



BUILDING REGULATIONS (ENGLAND) APPROVED DOCUMENT L

ATLAS
Aluminium

INSTALL WITH CONFIDENCE.



In the shift towards a Future Buildings Standard, the Government has introduced a range of changes to the Building Regulations, including a mandatory 30 per cent cut in carbon for all new homes and a 27 per cent cut for other buildings, including offices and shops[†].

With the impact of climate change and the increase in urbanisation, we now not only need to ensure the homes of the UK are warm, energy efficient and provide exceptional thermal performance, but that they are also well ventilated for cleaner, cooler air.

Changes to Part L of the Building Regulations in England are coming into play on the 15th June 2022, to ensure all new and renovation projects are on-spec for thermal efficiency, energy efficiency and ventilation capability.

[†]Source: RIBA J. ribaj.com / January 2022



WHAT THIS MEANS TO YOU, THE INSTALLER.

The information we have provided within this document will help you understand what is required to be compliant with the new Regulations.



Approved Document L will outline the criteria required for domestic, non-domestic, new-build and renovation project buildings. Part L focuses on the energy efficiency levels and the thermal performance of the building, set to reduce the impact on fuel usage. Therefore, when installing windows, doors and rooflights, you will need to ensure they are approved to the new specifications.

Our products and systems are obviously key to the compliance of these new Regulations, so if you have any queries regarding design, our products, or even the Regulations themselves, our Customer Services, Sales or Technical Teams are always here to help and support you.

WHAT WE'VE DONE TO MEET THE NEW REGULATIONS.

CONSERVING ENERGY (PART L)

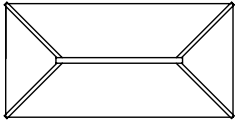
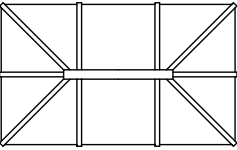
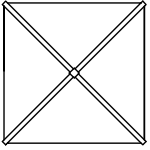
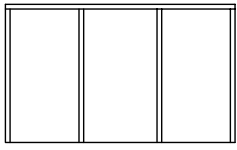
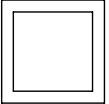
At Atlas, we are proud to be a responsible manufacturer. That means we take changes in Regulations seriously – to ensure we're compliant, you're compliant and your customers enjoy products that meet the current standards. Our thermally broken aluminium profiles are manufactured using the highest quality materials but it's important to understand how glazing can make a significant difference to how the completed system performs.

Our completed glazing roofing systems can exceed U values set out in the new standards. We have created the following table to help you identify the minimum glass specification required to ensure your completed product is compliant.

It's also worth noting that the New Part L Regulations for New build and renovation properties focuses on U values and energy ratings don't apply to rooflights.

Newbuild and Replacement 'U' Values

Rooflight Part L

REQUIREMENT	ROOF TYPE	DESCRIPTION	MINIMUM GLASS UNIT CENTRE PANE U VALUE REQUIRED TO MEET STANDARDS
'U' roof value 2.2 W/m ² K*		Contemporary Lantern	1.2 W/m ² K
		Regular Lantern	1.2 W/m ² K
		Square Lantern	1.2 W/m ² K
		Lean To / Bespoke	1.2 W/m ² K
		Flat Rooflight	1.0 W/m ² K

* Part L states U value requirement is in the horizontal position for rooflights. For purposes for calculation on heat losses from buildings, U values of rooflights should take into consideration the plane they are installed see Table 1.1 Part L

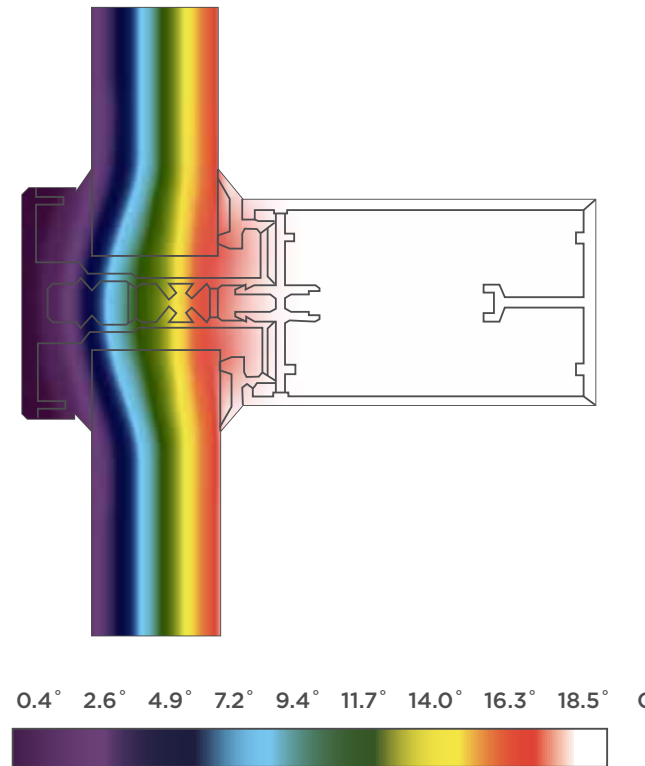
Using triple glazing the Atlas lantern can achieve U roof values exceeding the 1.7W/m²k for new build using the Notional method, as low as 1.1W/m²k in the horizontal plane with a 25 degree pitch.

Note: 'U' values may vary due to size and layout of rafters. Please contact the Atlas team for 'U' values on your specific design.

THE ULTIMATE ROOF LANTERN

THE ULTIMATE ROOF LANTERN

- Regular models available with upgrade to 44mm triple glazing
- Ridge/rafter "U" values improve to 0.95 W/m²K
- Triple glazing "U" value as low as 0.5 W/m²K
- Leading U Values available on the market for triple glazed roof systems





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