

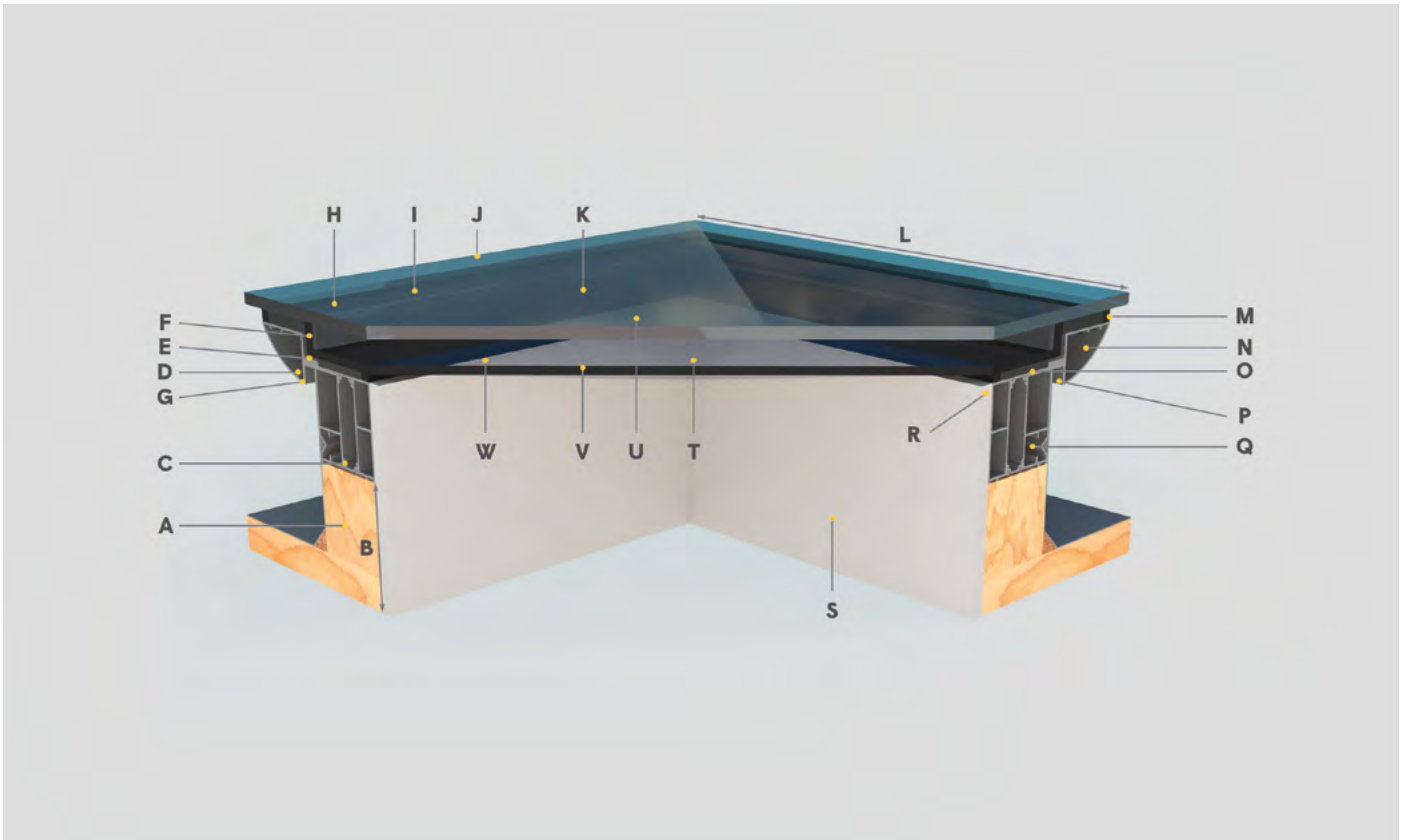
Blade Technical Specifications

The Blade is probably the most technically advanced rooflight available in the industry.

The Blade rooflight looks beautiful on the outside and is superbly specified on the inside. Here we give you the full technical specification of the Blade roof window system.

- Double-A double glazing with argon gas or Triple-K triple glazing with krypton gas.
- All glazing meets and exceeds current building regulation heat loss requirements.
- Aluminium section 6063 T6 alloy.
- 60 microns or more coastal powder coating paint thickness.
- Frame paint in 6 standard RAL colours: Black 9005, Anthracite 7016, Grey Aluminium 9007, Silver Aluminium 9006, Grey 7001, White 9016 or specify RAL colour of your choice.
- Glazing options — solar control, acoustic, security, super clear low-iron.
- Glass tint colours — clear, bronze, green, blue, grey, satin privacy.
- Painted border colour options - standard, RAL Black 9005, Anthracite 7016, Grey 7001, White 9016.
- Up to 10mm toughened outer pane as standard.
- As low as 0.4 centre pane U-Value.
- As low as 0.8 full system overall U-d Value.
- 12.8 mm toughened laminated inner pane option.
- Dow Corning two part structural silicone.
- 3M structural glazing tape tested and approved for Ofset by 3M.
- Fully structurally designed to comply with applicable design codes.
- Full wind load and snow load calculations.
- Designed to be used at heights below 300 metres mean sea level.
- SCIA finite element modelling.
- Frame and glass calculations to EN ISO 10077-2.
- Ug calculations to EN 673.
- Window calculations to EN ISO 10077-1.
- Glazed units manufactured to BS EN 1279.
- Toughened safety glass manufactured to BS EN 12150.
- Heat soaked toughened manufactured to BS EN 14179.

Double-A Blade Specification



A – fully insulated kerb

B – minimum kerb height 50mm

C – polyamide thermal breaks

D – curved outer profile

E – 3M VHB structural glazing tapes

F – warm edge, silicone sealed units

G – lift from here

H – easy clean coating

I – up to 10mm toughened top pane

J – polished glass edges

K – heat soak tested glass

L – external measurements from here

M – Dow Corning 121 structural silicone

N – 60 microns paint thickness

O – filler tapes

P – roof membrane pocket

Q – concealed Screw ports

R – plaster edge trim by client

S – plasterboard and skim

T – soft coat low-e coatings

U – centre pane u-value 1.0 w/m²k

V – 6mm toughened or 12.8mm toughened/laminated glass

W – argon gas filled cavities

Triple-K Blade Specification



X – centre pane u-value 0.4 w/m²k

Y – 6mm toughened or 8.8mm toughened/laminated glass

Z – triple glazed with krypton gas

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