Flat Glass

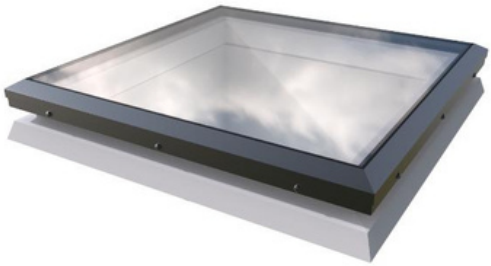
NBS156

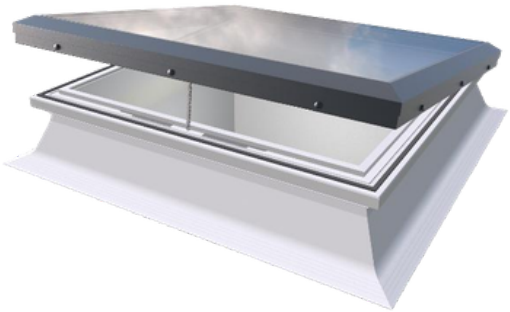
Brightside Skylights Flat Glass
NBS Specification

Consult Brightside Skylights early in the design process as we can provide in- depth assistance with design and specification.

Brightside Skylights Flat Glass is a premium flat glass rooflight intended for installation on flat roofs of all modern building types to provide natural light (and ventilation where specified).

The double-glazed glass panel is encased in a powder coated aluminium frame, providing a sleek product from every angle. Classified non-fragile to CWCT TN67 for class 1 roofs** (for sizes up to 1200x1200 or 2000x1000) and CWCT TN-67 for class 2 roofs** (for all sizes above 1200x1200 or 2000x1000) and Class B to ACR[M]001 for all sizes, it provides a safe rooflight choice. The product achieves a U_r-Value of 1.46 – 1.83 W/m^{2}K, better than the limiting values currently set out in English building regulations.





- Flush glass premium rooflight.
- Tested to be non-fragile to CWCT TN-67 (for class 1 roofs)* and Class B non-fragile to ACR[M]001.**
- Available as fixed units or supplied with manual or mains powered opening.
- All Fixed rooflights are Secured by Design accredited as standard
- Components of powered opening rooflights (230V) are completely concealed for an unobstructed light well.
- Extensive options to satisfy requirements for ventilation.
- For ease of installation when supplied with PVC kerb, the tapered kerb foot does not require timber fillets and an integral clamp holds the roofing membrane or felt in place.

**Sizes over 1200x1200 or 2000x1000 tested to CWCT TN67 for Class 2 roofs*

***When new and fully installed to Brightside Skylights installation guides*

Consult Brightside Skylights technical literature for further details.

Full NBS Specification clause on Page 2 and 3

Brightside Skylights operates a policy of continuous product improvement, and reserves the right to alter specifications at any time without notice. Every effort has been taken to ensure all details contained in this document are correct at the time of going to press but this document should be used only as a guide and does not in any way form part of a contract or warranty. It is the customer's responsibility to ensure that the product is suitable for the actual conditions of use, which are beyond the control of Brightside Skylights.

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Manufacturer:

Brightside Skylights, Unit 24 Swallow Road, Coventry, CV6 4PU
Tel: 024 7759 1126
Email: support@brightsideskylights.co.uk **Web:** www.brightsideskylights.co.uk

Product ref:

Brightside Skylights Flat Glass rooflight

Type:

Sleek, contemporary aesthetics inside and out:

Double-Glazed flat glass (6mm toughened outer – 90% Argon filled cavity – laminated inner including PVB interlayer). NB – the inner pane thickness varies with size. All units include a soft coat Low E coating

Ventilation options:
None / Trickle Vent (8400mm^2 per rooflight)
Opening options:
Fixed (Secured by Design) / Manual Linear Drive (MLD) / Powered Chain Drive (PCD)

Size:

Rooflight size in mm equals roof opening size when supplied with kerb or overall external dimension of builders upstand if not supplied with Brightside Skylights kerb (some sizes not available with kerbs or opening units. Consult Brightside Skylights for details):
600x600 / 600x750 / 600x900 / 600x1050 / 600x1200 / 600x1350 / 600x1500 / 600x1650 / 600x1800 / 750x750 / 750x900 / 750x1050 / 750x1200 / 750x1350 / 750x1500 / 750x1650 / 750x1800 / 750x1950 / 900x900 / 900x1050 / 900x1200 / 900x1350 / 900x1500/ 900x1650 / 900x1800 / 900x1950 / 900x2100 / 1000x1000/ 1050x1050 / 1050x1200 / 1050x1350 / 1050x1500 / 1050x1650 / 1050x1800 / 1050x1950 / 1050x2100 / 1050x2250 / 1050x2400 / 1050x2550 / 1050x2700 / 1050x2850 / 1050x3000 / 1050x3150 / 1200x1200 / 1200x1350 / 1200x1500 / 1200x1650 / 1200x1800 / 1200x1950 / 1200x2100 / 1200x2250 / 1200x2400 / 1200x2550 / 1200x2700 / 1200x2850 / 1200x3000 / 1200x3150 / 1200x3300 / 1200x3450 / 1350x1350 / 1350x1500 / 1350x1650 / 1350x1800 / 1350x1950 / 1350x2100 / 1350x2250 / 1350x2400 / 1350x2550 / 1350x2700 / 1350x2850 / 1350x3000 / 1350x3150 / 1350x3300 / 1350x3450 / 1500x1500 / 1500x1650 / 1500x1800 / 1500x1950 / 1500x2100 / 1500x2250 / 1500x2400 / 1500x2550 / 1500x2700 / 1500x2850 / 1500x3000 / 1500x3150 / 1500x3300 / 1500x3450 / 1500x3600 / 1650x1650 / 1650x1800 / 1650x1950 / 1650x2100 / 1650x2250 / 1650x2400 / 1650x2550 / 1650x2700 / 1650x2850 / 1650x3000 / 1650x3150 / 1650x3300 / 1650x3450 / 1650x3600 / 1800x1800 / 1800x1950 / 1950x1950. Non-standard sizes also available (...mm x...mm roof opening).

Frame:

Aluminium Powder Coated RAL 7016 grey / RAL 9005 black
Thermally isolated rooflight assembly minimises the risk of condensation.

Kerb:

Rigid Multiwall PVC kerb, designed to fit directly to roof structural element (by others), incorporating integrated roof covering clamp for ease of installation:

Direct Fix (DF) kerb (PVC kerb applied to existing builders upstand for ventilated or opening options) / Standard kerb (maximum roof covering termination height of 150mm) / Tall kerb (maximum roof covering termination height of 300mm) / Rooflight only option for fitting direct to existing Builders Upstand.

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Glazing Details:

Double-Glazed flat glass (6mm toughened outer –(90%) Argon filled spacer – 6.8mm / 7.5mm / 9.5mm / 11.5mm laminated inner (depending on size)
Light transmission: 77% - 79% / Light Reflection: 12%
Glass is designated Class A to EN13501 part 1, as it is included in the list of CWFT (classified without further test) materials published in the Official Journal of the EU (see European Commission Decision 96/603/EC).
These rooflights are glazed with a 6mm toughened outer pane and can therefore be regarded as having a B_{ROOF}(t4) classification as per English building regulations.

Other Requirements:

10 year commercial products warranty available.
Acoustic Pack available for increased noise insulation.
Security Grille available for increased security.
BBA Approval (certificate number 06/4385)

Fixing:

In accordance with Brightside Skylights' fixing recommendations.

Fixings included to attach kerb to timber deck, or frame to builder's upstand, depending on option selected.

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