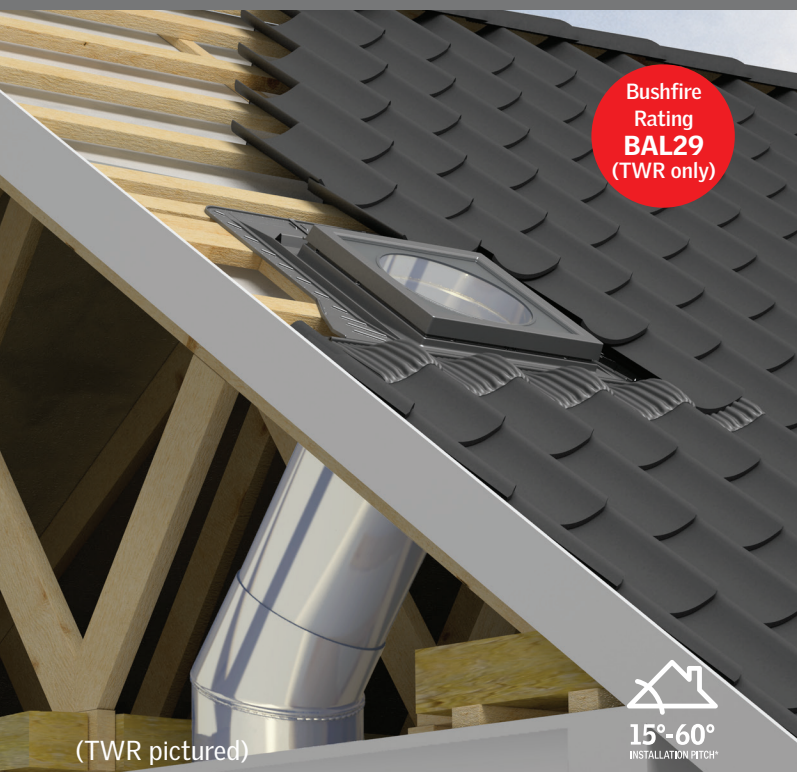


Sun Tunnels Pitched Roof



Time-Saving design

The VELUX Sun Tunnel has been designed with a wide range of features that make installation quick and easy.

The VELUX rigid (TWR/TCR) and flexible (TWF) Sun Tunnels provide installation flexibility. Rigid tunnels deliver a straight shaft of light for when the roof is clear of obstructions. Flexible tunnels can be used when obstructions in the roof cavity prevent the use of rigid Sun Tunnels.

Versatile, tubular shaft

VELUX Sun Tunnels are ideal for flooding natural light into small areas; such as corridors, hallways, walk-in wardrobes or spaces where it's not possible to install traditional skylights.

The rigid shaft (TWR) and flexible tube (TWF) comes with an outer skylight that sits flat on the roof. The rigid shaft (TCR) comes with a curved dome for low roof pitch applications.

Internally a discrete white mounted ceiling diffuser with 'Edge Glow' technology spreads light evenly over an area of up to 9m².

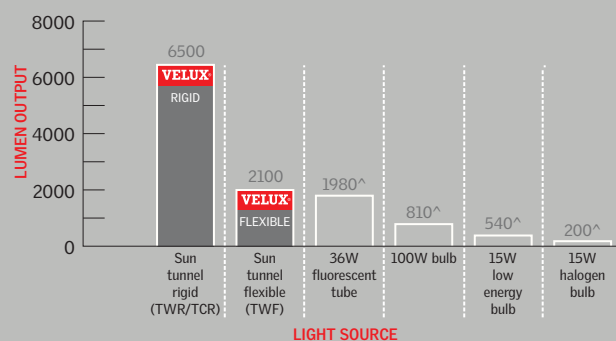
Installation is simple regardless of roof type: tiles or low profile metal roofs (such as corrugated iron). Not suitable for metal profiles such as Klip-Lok, Trimdek. Also suits slate roofs. (Slate model TLF/R).

The VELUX low-pitched rigid Sun Tunnel (TCR) can be installed on flat roofs with a pitch of 0°-60°. Custom flashing made by roofer is required. (Not supplied by VELUX).

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.



Light comparison chart



Light transmittance of VELUX Sun Tunnels depends on parameters such as sky conditions (cloudy/sunny), direction of sunlight, orientation and length of Sun Tunnel. VELUX Sun Tunnels in this chart have been tested with a 1 metre shaft, on a 15° roof pitch in summer, at noon on a sunny day using a photometer. (TWR rigid tunnel emits 440 lumens when measured on a cloudy winter's day).

[^] The graph features 60% of total lumen value for these light sources – allowing for light absorption when mounted in a lamp or fixture, (Lumen values represent an average for Australian manufactured products).

* Sun Tunnels are not suitable for roof pitches below 15°.

TWR

Rigid Tunnel



TWF

Flexible Tunnel



TCR

Rigid Tunnel (Flat/low-pitch roof)



Technical information	TWR RIGID	TWF FLEXIBLE	TCR LOW PITCH
Rooftop Module – 4mm toughened glass	✓	✓	-
Skylight frame dimension 460x460mm	✓	✓	-
Integrated flashing and apron for tiled and corrugated iron roofs	✓	✓	-
Installation pitch 15°– 60°	✓	✓	-
Installation pitch 0°– 60°	-	-	✓
Shaft or tunnel diameter 350mm	✓	✓	✓
Standard tunnel length (up to)	1.65m	2.2m*	1.15m
Extension kit ZTR OK14 (1.24m in length). Rigid only Max tunnel length 6.0m	✓	✓	✓
Technical performance	TWR RIGID	TWF FLEXIBLE	TCR LOW PITCH
'Stay clean' coating reduces cleaning frequency	✓	✓	-
Bushfire (BAL29)**	✓	-	-
7 year warranty	✓	✓	✓

* To maximise light output VELUX recommends TWR for shafts over 1.2m.

** Roof pitch 18°-60°. TWR only.

Sun Tunnel packages come complete with:

- Choice of highly reflective rigid or flexible tunnel (350mm diameter, lengths vary).
- Dual-layered ceiling diffuser – spreads light over an area of up to 9m².
- Interior diffuser design with 'EdgeGlow,' a clear ring on the diffuser's edge.
- Outer polyurethane cappings with integrated flashings for tiled/profiled metal roofs (TWR/TWF only).
- 'Stay clean' coating on glass exterior reduces cleaning frequency (TWR/TWF only).
- 4mm toughened external glazing (TWR/TWF only).
- TCR requires custom flashing made by roofer. (Not supplied by VELUX).

Construction

TWR/TWF: Easy to install, the suntunnel has an integrated polyurethane frame and flashing, together with flexible aluminium apron. Exterior colour: black.

TCR: Acrylic dome with aluminium frame.

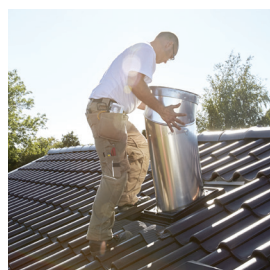
The TWR/TCR utilises two 45° elbows for most direct or angled 'line-of-sight' applications, while the flexible TWF can be used to circumvent obstructions in the roof cavity.

Standard shaft lengths can be extended with the addition of the rigid extension kit ZTR OK14 (1240mm long - sold separately).



Quick assembly time

VELUX Flexi Loc™ system reduces tunnel assembly time significantly. The rigid tunnel is easy to work with; it gives room for movement and adjustment while providing installation stability by locking the pieces into place. (TWR/TCR only).



Less time spent in roof space

The roof module with removable sash ensures quick and easy installation from the outside. Drop the light tunnel into place from the roof. There's little need to enter the roof space; the light tube is easy to install in tight spaces where attic access is difficult.



Easy to install and clean

The VELUX Sun Tunnel is easy to install thanks to the threaded diffuser. When you're finished, simply screw the diffuser into place. And, as an added bonus, it's easier to clean as it can be unscrewed and cleaned as needed.