Choice of blinds

Technical data

**Activation causes the skylight to close faster than normal operation.**

* For roofs below 15° pitch, skylights need to be raised to 15° and custom flashed. VELUX can assist with technical advice and drawings.

**Externally mounted rain sensors automatically close the skylight once rain is detected.**

**VELUX ACTIVE**

Indoor climate control (sold separately)

- Sensor-based ventilation: Smart sensors continuously monitor temperature, humidity and CO₂ levels and open or close your skylights accordingly.
- Stay in control: Use the app to operate your skylights and blinds using your smartphone.
- Indoor climate control (sold separately)
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**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 80% Glass only approx 70%
- UV Harmful rays block approx 99%
- WERS rating
- Double layer of Low-E³ coating.
- 10 year warranty on insulated glass seal.
- Reduced cleaning frequency.

**Australian Standard AS1288**

Laminated glass (standard with VSS) must be used for skylights installed 3m or more above floor level.

**Technical Values**

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<tr>
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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.

**10 YEAR WARRANTY**

on skylights, flashings & glazing

**3 YEAR WARRANTY**

on blinds, accessories & electric controls

**VSS 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. The certificate replaces dozens of technical papers.

**Choice of blinds**

**Main features**

- Smooth profile grey aluminium capping
- 9 sizes available
- Interior, white painted pine
- Insect screen included as standard
- Pre-installed electric motor, control system
- Solar panel and rain sensor
- NEAT™ coating on outer pane
- Choice of blinds

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A Based on RW value tested to AS1276.1.

**Construction**

Quality frame made from Ponderosa pine. Factory treated with a base preservative to reduce mould and mildew. Further treated with paint (2 coats) for a clean white interior finish.

**Wireless control**

The VSS Solar Powered Skylight comes complete with a pre-paired radio frequency controller for skylight operation. Externally mounted rain sensors automatically close the skylight once rain is detected**.

**VSS Solar Skylight Pitched Roof**

**Technical Data**

**Australian Standards**

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

**AS4285 SKYLIGHTS**

Cylcnic & Non-Cyclonic

**AS1288 OVERHEAD GLAZING**

Laminated inner pane

**AS3995 BUSHFIRE**

Attack Level 40°

**AS1530.8.1: BCA BOUNDARY SEPARATION**

Class 1 & Class 10 buildings:
- Within 900mm of a boundary wall; 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**

VSS Skylights have been energy rated in accordance with the Skylight Energy Rating Scheme (WERS).

**Maximum 5 stars**

Summer Ratings

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

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A Based on RW value tested to AS1276.1.
Choice of solar powered blinds

The thermal performance of VSS Skylights can be enhanced with the inclusion of a blind. Different levels of light and heat control are available by using either Blockout or Honeycomb blinds. Tailor-made to fit perfectly to each size of skylight, they are easy to install and are supplied with aluminium side channels allowing blinds to be positioned at any point on the skylight.

No additional electrical control system required when adding blinds. (Blinds supplied with remote control).

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.

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.

Blinds sold separately.

VSS – frame and glazing dimensions

<table>
<thead>
<tr>
<th>Product/size code</th>
<th>Overall frame size w×h – mm</th>
<th>Internal glass size w×h – mm</th>
<th>Daylight area (M²)</th>
<th>Ventilation area (M²)</th>
<th>Weight in kg*</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>550x700</td>
<td>407x519</td>
<td>0.21</td>
<td>0.31</td>
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<td></td>
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<td>997x799</td>
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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.† 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.).