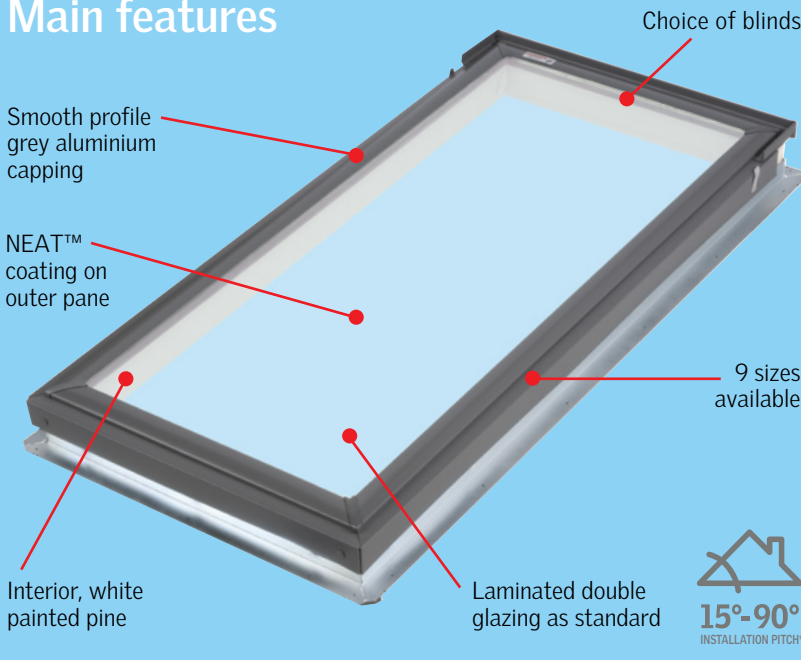


FS Fixed Skylight Pitched Roof

Main features



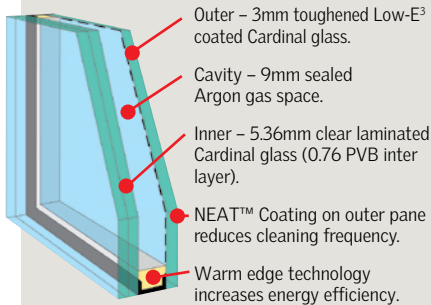
Construction

Quality frame made from Ponderosa pine. Factory treated with a base preservative to reduce mould and mildew. Further treated with 2 coats 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



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.



* 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).

10 YEAR WARRANTY
on skylights,
flashings and glazing

3 YEAR WARRANTY
on blinds
and accessories

FS technical performance

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



Australian Standards

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

AS4285 SKYLIGHTS
Cyclonic & Non-Cyclonic

AS1288 OVERHEAD GLAZING
Laminated inner pane

AS3959 BUSHFIRE
Attack Level 40[^]

AS1530.8.1: BCA BOUNDARY SEPARATION†

Class 1 & 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 BCA Fire 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 BCA for further details.

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.

FS Fixed Skylight Pitched Roof

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.
- Near-total light reduction.
- 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 and control rods sold separately.



Blockout blinds

- Provides blockout 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.
- Near-total light reduction.
- 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).

Choice of flashing

EDW flashing



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



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



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.)

FS – frame and glazing dimensions

Profile height above batten 100mm

| Product/size code | C01 | C04 | C06 | C08 | M04 | M06 | M08 | S01 | S06 |
|---------------------------------|---------|---------|----------|----------|---------|----------|----------|----------|-----------|
| Overall frame size wxh – mm | 550x700 | 550x980 | 550x1180 | 550x1400 | 780x980 | 780x1180 | 780x1400 | 1140x700 | 1140x1180 |
| Internal glass size wxh – mm | 462x611 | 462x891 | 462x1091 | 462x1311 | 692x891 | 692x1091 | 692x1311 | 1052x611 | 1052x1091 |
| Daylight area (M ²) | 0.28 | 0.41 | 0.50 | 0.61 | 0.62 | 0.75 | 0.91 | 0.64 | 1.15 |
| Weight in kg* | 14.9 | 18.9 | 22.1 | 25.3 | 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.