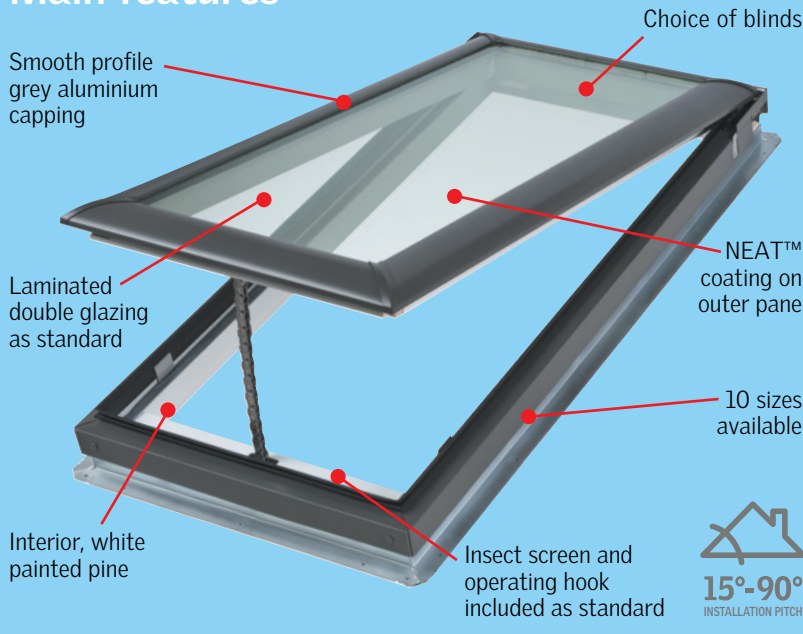


# VS Manual Skylight Pitched Roof

## Main features

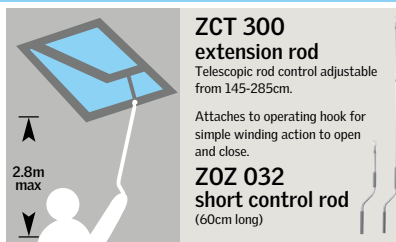
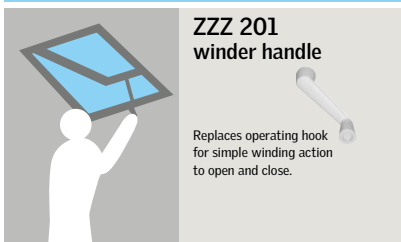


## Construction

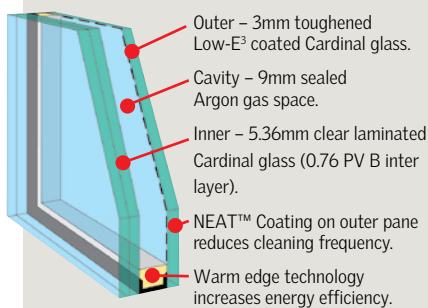
Quality frame made from Ponderosa pine. Factory treated with a base preservative to reduce mould and mildew. Further treated with a coat of white paint for a clean white interior finish.

VS Skylights are operated manually. The VS has a hook included which requires a ZCT 300 rod control to wind the hook and open the sash. Or for applications within reach, the ZZZ 201 winder handle can be used.

## Control options – sold separately



## High Performance Double Glazing



## Benefits:

- Radiant heat block: Complete window **approx 80%**  
Glass only **approx 70%**
- UV Harmful rays block **approx 99%**
- WERS rating **5 stars**
- Double layer of Low-E<sup>3</sup> coating.
- 10 year warranty on insulated glass seal.
- Reduced cleaning frequency.

## Australian Standard AS1288

Laminated glass (standard with VS) 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

## VS technical performance

Code Mark is a voluntary certification scheme owned by the Commonwealth of Australia that provides legally binding evidence of compliance to the National Construction 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<sup>†</sup> Cyclonic & Non-Cyclonic

Cyclonic Rating -2.8kPa

### AS1288 OVERHEAD GLAZING Laminated inner pane

### AS3959 BUSHFIRE Attack Level 40<sup>^</sup>

### NCC BOUNDARY SEPARATION<sup>†</sup> Class 1 & Class 10 buildings: Within 900mm of a boundary wall Class 2 to Class 9 buildings: 3 metres from a boundary wall<sup>^^</sup>

VELUX Skylights are deemed non-combustible and thereby comply with NCC boundary separation requirements.

## BASIX Selection Guide

Timber, Low-E, Double glazed, Argon filled

<sup>†</sup> CSIRO assessment report available on request. VELUX recommends consultation with relevant authority before work commences. Skylight assessed in closed position.

<sup>^</sup> Roof pitch 18°-75°. Skylight only. Custom-made flashing required. Skylight tested in closed position, metal flywire mesh protection may be required for opening apertures (consult local council).

<sup>^^</sup> Skylight cannot be closer than 3m unless the boundary is adjoining a road or public place. Consult NCC for further details.

## Hailstone Test

VELUX Simulated Tests <sup>††</sup>ASTM E822-2009.

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

## Energy rating

VS 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.

## Technical Values

### U-value (W/m<sup>2</sup>K)

Complete skylight	2.50
Glass only	1.93

### Solar Heat Gain Co-efficient

Complete skylight	0.21
Glass only	0.28

### Visible Light Transmittance

Complete skylight	0.48
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### Luminous Efficacy (Ke = VT/SHGC)

Complete skylight	2.29
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### Acoustic performance

Complete skylight	32dB <sup>#</sup>
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All figures generated by AFRC accredited simulators. Figures based on complete skylight nominal size 1140mm (W) x 1180mm (H).  
<sup>#</sup> Based on Rw value tested to AS1276.1.

# VS Manual Skylight Pitched Roof

## Choice of solar powered blinds

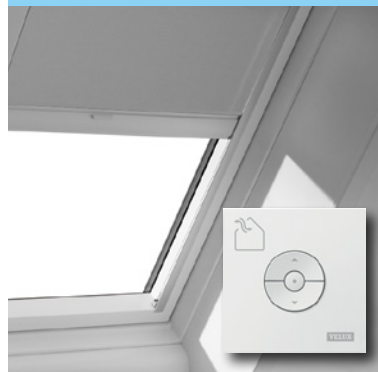
The thermal performance of VS Skylights can be enhanced with the inclusion of a blind. Different levels of light and heat control are available by using either Honeycomb or Blockout blinds. Tailor-made to fit perfectly to each size of skylight, they are easy to install and are supplied with white powder-coated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

### 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. White powder-coated aluminium side channels and top cover.
- Provides nearly total light reduction.
- Reduce heat by approx 60%.<sup>^</sup>
- Easy to install.
- Operated by wireless wall-mounted keypad (provided).

### Blockout blinds



- Provides blockout from light.
- Colour: White on internal side. Silver coating on external side.
- Materials: Light-tight polyester with heat resistant coating. White powder-coated aluminium side channels and top cover.
- Provides nearly total light reduction.
- Reduce heat by approx 40%.<sup>^</sup>
- Easy to install.
- Operated by wireless wall-mounted keypad (provided).

Blinds sold separately.

## 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.**

## VS – frame and glazing dimensions

Profile height above batten 130mm

Product/size code ▶	C01	C04	C06	C08	NEW M02	M04	M06	M08	S01	S06
Overall frame size wxh – mm	550x700	550x980	550x1180	550x1400	780x780	780x980	780x1180	780x1400	1140x700	1140x1180
Internal glass size wxh – mm	407x519	407x799	407x999	407x1219	637x599	637x799	637x999	637x1219	997x519	997x999
Daylight area (M <sup>2</sup> )	0.21	0.33	0.41	0.50	0.38	0.51	0.64	0.78	0.52	1.00
Ventilation area (M <sup>2</sup> )	0.31	0.44	0.54	0.64	0.51	0.65	0.79	0.95	0.68	1.20
Weight in kg <sup>‡</sup>	20.2	24.5	29.3	31.4	28.5	31.4	35.2	39.4	35.9	48.1

Skylights can only be installed as per orientation depicted above.

NB: Opening Restrictors: NCC Vol 1 & 2 regulations (Prevention of Falls from Windows – Balustrades & Barriers): contact VELUX for information relating to restrictor devices for within-reach opening skylights.

‡ Weight includes flashing.

<sup>^</sup> Based on VELUX internal testing with 3076 model Roof Window.