**Technical Data**

### FS Fixed Skylight

**Pitched Roof**

#### Main features

- Smooth profile grey aluminium capping
- NEAT™ coating on outer pane
- Interior, white painted pine
- Laminated double glazing as standard

#### 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.

#### Choice of blinds

9 sizes available

#### 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 (0.76mm PV) 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.

#### Features

- **NS** build-up not recommended in Bushfire areas.

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**10 YEAR WARRANTY** on skylights, flashings and glazing

**3 YEAR WARRANTY** on blinds and accessories

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**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 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

**Hailstone Test**


**Energy rating**

VELUX 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†

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

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

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

†* 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.

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

# Based on RW value tested to AS1276.1.

† Roof pitch 18°-75°. Skylight only. Custom-made flashing required.

**NS**  Skylight cannot be closer than 3m unless the boundary is adjoining a road or public place. Contact BCA for further details.

### 15°-90° INSTALLATION PITCH

### BASIX Selection Guide

**Timber, Low-E, Double glazed, Argon filled**

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Choice of blinds

- **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.
  - Reduce light by approx 100%.
  - Reduce heat by approx 40%.
  - Easy to fit using VELUX Pick & Click® system.

- **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).

Blinds and control rods sold separately.

**FS – frame and glazing dimensions**

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<th>Product/size code</th>
<th>C01</th>
<th>C04</th>
<th>C06</th>
<th>C08</th>
<th>M04</th>
<th>M06</th>
<th>M08</th>
<th>S01</th>
<th>S06</th>
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<tr>
<td>Overall frame size w×h – mm</td>
<td>550×700</td>
<td>550×980</td>
<td>550×1180</td>
<td>550×1400</td>
<td>780×980</td>
<td>780×1180</td>
<td>780×1400</td>
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<td>Internal glass size w×h – mm</td>
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<td>462×891</td>
<td>462×1091</td>
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<td>692×1091</td>
<td>692×1311</td>
<td>1052×611</td>
<td>1052×1091</td>
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<td>Daylight area (M²)</td>
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<td>0.41</td>
<td>0.50</td>
<td>0.61</td>
<td>0.62</td>
<td>0.75</td>
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<tr>
<td>Weight in kg*</td>
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<td>18.9</td>
<td>22.1</td>
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<td>29.1</td>
<td>33.3</td>
<td>26.7</td>
<td>39.4</td>
</tr>
</tbody>
</table>

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

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