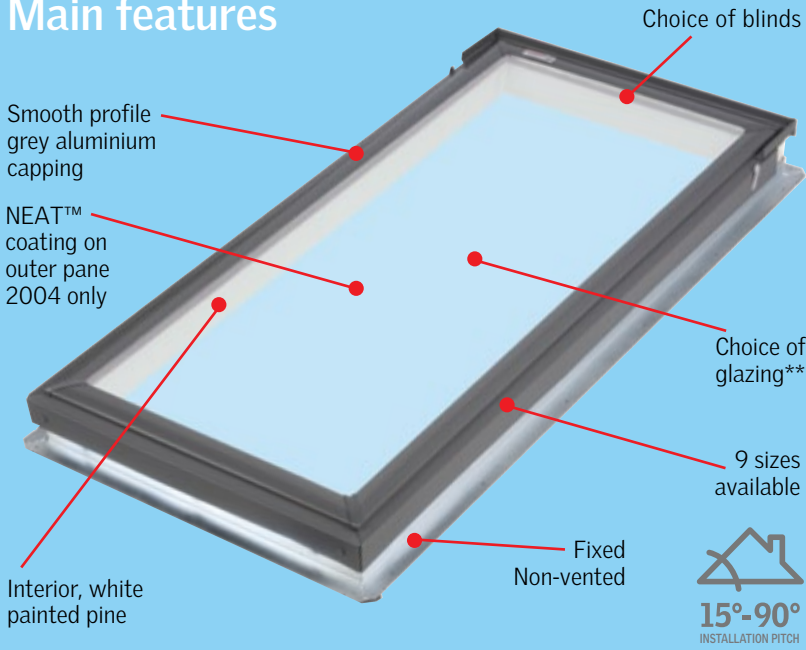


# FS fixed non-openable skylight

## Main features

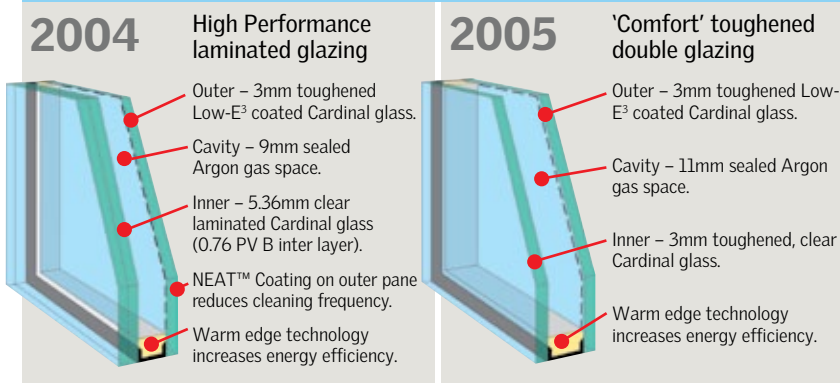


## Construction

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 units



Benefits:	2004	2005	Australian Standard AS1288
• Radiant heat block: Complete window Glass only	approx 80%	80%	Laminated glass (2004) must be used for skylights installed 3m or more above floor level.
• UV Harmful rays block	approx 75%	75%	
• Noise reduction factor	approx 99%	95%	
• WERS rating	32dB	29dB	
• Double layer of Low-E <sup>3</sup> coating.	5 stars	5 stars	
• 10 year warranty on insulated glass seal.	✓	✓	
• Reduced cleaning frequency.	✓	✓	

## 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.

**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 NON-COMBUSTIBILITY

**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 3mtrs 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)		
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	0.27	0.27

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 Fixed Skylights (FS) are to be installed near Openable Skylights (VS/VSE), utilise the same glazing type to ensure identical visual properties.

# FS fixed non-openable skylight

## Choice of Blockout and Venetian blinds



Blockout blinds

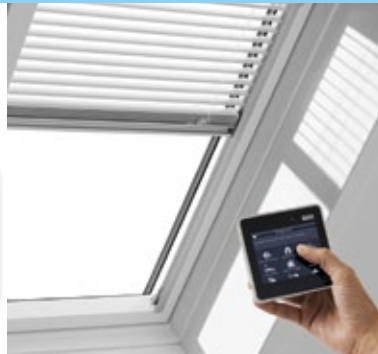
- Provides blackout from light.
- Colour: White on internal side. Silver coating on external side.
- Materials: Light-tight polyester with heat resistant coating. Clear anodized aluminium side channels and top cover.
- Reduce light by approx 100%. Reduce heat by approx 40%.

### 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.



Venetian blinds

- Controls amount and direction of light.
- Colour: Egg-shell white on both sides.
- Materials: 35mm wide slimline aluminium blades. Clear anodized aluminium side channels and top cover.
- Reduce light by up to 85%. Reduce heat by approx 57%.

### Electric

- Requires KLR 200 radio frequency remote control and KLC 500 electric multi-controller.

### Manual

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

Now even easier to fit using VELUX **Pick&Click!**<sup>®1</sup> system.

**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 for profiled roofing material

EDW flashing is used for skylights installed into tiled roofs and low profiled metal roofs (such as corrugated iron and custom orb).



### EDL flashing for flat roofing material

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.



\* 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:** When used in side-by-side/above-below combination, skylights must be 100mm apart and utilise EKW/L combination flashing.

## 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 (M <sup>2</sup> )	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 *	19.2	23.0	26.1	31.2	29.8	34.9	39.1	33.3	46.4
2005 – weight in kg *	18.0	22.1	-	27.8	27.9	-	36.0	-	-

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