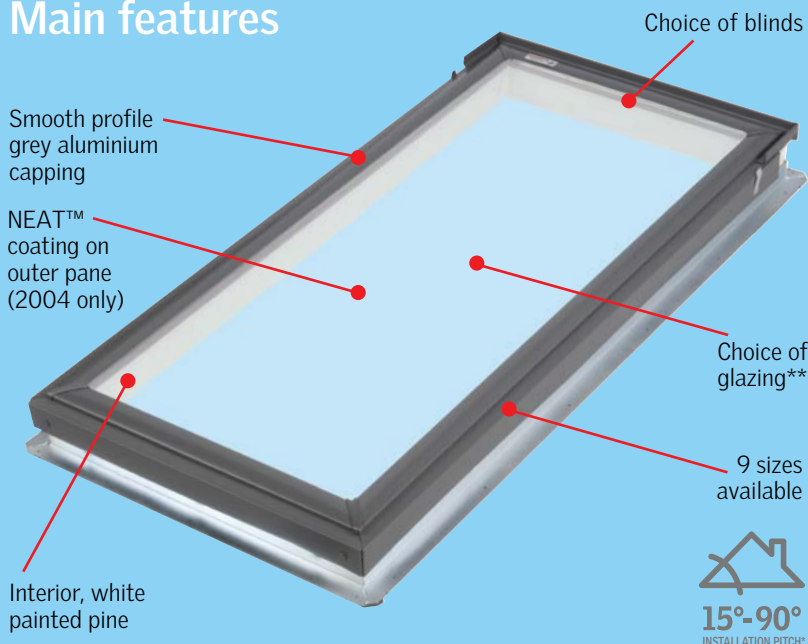


FS Fixed Skylight Pitched Roof

Main features

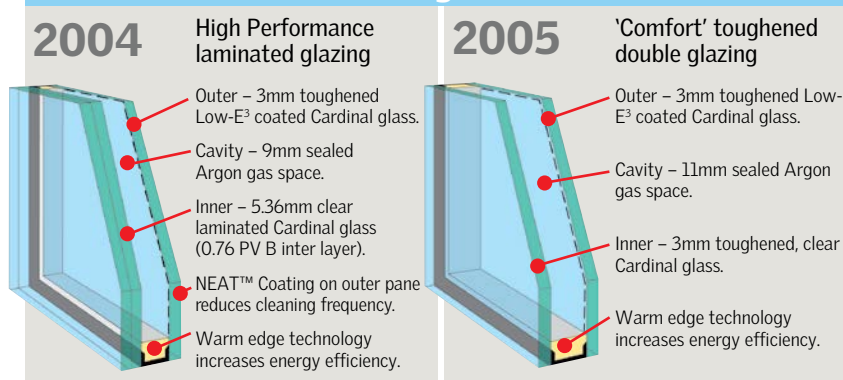


Construction

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 choice of glazing and the use of blinds ensures heat transference is minimised.

Choice of Double Glazing



Benefits:

	2004	2005
• Radiant heat block: Complete window Glass only	approx 75%	75%
• UV Harmful rays block	approx 70%	70%
• Noise reduction factor [#]	approx 99%	95%
• WERS rating	32dB	29dB
• Double layer of Low-E³ coating.	5 stars	5 stars
• 10 year warranty on insulated glass seal.	✓	✓
• Reduced cleaning frequency.	✓	✓

Australian Standard AS1288

Laminated glass (2004) 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.)

#Based on STC value tested to ISO/IEC 17025:2005.

10 YEAR WARRANTY
on skylights,
flashings and glazing

3 YEAR WARRANTY
on blinds
and accessories

FS technical performance

Australian Standards

All 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[^]

AS1530.1: 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 and thereby comply with BCA Fire Separation requirements.

[†] CSIRO assessment report available on request. VELUX recommends consultation with relevant authority before work commences.

[‡] 2004 glazing variant.

[^] Bushfire testing applicable to 2004 glazing variant skylight in 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 (2004 glazing).

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.

Glazing type	2004	2005
--------------	------	------

U-value (W/m²K)	2004	2005
Complete skylight	2.60	2.70
Glass only	1.93	1.98

Solar Heat Gain Co-efficient	2004	2005
Complete skylight	0.24	0.24
Glass only	0.28	0.28

Visible Light Transmittance	2004	2005
Complete skylight	0.55	0.56

Luminous Efficacy (Ke = VT/SHGC)	2004	2005
Complete skylight	2.29	2.33

All figures generated by AFRC accredited simulators. Figures based on complete skylight: nominal size 1140mm (W) x 1180mm (H).

^{**}In applications where FS Skylights are to be installed near VS/VSE/VSS Skylights, utilise the same glazing type to ensure identical visual properties.

FS Fixed Skylight Pitched Roof

Choice of blinds



Blockout 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).

Manual

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



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 and control rods sold separately.

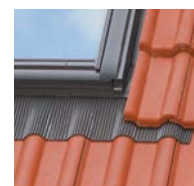
NB: NEW VELUX blinds and flashings do not fit VELUX Skylights manufactured prior to March 2010 and must be ordered accordingly.

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 custom orb – 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 – technical details

Product/size code (Old code – pre April 2010)	▶ C01 (101)	▶ C04 (104)	▶ C06 (106)	▶ C08 (108)	▶ M04 (304)	▶ M06 (306)	▶ M08 (308)	▶ S01 (601)	▶ S06 (606)
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 (M²)	0.28	0.41	0.50	0.61	0.62	0.75	0.91	0.64	1.15
2004 High Performance glazing sizes available	✓	✓	✓	✓	✓	✓	✓	✓	✓
2005 Comfort glazing sizes available	✓	✓	-	✓	✓	-	✓	-	-
2004 – weight in kg *	14.9	18.9	22.1	25.3	24.8	29.1	33.3	26.7	39.4
2005 – weight in kg *	13.4	16.6	-	22.1	21.6	-	28.6	-	-

Skylights can only be installed as per orientation depicted above. * Weight includes flashing.

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