

## **Roofglaze Rooflights Ltd**

Tel: 01480 474797

To be read with Preliminaries / General Conditions.

### **PRELIMINARY INFORMATION / REQUIREMENTS**

Site dimensions must be taken and agreed to prior to the commencement of fabrication of the Rooflight Frames. All information should be read in conjunction with the approved drawings, specs and quotation.

### **COMPONENTS**

#### ALUMINIUM ROOFLIGHTS:

- A self-supported system, for applications in commercial or residential buildings.
- The system is installed to a builder's kerb, finished by roofing membrane. Recommended minimum pitch is 5° to help shed water but can be installed almost flat. The maximum recommended pitch is 70°. Max pitch without a head flashing 25°.
- Max. span down slope of 3.2m as standard. Over 2.5m reinforced glazing bars required.
- Double or triple glazed hermetically sealed glass, UV resistant silicone seal. Optional painted or sandblasted perimeter border available upon request. Painted border not available on annealed glass.
- Frames are manufactured from extruded aluminium section to EN 12020-1:2001.
- Expanding Foam Tape Thermal Break makes it fully thermally broken and thermally efficient.
- Weather tested to CWCT A4 Air Permeability & R7 Watertightness at Peak Pressure 600 pa.
- Tested for non-fragility to CWCT TN66/67 & TN92 Class 1 or Class 2.
- Polyester Powder Coated aluminium to BS EN 12206-1:2004.
- BS 476 - External Fire – AA, Non-Combustibility – Class O, Surface Spread Class 1.
- **15 Year warranty.**

#### PRODUCT

- Type: **Circular Fixed Multi-Pane Flatglass**
- A technical drawing of this product is available from:  
<https://www.roofglaze.co.uk/resources/product-drawings/>

Frame: Extruded aluminium section to BS1474, EN 12020-1:2001.

Kerb: Recommended 150mm high, minimum 75mm wide excluding finishes but designed by others.

- Manufacturer:

ROOFGLAZE ROOFLIGHTS LTD  
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St Neots, Cambridgeshire  
PE19 8ET  
Tel: 01480 474797  
Web: [www.roofglaze.co.uk](http://www.roofglaze.co.uk)  
E-mail: [info@roofglaze.co.uk](mailto:info@roofglaze.co.uk)

Dirt Resistant coatings - Pilkington Activ Self Cleaning – requires 15° kerb pitch or greater  
All pitches Ritec ClearShield easy clean coating

Solar Control Options - SGG COOL-LITE SKN solar control range or similar approved  
Body Tint Anti-sun - Pilkington Optifloat Tint range or similar approved



- Thermal Performance:

Double glazed total product U-value = 1.5 W/m<sup>2</sup>.K but as low as 0.7 W/m<sup>2</sup>.K to special order  
Triple glazed total product U-value = 1.1 W/m<sup>2</sup>.K but as low as 0.5 W/m<sup>2</sup>.K to special order  
*Area weighted u-values based upon a typical 1m x 2m unit*

- Service:

Roofglaze Rooflights can also provide a design and specification service and it is recommended that they are consulted early in the design process.

Roofglaze Rooflights would always recommend that a Flatglass unit should be installed to a minimum pitch of 5°, up to 2.0m span (down slope) and at a min. 10° over 2.0m span. This is to help facilitate water run-off thus reducing water ponding and to help alleviate the build-up of silt deposits. This is also required so that the unit drains properly.

### Circular Fixed Multi-Pane Flatglass

#### Type 1

- Manufacturer: Roofglaze Rooflights Ltd
  - Web: [www.roofglaze.co.uk](http://www.roofglaze.co.uk)
  - Tel: +44 (0)1480 474797
  - Product reference: Circular Fixed Multi-Pane Flatglass
- Type: **Circular Multi Pane**
  - Size: (Max. size down slope 3.2m) As drawing:
- Frame finish: Standard Marine Grade Polyester Powder Coated RAL: Colour T.B.C.
- Glazing:
  - Outer pane: 4mm 6mm 8mm 10mm 12mm heat soak tested toughened glass
  - Cavity: 24mm 20mm 16mm 14mm 90% argon filled, silicone bonded + warm edge spacer
  - Inner pane: 4mm 6mm 8mm heat soak tested toughened 6.8mm 8.8mm 10.8mm 13.5mm annealed laminated heat strengthened laminated
  - Soft Low-E coating: Always required to meet or exceed AD Part L target u-values
  - Additional requirements / options: Detailed site survey required prior to manufacture.  
Min. 150mm high x 75mm thick structurally sound kerb not by Roofglaze Rooflights.  
Flashing of kerb, not by Roofglaze Rooflights.  
Rooflight to comprise XNo. glazed sections bolted together and sealed on site.  
Interlocking intermediate glazing bars.  
Spans up to 3.2m down the slope as standard.  
Up to 2.5m span = 2 No. back to back interlocking central glazing bars.  
Up to 2.5m span = 2 No. back to back angle central glazing bars.  
2.5m to 3.2m span = 2 No. back to back interlocking central glazing bar + Steel.  
2.5m to 3.2m span = 2 No. back to back angle central glazing bar + Steel.  
White uPVC shroud to cover internal glazing bars (Other colours available upon request).  
Obscure glazing available, sandblast all over, coloured PVB interlayer or satin glass.  
Body tint glass grey, blue, bronze or green.  
Ritec ClearShield easy clean coating.  
Active self-cleaning glass, minimum pitch 15°.  
Triple glazed.  
PVB laminate/ SGP laminate.  
Acoustic laminated glass.  
Coloured laminated glass.  
Improved U-values with super Low-E coating.  
Extension to frame to accommodate larger specialist glass specs.



Low iron glass.  
Heat strengthened laminate.

#### More about Circular Fixed Multi-Pane Flatglass:

- A self-supported rooflight for applications in commercial and residential buildings.
- Building Regulations (E&W) Approved Document L compliant design to achieve low U-value targets.
- Silicone jointed glazing for a flush outer surface.
- Designed to be installed to a weathered builder's kerb, minimum 5° pitch.
- AA fire rated: AA designation (National Class) designation or Broof(t4) (European class)
- Non-fragile to ACR[M]:001 Class B and with laminated glass CWCT TN67 class 2.
- Double or triple glazed units can be contained within a single frame to cater for a wide range of sizes.
- Elliptical, circular and irregular shaped rooflights are also available.
- Designed to standard loadings of 640 N/m<sup>2</sup> (snow) and 750 N/m<sup>2</sup> (wind) and in accordance with the following British Standards:
  - BS 6375-1: Weather tightness.
  - BS EN 1026: Air permeability.
  - BS EN 1027: Water tightness test.
  - BS EN 12211: Wind resistance test.
  - BS EN 12206-1:2004 Polyester Powder Coated aluminium.
- Aluminium frame weight = 3.22 kg/m.
- **15 Year warranty.**