

**keylite**®

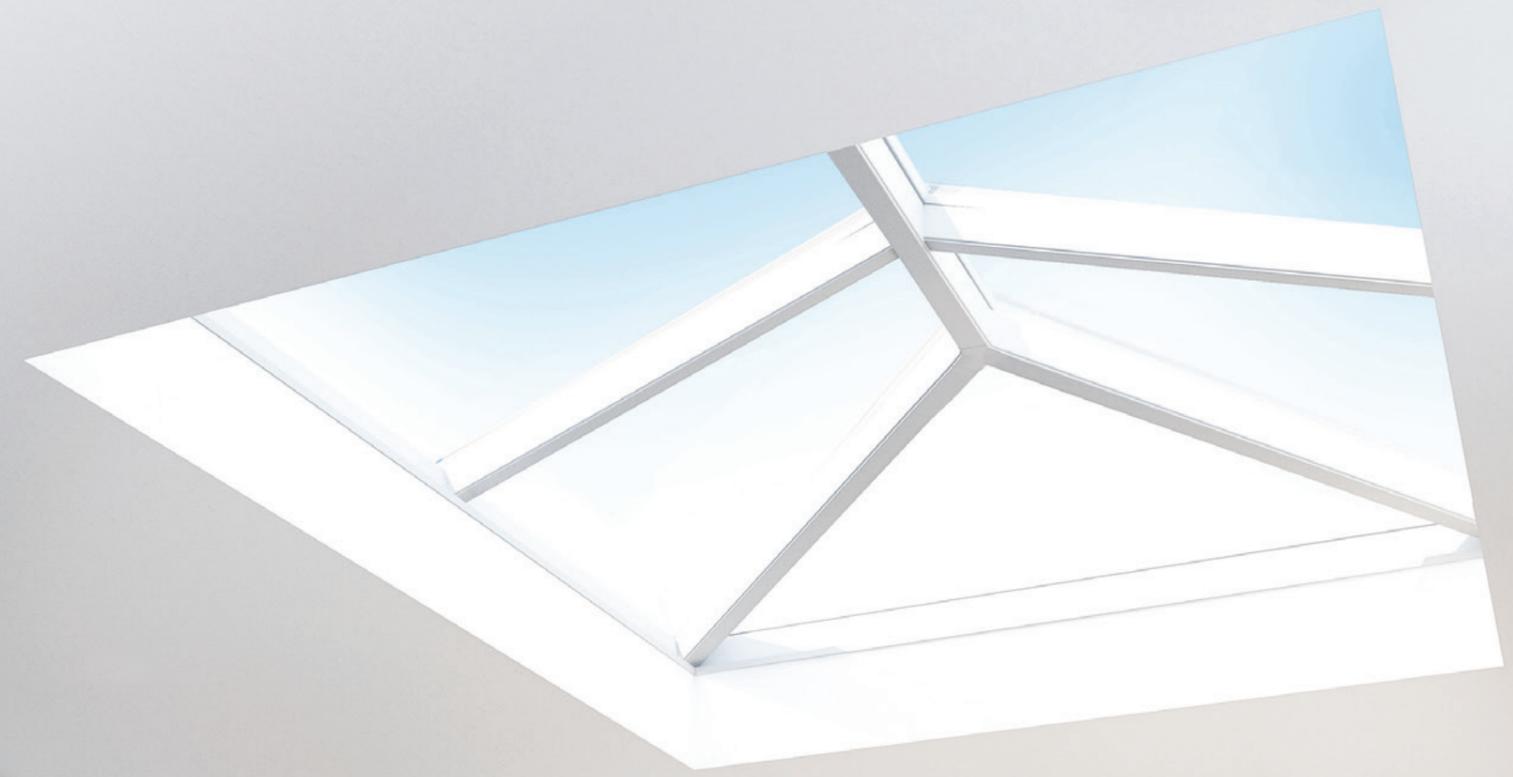
Roof Windows

**Roof Lantern**

Product Brochure



# Let light bring your home to life



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# The optimum flat roof solution

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.



# Faster

**The Keylite Roof Lantern is faster and easier to install than similar products on the market.**

The system has been designed to take the hassle out of installation, with many clever features to save time and simplify the process.



## No Sealant Required

Our pre-fitted seals eradicate the need for sealant along any glass edges.



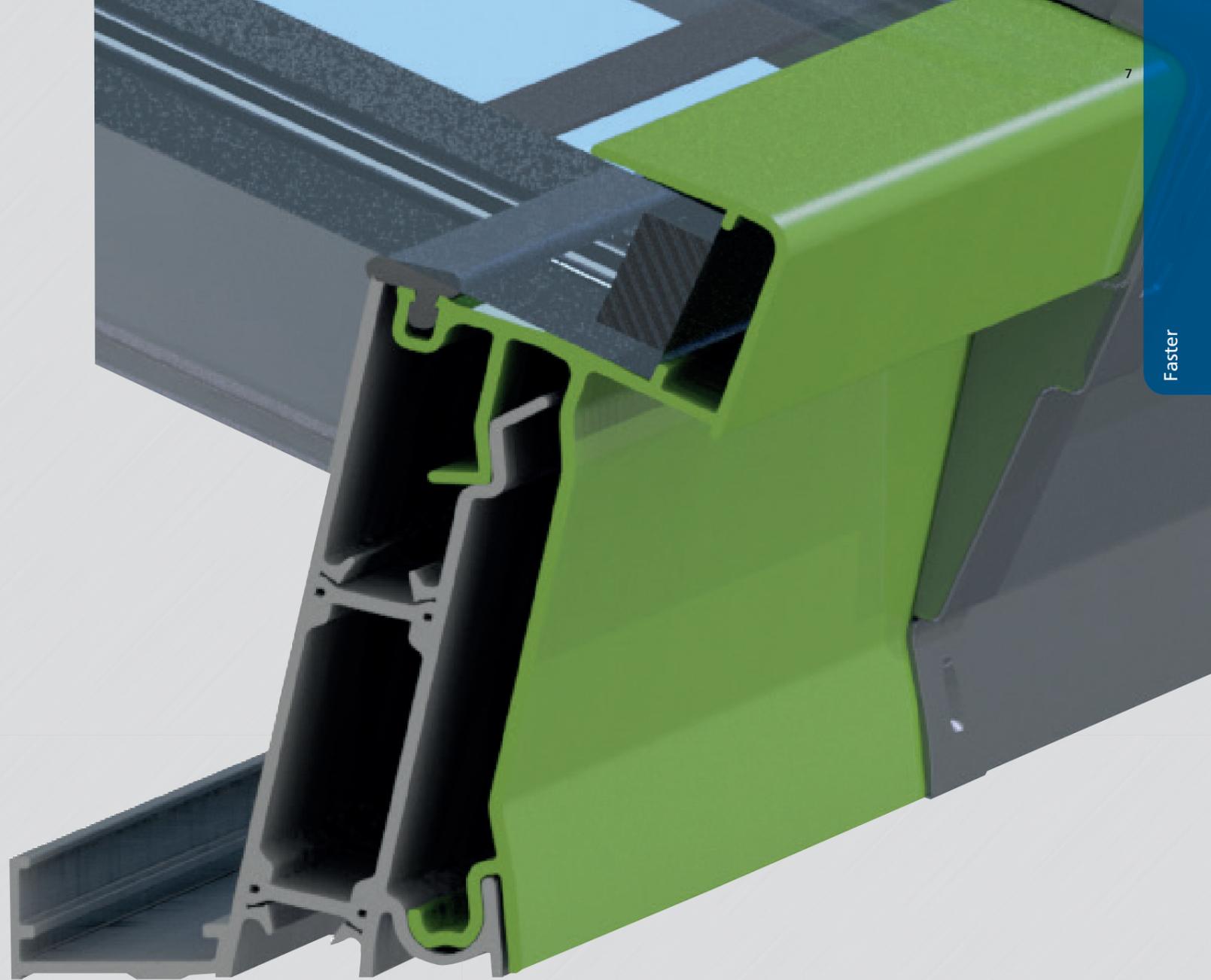
## Single Tool Assembly

A single 5mm Allen key bit is required for assembly and is included one with each lantern.



## Tapered Washers

The innovative tapered washer on our fixing bolts help ensure an accurate and stable assembly.



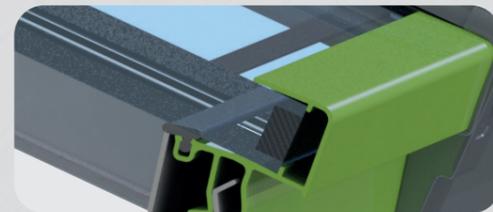
## Pre-Drilled Eaves Beam

All our eaves beams are pre-drilled and utilise a handy cable tie assembly process to simplify the fastening of the eaves beam squarely onto the roof upstand.



## One Bolt Spas

The stress has been removed out of assembling the rafters by pre-fitted diecast aluminium lugs, enabling the lantern structure to slide together and be secured by single 8mm bolts with tapered washers, ensuring correct alignment at every fixing point.



## All-in-one Glazing Retainer

Installing the glass couldn't be simpler using our all-in-one glazing retainer. The innovative design prevents slippage, covering the end of the sealed unit, plus the external portion of the eaves beam in one. This reduces the install time to a matter of seconds per unit.



## Clip Fit Caps

Finishing the installation is made even faster with our high quality cast aluminium cappings. These simply push into position on the rafter ends, spa and boss tops for a streamlined appearance with no visible fixings.

# Warmer

## 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.



### Excellent U Value

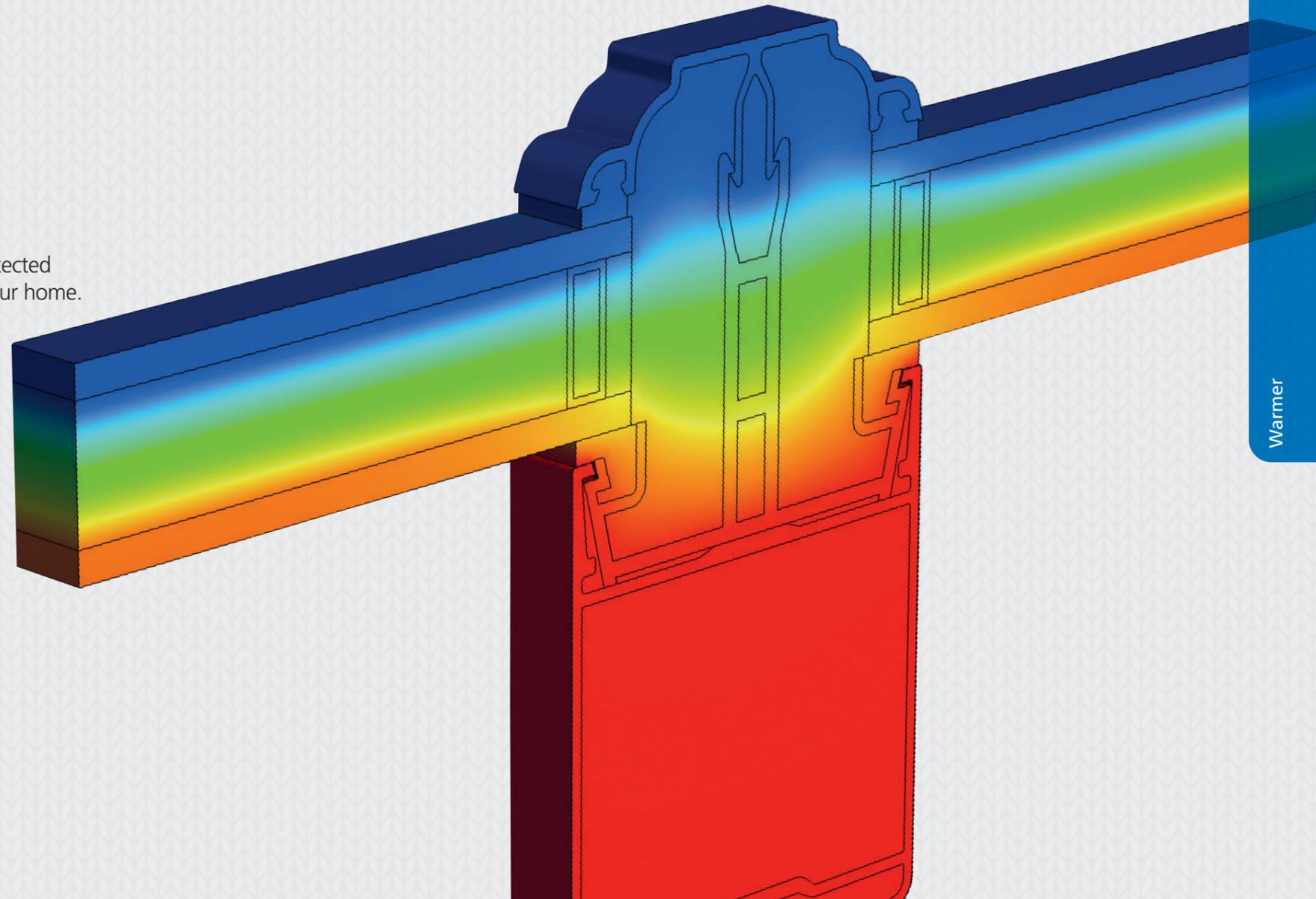
U values for the lantern range from 1.2 W/m<sup>2</sup>.K depending on selected glazing option.

(Based on a 3m x 1.5m lantern with 1.0 W/m<sup>2</sup>.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. These provide a thermal break between the exterior and the interior of the aluminium eaves beam.



### 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.



### Hi Performance Gaskets

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



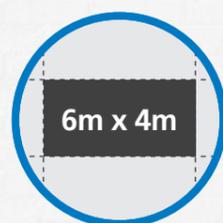
### Bespoke Silicone Seals

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

# Stronger

## Outstanding structural performance.

Every component has been designed and developed specifically for use in the lantern, enabling it to support loads of up to 3.5 kN/m<sup>2</sup>.



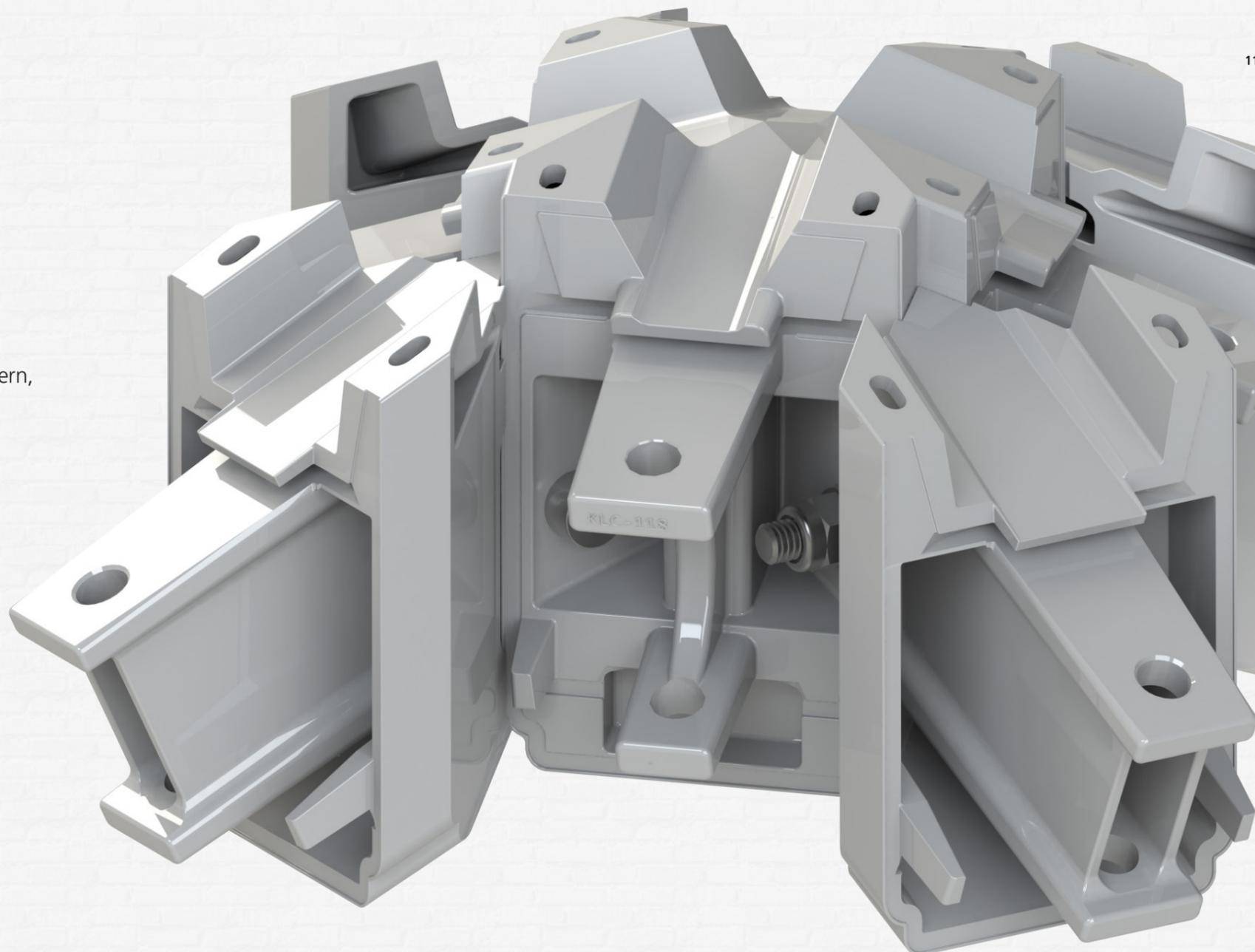
**Max. Size**  
**6m x 4m**

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



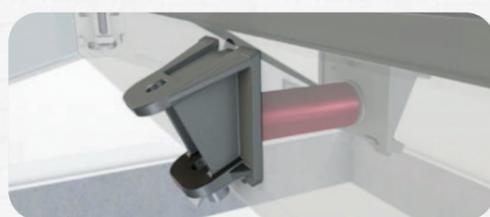
**Max. Load**  
**3.5 kN/m<sup>2</sup>**

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



### 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.



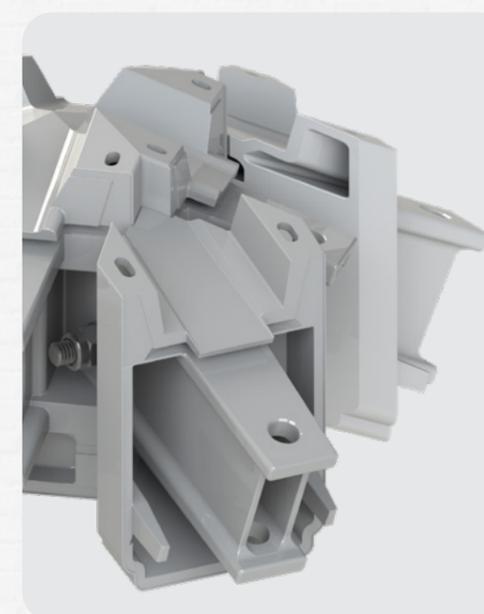
### Anti-Crush Tube

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.



### Deep Ogee Spas

Custom extruded aluminium profiles feature internal bracing, providing strong but lightweight beams for ridge, rafters and eaves. The design, however, remains elegant thanks to the depth of the profile and ogee detailing visible from below.



# Slimmer

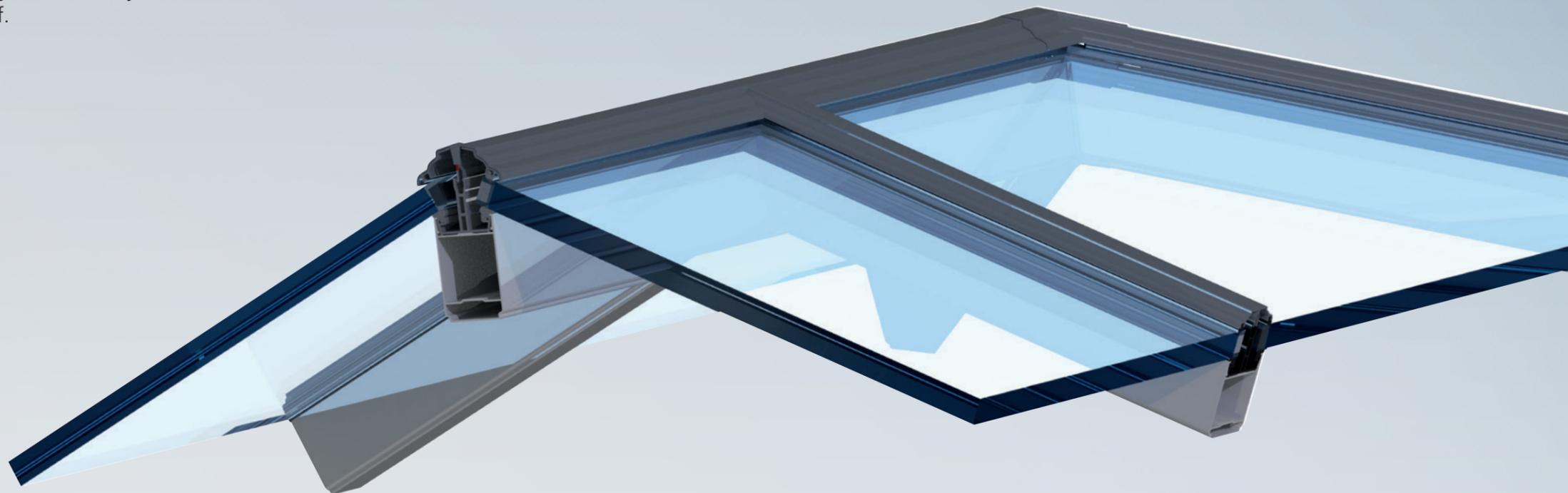
## Elegant from every angle.

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.

Please contact the Keylite technical team for help on specification.

Enquiries:

### GB

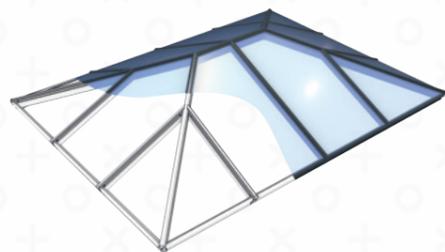
01283 200 158

info@keyliteuk.com

### NI/ROI

028 8675 8921

info@keylite.co.uk



### FRL 1510

**1500 x 1000mm**  
Height approx 358mm



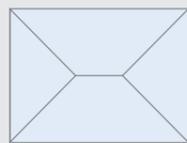
### FRL 2010

**2000 x 1000mm**  
Height approx 358mm



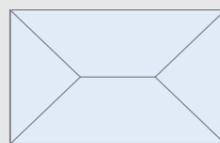
### FRL 2015

**2000 x 1500mm**  
Height approx 474mm



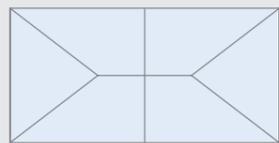
### FRL 2515

**2500 x 1500mm**  
Height approx 474mm



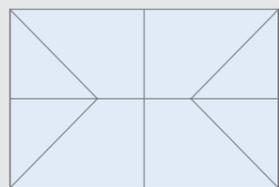
### FRL 3015

**3000 x 1500mm**  
Height approx 474mm



### FRL 3020

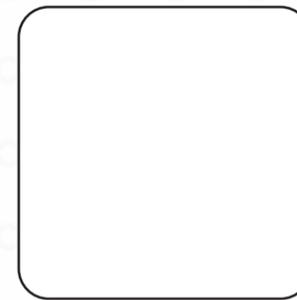
**3000 x 2000mm**  
Height approx 591mm



All sizes from external of framework.

## Colour Range

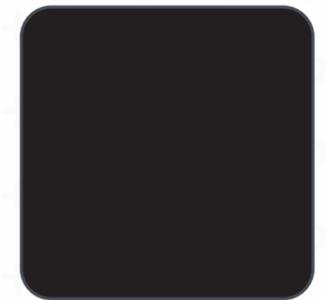
Our standard frame colours are Gloss White, Matt Grey and Matt Black. Available in any combination of inner and outer skins. We can also supply your Roof Lantern in any bespoke colour of your choice. Simply quote a RAL or BS code.



RAL9010  
GLOSS WHITE



RAL7016  
MATT GREY



RAL9005  
MATT BLACK

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 aqua, bronze, tinted, privacy or clear. U values range from 1.0 - 1.2 W/m<sup>2</sup>.K.

	Standard	Optional Upgrades			
Glass Finish	Clear	Blue	Aqua	Sunshade Blue	Bronze
U-Value	1.2 W/m <sup>2</sup> .K	1.2 W/m <sup>2</sup> .K	1.0 W/m <sup>2</sup> .K	1.0 W/m <sup>2</sup> .K	1.2 W/m <sup>2</sup> .K
Solar Heat Reflection	42%	60%	82%	82%	55%
Light Transmission	78%	47%	30%	25%	38%
Self Cleaning	Yes	Yes	Yes	Yes	Yes

Colours shown are for visual purposes only and are not an accurate representation of glazing colours.

# How to Order

Ordering a Keylite Roof Lantern couldn't be easier.

Choose from one of the following two simple options:

## Standard Sizes



### Builders' Merchant

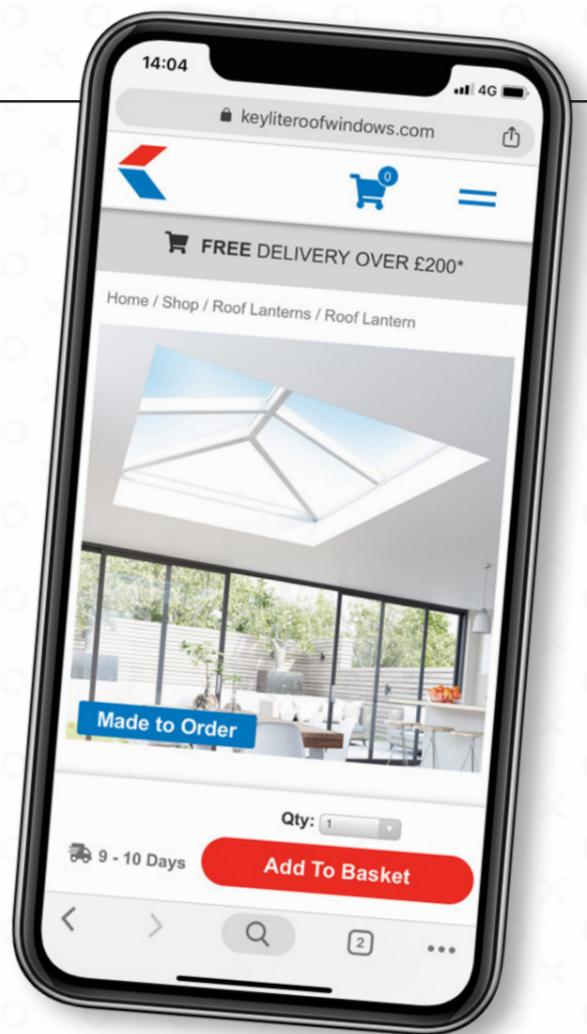
Speak to your local Builders' Merchant about ordering a Keylite Roof Lantern.



### Keylite Online Merchant Partnership E-commerce

Order through Keylite's Online Merchant Partnership E-commerce site:

[keyliterateofwindows.com](http://keyliterateofwindows.com)



## Non-Standard / Bespoke Sizes

### Request a Quote

Simply complete the 'Request a Quote' form on [keyliterateofwindows.com](http://keyliterateofwindows.com) to get a free quotation for our Roof Lantern.

A member of our highly experienced sales team will get in contact with you to discuss the best possible solution for your project.

All information submitted with this form will be dealt with in accordance with our Privacy Policy.

**Request A Quote**

Please fill in the form below to get a free quote regarding our Roof Lanterns. Our highly experienced sales team will get in contact with you, to discuss the best possible solution for your project.

All information submitted with this form will be dealt with in accordance of our [Privacy Policy](#).

Name  Phone

Email  Where are you from?

County

Bespoke Size Required (WxL)  Quantity Required

Comments

I wish to receive promotional material and offers from Keylite

Alternatively, you can call or email our office for further details before ordering:



**GB orders:**  
01283 200 158 / [info@keyliteuk.com](mailto:info@keyliteuk.com)

**NI/ROI orders:**  
028 8675 8921 / [info@keylite.co.uk](mailto:info@keylite.co.uk)

# Technical Support

## Keylite Roof Lantern Installation Guide

For assistance installing a Keylite Roof Lantern, you can download a copy of our step-by-step installation guide. Please visit [keyliterateofwindows.com/help-centre/brochure-downloads](http://keyliterateofwindows.com/help-centre/brochure-downloads)



## Keylite Roof Lantern Installation Video

For assistance installing a Keylite Roof Lantern, you can watch the step-by-step installation video. Please visit the official Keylite YouTube channel [www.youtube.com/user/KeyliteUK](http://www.youtube.com/user/KeyliteUK)



## Upstand Guide

For assistance installing a Keylite Roof Lantern upstand, you can download a copy of our upstand surveying guide. Please visit [keyliterateofwindows.com/help-centre/brochure-downloads/](http://keyliterateofwindows.com/help-centre/brochure-downloads/)


keyliterateofwindows.com

## Roof Lantern Surveying Guide

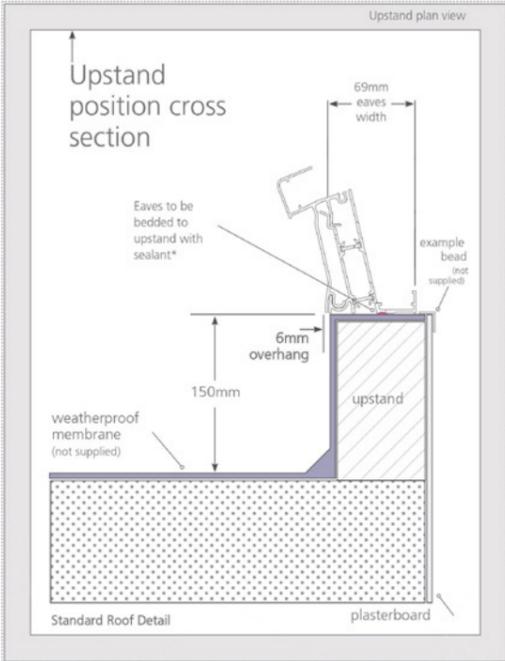
- When specifying the dimensions of your lantern, you should provide the external dimensions of your upstand **and** the fitted water proof membrane
- We also recommend that you increase the size of the Lantern by 12mm in both length and width which will give you 6mm overhang all round

**Example:**  
 Upstand (inc Membrane): 1840 x 1220mm  
 Overhang: 12mm x 12mm  
 Roof Size: 1852 x 1232

- Upstand **must** be a minimum of 69mm wide (width of lantern eaves beam), level and square.

It is the responsibility of the installer to determine the finishing detail of the inside.

Upstand plan view



\*Sealant to be applied to the underside of the eaves as per installation guide instructions only

24mm glazing    25 degree fixed pitch

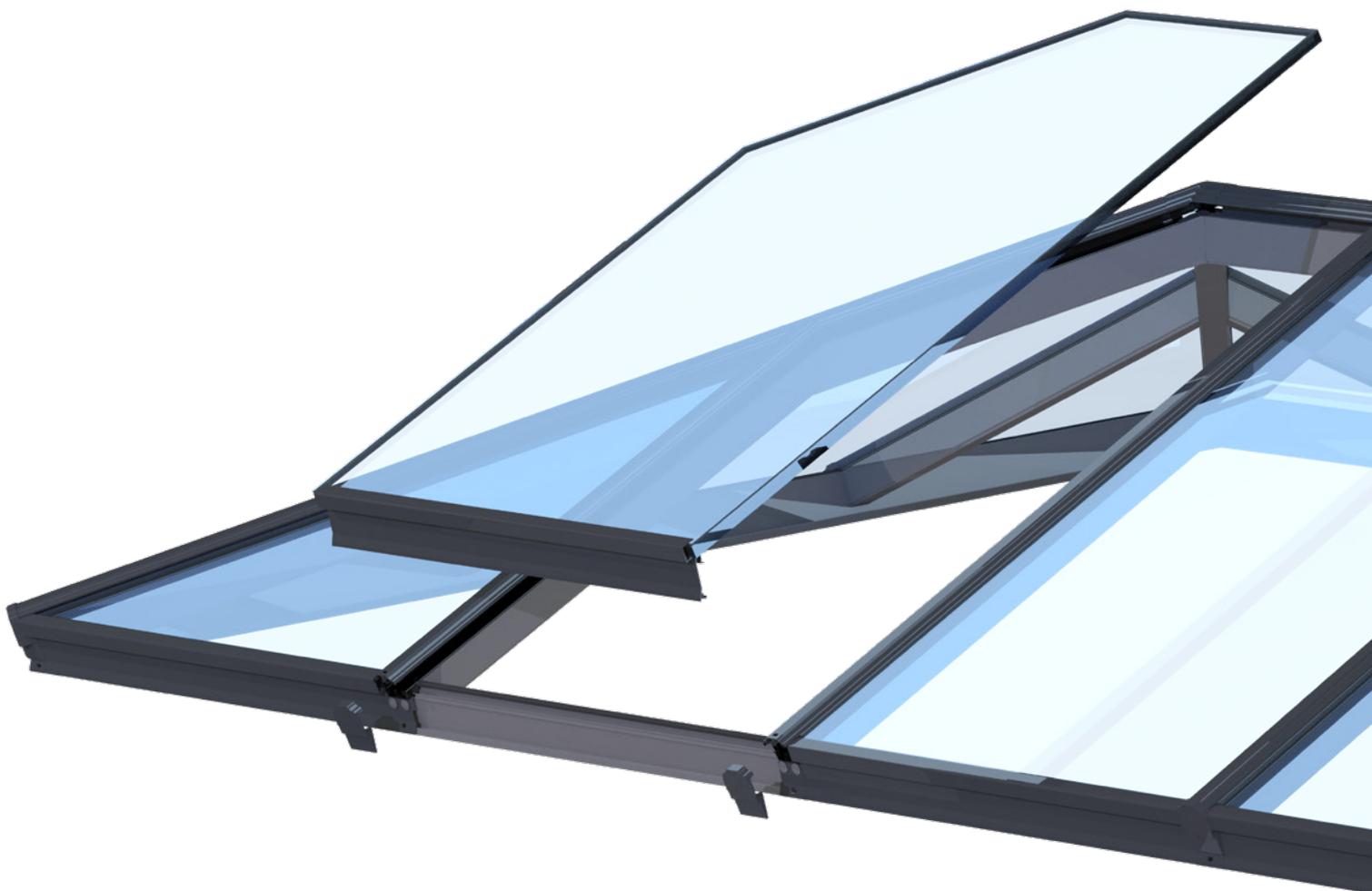


Roof Lantern Installation Guide

Download the installation guide from [keyliterateofwindows.com](http://keyliterateofwindows.com)

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