated Cardinal glass (0.76 PVB inter layer).

NEAT™ Coating on outer pane reduces cleaning frequency.

Warm edge technology increases energy efficiency.

Benefits:

- Radiant heat block: Complete window   approx 75%
                                 Glass only   approx 70%
- UV Harmful rays block   approx 99%
- WERS rating   5 stars
- Double layer of Low-E³ coating.
- 10 year warranty on insulated glass seal.
- Reduced cleaning frequency.

Australian Standard AS1288

Laminated glass (standard with FS) must be used for skylights installed 3m 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.

Neat

* For roofs below 15° pitch, skylights need to be raised to 15° and custom flashed. VELUX can assist with technical advice and drawings.
  (NB: build-up not recommended in Bushfire areas.).

FS technical performance

Code Mark is a voluntary certification scheme owned by the Commonwealth of Australia that provides legally binding evidence of compliance to the National Construction Code of Australia. One certificate replaces dozens of technical papers.

CODEMARK®
Australia
30090

Australian Standards

VELUX Skylights are tested and approved to the appropriate Australian Standards.

AS4285 SKYLIGHT–
Cyclonic and Non-Cyclonic Testsⁱ

Pressure Rating	−2.4kPa

AS1288 OVERHEAD GLAZING
Laminated inner pane

AS3959 BUSHFIRE
Attack Level 40^

NCC BOUNDARY SEPARATION†
Class 1 and Class 10 buildings:
Within 900mm of a boundary wall
Class 2 to Class 9 buildings:
3 metres from a boundary wall^^

VELUX Skylights are deemed non-combustible by CSIRO and thereby comply with NCC boundary separation requirements.

BASIX Selection Guide
Timber, Low-E, Double glazed, Argon filled

† CSIRO assessment report available on request. VELUX recommends consultation with relevant authority before work commences.
^ Roof pitch 18°-75°. Skylight only. Custom-made flashing required.
^^ Skylight cannot be closer than 3m unless the boundary is adjoining a road or public place. Consult NCC for further details.
ⁱ Not certified for NT DTCM.

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

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

Technical Values

U-value (W/m²K)

Complete skylight	2.60
Glass only	1.93

Solar Heat Gain Co-efficient

Complete skylight	0.24
Glass only	0.28

Visible Light Transmittance

Complete skylight	0.55

Luminous Efficacy (Ke = VT/SHGC)

Complete skylight	2.29

Acoustic performance

Complete skylight	32dB#

Figures generated by AFRC accredited simulators. Figures based on complete skylight: nominal size 1140mm (W) x 1180mm (H).
Based on Rw value tested to AS1276.1.

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Choice of blinds

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. White powder-coated aluminium side channels and top cover.
• Provides near total light reduction.
• Reduce heat by approx 70%.[†]
• Easy to install.

Solar

• Built-in solar panel charges concealed battery pack.
• Operated by wireless wall-mounted keypad (provided).

Manual

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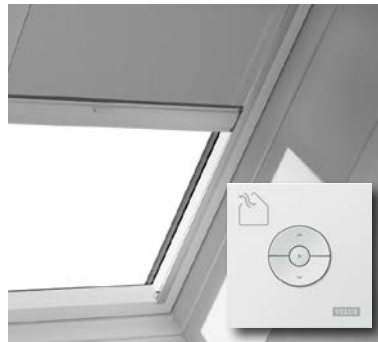
Blockout blinds

• Colour: White on internal side. Silver coating on external side.
• Materials: Light-tight polyester with heat resistant coating. White powder-coated aluminium side channels and top cover.
• Provides near total light reduction.
• Reduce heat by approx 40%.[†]
• Easy to install.

Solar

• Built-in solar panel charges concealed battery pack.
• Operated by wireless wall-mounted keypad (provided).

Blinds and control rods sold separately.

Choice of flashing

EDW flashing
15°-90°

EDW flashing is used for skylights installed into tiled roofs and low profiled metal roofs (such as corrugated iron and spandek – not suitable for metal profiles such as Klip-Lok, Trimdek).

EDL flashing
15°-90°

EDL flashing is used for skylights installed into slate or shingle roofs – typically 4-8mm thick. 'L' shaped sections are provided that act as soaker pieces on either side of the skylight.

EKW combination flashing
15°-90°

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.

NB: For roofs below 15° pitch, skylights need to be raised to 15° and custom flashed. VELUX can assist with technical advice and drawings. (NB: build-up not recommended in Bushfire areas.)

NB: VELUX blinds and flashings do not fit older VELUX products. Contact VELUX to check availability of suitable blinds and flashings.

FS – frame and glazing dimensions

Profile height above batten 100mm

Product/size code ▶	C01	C04	C06	C08	C12 NEW	M02	M04	M06	M08	S01	S06
Overall frame size wxh – mm	550x700	550x980	550x1180	550x1400	550x1800	780x780	780x980	780x1180	780x1400	1140x700	1140x1180
Internal glass size wxh – mm	462x611	462x891	462x1091	462x1311	462x1713	692x691	692x891	692x1091	692x1311	1052x611	1052x1091
Daylight area (M²)	0.28	0.41	0.50	0.61	0.79	0.48	0.62	0.75	0.91	0.64	1.15
Weight in kg [‡]	14.9	18.9	22.1	25.3	37.3	21.5	24.8	29.1	33.3	26.7	39.4

Skylights can only be installed as per orientation depicted above.
‡ Weight includes flashing.
† Based on VELUX internal testing with 3076 model Roof Window.