



Rooflights

Daylighting Systems

The Alumasc Rooflight range comprises modular domed units, continuous barrels, monopitch glazing and bespoke structural glazing, canopies and lanterns.

All systems are based on lightweight polycarbonate and are available with a wide choice of features, including opening sections, access hatches, security bars and ventilation, each with a number of glazing options.



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Rooftlights

Daylighting Systems

Alumasc's Rooflight Systems offer a full range of daylighting options, all of which are fully compliant with Building Regulation requirements, including thermal performance and Health and Safety legislation.

Modular rooflights are available in a range of sizes and shapes, whilst continuous barrels, monopitch glazing, structural glazing and lanterns are designed and manufactured in accordance with site specific dimensions and functions.

Modular Rooflights

Standard square, rectangular or circular units in a range of sizes, with optional opening feature, security bars and trickle ventilation. Double or triple skinned clear, opal, diffused or bronze-tinted polycarbonate is available, with fully insulated steel, aluminium or PVCu kerbs. Also available as roof access hatches.

Continuous Barrel Rooflights

Continuous rooflighting with optional opening sections, in double or triple skinned clear, opal, diffused or bronze-tinted polycarbonate, with polyester powder coated aluminium glazing frames.

Monopitch Glazing

Bespoke multi-link glazing with optional opening sections, in double or triple skinned clear, opal, diffused or bronze-tinted polycarbonate, with optional integral steel rod security feature, and polyester powder coated aluminium glazing frames.

Structural Glazing, Canopies and Lanterns

Unlimited daylight space or covered walkway design is possible with this versatile range of made-to-measure glazing systems.

Features and Benefits

Daylighting Provision

Rooftighting is a practical and economical way of providing high levels of natural daylight to commercial, industrial, educational, residential, health and leisure facilities. It provides widely acknowledged benefits such as enhanced health and well-being, improved learning environments and productivity, energy saving through passive solar gain and reduced artificial lighting requirements. The Building Regulations recommend a notional 20% rooflight area (minimum of 10%) in industrial and commercial buildings.

Light Transmission

Polycarbonate glazing enables high levels of light transmission, ranging from 50% for opal and bronze-tinted glazing to more than 80% for clear and diffused units.

Thermal Properties

Double and triple skinned polycarbonate rooflights comply with parts L1 and L2 (Conservation of Fuel and Power) of the Building Regulations and also reduce the possibility of condensation.

Non-Fragility

Alumasc Rooflights are impact resistance tested by the BRE for non-fragility and comply with the requirements of HSG33 (Health and Safety in Roof Work).

Glazing Options

Units are supplied as standard with HSE compliant double or triple skinned polycarbonate, but are also available with toughened outer glass and laminated inner glass with an optionally argon filled airspace for noise reduction.

Curb Options

A range of curb heights is available, with built-in trickle or hit and miss ventilation options, and polyester powder coated finishes.

Fire Ratings

Alumasc polycarbonate rooflights are fire rated F.AA to BS 476: Part 3, and Class 1 to BS 476: Part 7.

Supply and Fix

A full design, supply and fix service is available for the non-modular ranges, ensuring professional installation standards.

New or Refurbishment Applications

The range is equally suitable for both new build and re-roofing applications. Specialist adaptor curbs are available to secure new rooflights to existing curbs or upstands.

Approvals

Modular and barrel rooflights are BBA certified, and all products are CE marked.

Warranties

Alumasc Rooflights can be warranted for up to 20 years.





Modular Rooflights

- Fully insulated PVCu, steel or aluminium curbs
- Full range of sizes, from 600 x 600mm to 1800 x 1800mm
- Double or triple skinned polycarbonate
- Clear, opal, diffused or bronze-tinted glazing
- Square, rectangular, circular or pyramidal shapes
- Range of curb heights
- Polyester powder coated curbs
- BBA Certified
- F.AA fire rated to BS 476: Part 3

Optional features:

- Trickle or hit and miss ventilation
- Manual or electrical opening units
- Roof access hatch with gas sprung openers
- Smoke ventilation
- Integral security bars
- Adaptor curbs for refurbishment projects

Continuous Barrel Rooflights

- Up to 2.4 metres in width
- Indefinite length in 1m modules
- Double or triple skinned polycarbonate
- Clear, opal, diffused or bronze-tinted glazing
- Polyester powder coated glazing bars
- BBA Certified
- F.AA fire rated to BS 476: Part 3
- For installation onto waterproofed builder's curbs

Optional features:

- Supply and fix service
- Trickle or hit and miss ventilation
- Opening sections
- Separate security bars



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Monopitch Glazing

- Modern alternative to patent glazing
- Quick and easy to install
- Suitable for 15°-75° pitch
- 0.6-6.0m unsupported width
- Up to 6m in length
- 16 or 25mm multi-wall polycarbonate
- Clear, opal, diffused or bronze-tinted glazing
- Multi-link, site-assembled or prefabricated units
- Polyester powder coated glazing bars
- For installation onto waterproofed builder's curbs
- Class 1 fire rated to BS 476: Part 7

Optional features:

- Manual or electrical opening sections
- Integral security bars
- Duopitch units (30° pitch) with gable or hip ends

Structural Glazing

- Unlimited variety of shapes and sizes
- Custom design service
- Suitable for space glazing, canopies and walkways
- Double or triple skinned polycarbonate
- Clear, opal, diffused or bronze-tinted glazing
- Polyester powder coated glazing bars
- Class 1 fire rated to BS 476: Part 7
- Compatible with Alumasc Rainwater Systems
- Supply and fix service

Optional features:

- Opening mechanisms
- Ventilation
- Side panels
- Structural supports
- Purpose made continuous lantern lights