



Keylite

Roof Lantern



Why Keylite Roof Lantern?



Extra performance, no extra costs

More glass, less roof! Design optimisation ensures that Keylite Roof Lantern has the largest glass spans and fewest rafters currently available from any other system on the market.



Proven design, quality materials

Along with precision engineering Keylite uses the best seals and gaskets available throughout, ensuring complete peace of mind in the most extreme conditions, being the only lantern that requires no cutting, trimming or silicone sealant to build the roof on site.



Strong & Secure

The Keylite Roof Lantern has been optimised to create the strongest and stiffest roof lantern possible with minimal structure. The glass lock system and tamper proof fasteners keep everything tightly in place. Putting into perspective a 6m x 4m roof lantern can support over 8 tonnes.



Slim, beautiful & Sightlines

Narrow yet deep structural profiles! Slim sections, at only 57mm wide, the spas and ridge sections are amongst the slimmest on the market, providing a look usually associated with hand crafted timber constructed lanterns.



Thermally Efficient

Combined with high performance glazing, the thermal efficiency of the Roof Lantern is guaranteed by the elimination of cold bridging, achieved by isolating of the external profiles from the internal ones, ensuring great ability on reducing heat transfer.



Fast & Easy install

Revolutionary design for rafters and factory fitted cast aluminium bosses link spas and eaves beams with simple but strong one bolt fixings, along with pre-fitted injection moulded silicone seals and Q-Lon gaskets

Let light bring your home to life



The Keylite Roof Lantern is the optimum daylighting solution for flat roofs with the ability to convert dull rooms into vibrant living spaces. Ideal for extensions as well as new builds, these elegant lanterns will add an impressive feature to any project.

Performance

The lantern's classic design sits well within both modern and traditional interiors. The 100% thermally broken, sleek, aluminium construction provides the very best in energy efficient performance, adding comfort and value.



Practicality

The Keylite Roof Lantern has been manufactured with innovative design features which simplify installation and ensure long term weatherability. The high quality materials and finish provide practicality for the homeowner.



Security

The use of tamper proof fixings and a glass lock system enhance the security of the lantern and when fully installed the structure is inherently strong and secure with no visible fixings.



Warm

Designed for energy efficiency

Advanced design and manufacturing standards ensure the Keylite Roof Lantern is protected against thermal bridging and heat loss, providing comfort and energy efficiency for your home.

1.2
W/m².K

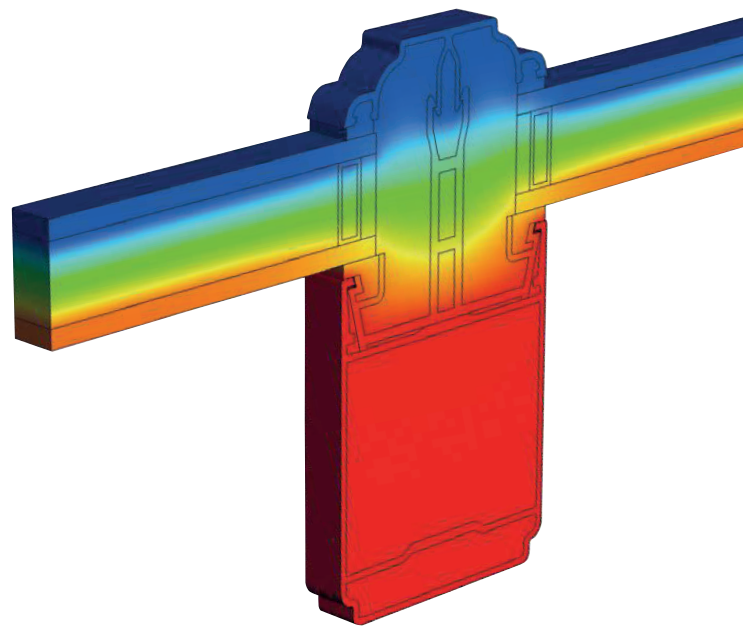
Excellent U Value

U values for the lantern range from 1.2 W/m².K depending on selected glazing option.

(Based on a 3m x 1.5m lantern with 1.0 W/m².K glazing)

Performance Glazing

We offer a range of high performance glazing options, giving you a choice of colour and solar control.



Thermally Broken Eaves Beam

The lantern is thermally broken right from the eaves beam upwards, thanks to our innovative polymer link sections, providing a thermal break between the exterior and the interior of the aluminium eaves beam.

Hi Performance Gaskets

The Keylite Roof Lantern uses the proven Q-Lon gasket system, renowned for its weather sealing properties, even in extreme conditions.

Thermal PVC T-Bar

By structurally optimising the design, the need for aluminium T-bars has been eliminated. Through the innovative use of PVC T-bar profiles, we maximise the depth of the thermal break between the internal spa and the external cap, resulting in superior thermal performance.

Bespoke Silicone Seals

Liquid Silicone Rubber (LSR) injection moulded seals are factory fitted into each aluminium boss. Combined with the Q-Lon gaskets it creates the perfect barrier against ingress of wind or rain.

Strong

Outstanding structural performance

Every component has been designed and developed specifically for use in the lantern, to create the strongest and stiffest roof lantern possible, enabling it to support loads of up to 3.5 kN/m². With this unparalleled in strength, the Lantern can survive whatever nature throws at it.

3.5
kN/m²

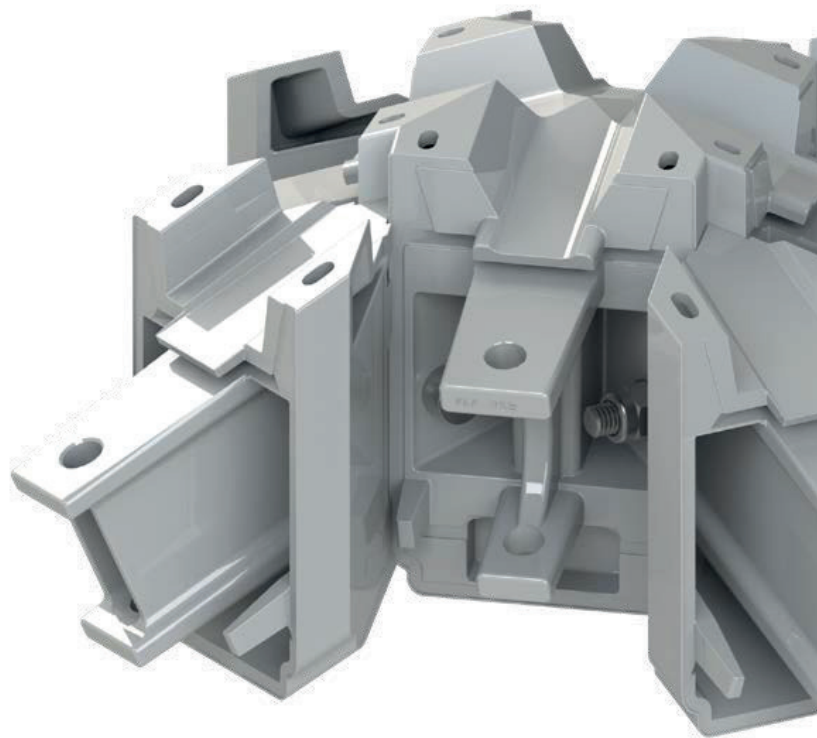
3.5 kN/m² Max. Load

The integrity of every lantern is assured by its outstanding load bearing capability.

6m x 4m

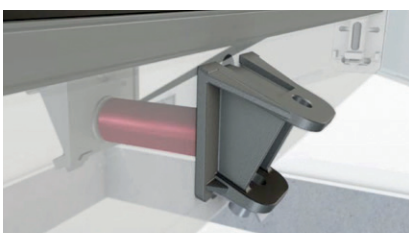
6m x 4m Max. Size

The system's structural performance enables the production of lanterns up to 6m x 4m.



Robust Diecast Components

Advanced computer modelling was utilised in the design of the lantern's diecast aluminium lugs and end boss, enabling wind and snow loads to be distributed evenly throughout the structure while Helicoil inserts further reinforce joints.



Anti-Crush Tube

To maximise the strength of the system at the point where two rafters are positioned across the ridge, we have designed a precision turned Anti-Crush bar which protects the ridge against deflection whilst remaining hidden from view.

Slim

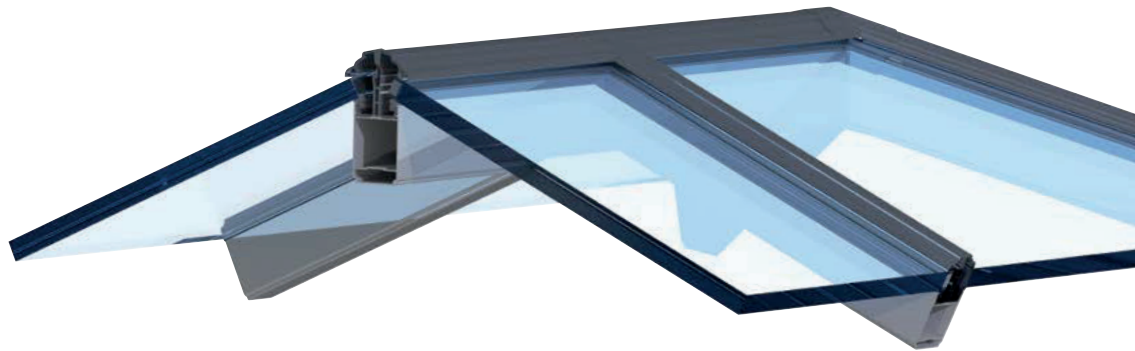
Elegant from every angle

The Keylite Roof Lantern combines strength with beauty thanks to its sleek profiles so you see more sky and less roof.



57mm

The system's aluminium profiles are just 57mm wide.



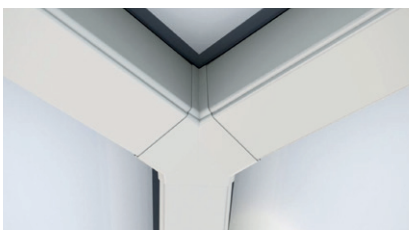
Slimmer Profiles

Intelligent design has enabled us to reduce the width of our profiles to just 57mm wide, and our soft ogee edge design at the base of the profile visually lightens the appearance even further.



Hidden Fixings

All of the fixings are hidden within our roof structure and our boss castings match our profile sections perfectly for seamless joints.






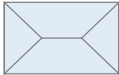

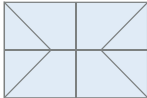
Smooth Lines

The Keylite Roof Lantern delivers the visual appeal of traditional timber construction, but with all the maintenance free benefits of a modern aluminium system. The smooth lines create an elegant appearance when viewed internally and from outside.

Range

Size Range

The Keylite Roof Lantern is supplied in 6 standard sizes.
Bespoke sizes are available up to 6mx4m.

					
FRL 1510	FRL 2010	FRL 2015	FRL 2515	FRL 3015	FRL 3020
1.5m x 1m	2m x 1m	2m x 1.5m	2.5m x 1.5m	3m x 1.5m	3m x 2m
Height approx 358mm	Height approx 358mm	Height approx 474mm	Height approx 474mm	Height approx 474mm	Height approx 591mm

Colour Range

Our standard frame colours are Gloss White, Matt Grey and Matt Black.
Available in any combination of inner and outer skins.

	RAL9010 Gloss White		RAL7016 Matt Grey		RAL9005 Matt Black
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We can also supply the Roof Lantern in many other bespoke colours. Please note that colours are a print representation only.

Glazing Range

Keylite Roof Lanterns can be supplied with a range of high performance self-cleaning glass options to suit every taste. To complement your new roof you can choose from either Ultra Low E, grey, privacy or clear.

	Standard	Optional Upgrades		
Glass Finish	Clear	Ultra Low E	Privacy	Grey
U-Value*	1.2 W/m².K	1.0 W/m².K	1.2 W/m².K	1.2 W/m².K
Solar Heat Reflection	42%	82%	34%	55%
Light Transmission	78%	30%	54%	38%
Self Cleaning	Yes	Yes	No	Yes

*U values range from 1.0 - 1.2 W/m².K. Other options of glazing available upon request.



designed for New Zealand living

Who are we?

Adlux is a family business with an extensive network of experienced staff making and installing skylights, roof windows and roof access products throughout New Zealand.

Quality every time

Enjoy plenty of choice and total peace of mind with our comprehensive range of reliable products in an array of designs built for New Zealand weather conditions. Adlux is the only New Zealand skylight manufacturer testing products to an international standard in certified skylight laboratories.

Expert advice

We're here to help. Our products are renowned for their ease of installation and reliability, but you're never on your own. We give hands-on, professional advice as part of the service.

Decades of experience

We know skylights, roof windows and roof access products better than the backs of our hands. With 70 years' experience in New Zealand across manufacturing, design and installation, we're dedicated to sustained growth, with a commitment to continuous improvement and technological knowhow.

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