



Technical Data Sheet

V.07-2019

Skyway Access Rooflights

- ▶ A multi-purpose daylight, ventilation and effortless roof terrace access solution

Key Features & Benefits

- ▶ 15 year warranty*
- ▶ Powered by two synchronised 24v DC folding arm motors providing 2000N opening, closing and locking force
- ▶ The motors are completely concealed within the lower glazing frame when closed and are controlled by a 6-amp transformer control panel (220-240v AC input, with 24v DC output)
- ▶ Excellent thermal performance, achieving system U-values as low as 0.6 W/m².K, with super Low-E coating and specialist glass
- ▶ Designed to be installed on roof pitches from 1°
- ▶ Sleek, minimalist framework that integrates seamlessly with the building's architecture
- ▶ More daylight = less artificial light = energy savings
- ▶ BIM Objects
- ▶ NBS Specification document
- ▶ Product CAD drawings
- ▶ Install guides
- ▶ Wiring guides
- ▶ Set up instructions
- ▶ More daylight leads to enhanced well-being

Frame Specification

- ▶ The Skyway Flatglass rooflight frame is manufactured from extruded aluminium section to BS 1474, EN 12020-1:2001
 - ▶ Polyamide thermal break to BS EN ISO 16396-2:2017 within the glazing frame makes it fully thermally-broken and extremely thermally-efficient
 - ▶ Polyester Powder Coated Aluminium to BS EN 12206-1:2004
 - ▶ RAL Colour: Anthracite Grey (RAL 7016) frames
 - ▶ White (RAL 9010) and Black (RAL 9005) frames are also available as standard
 - ▶ Bespoke RAL colour options available

Glass Specification

Double Glazed - Standard:

Outer: 4mm or 6mm Clear Heat Soak

Tested Toughened glass

Cavity: 24mm or 20mm Argon filled with

Swisspacer warm edge spacer silicone

bonded for a UV resistant edge seal

Inner: 4mm or 6mm Clear Heat Soak

Tested Toughened glass with Soft

Low-E coating to cavity face

Product Testing & Certification

- ▶ Weathertightness: CWCT Class A4 Air leakage, Resistance to Wind Class E2400 Pa and Watertightness Class R7
- ▶ Non-fragility: CWCT TN66/67 and TN92, with Class 1 and Class 2 compliant solutions available
- ▶ AA Fire-rated: AA Designation (National Class) or Broof (T4) European Class and Euro Class A1 non-combustible

Critical Kerb External Dimensions (Standard Glass Specification)

Min. Kerb Thickness: 75mm (excluding finishes)

Min. Kerb Height: 150mm (at the eaves end)

Max. Size (Square): 1600mm x 1600mm

Max. Size (Rectangular): 1300mm x 2800mm or 1

250mm x 3000mm

Min. Size: 900mm x 900mm

Min. Recommended Pitch: 5° to shed water

Bespoke Glass Options

- ▶ Solar Control
- ▶ Privacy Glass
- ▶ Body Tinted
- ▶ Acoustic Laminate
- ▶ Coloured Glass
- ▶ Easy-clean Coatings (Ritec)
- ▶ CUin Advanced Thermal Performance
- ▶ Triple Glazed and Laminated Inner Pane options
- ▶ Painted or Sandblast borders

British Standards Compliance

BS 6375-1: 2015+A1:2016 Weathertightness

BS EN 1026:2016 Air Permeability

BS EN 1027: 2016 Watertightness

BS EN 12211: 2016 Wind Resistance

BS EN 12206-1:2004: Polyester Powder Coating



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Rooflight Control Options

- ▶ The unit is operated within the building via a 6-amp daily ventilation control panel
- ▶ Skyway rooflights have the capability to utilise press and hold functions, which can be used with a variety of sensors

Available Options:

- ▶ Separate wall switch (mounted locally to the rooflight)
- ▶ Fireman's override switch
- ▶ Optical smoke detector
- ▶ Control panel with battery back-up
- ▶ Rain, wind and temperature sensors
- ▶ Key operated unipolar switch

Rooflight Performance

Building Regulations (E&W) Approved Document L compliant design to achieve low U-values
U-values: As low as 0.6 W/m².K
G-values: As low as 0.19
Light Transmission: Up to 79.1%

Design Loadings

Snow: 640 N/m²
Wind: 750 N/m²

Rooflight Cleaning & Maintenance

All of our Flatglass rooflights can be supplied with an easyclean coating, the **Ritec ClearShield** system provides an efficient solution to greatly reduce the need for cleaning.

'Non-stick', easy-clean rooflight protection provides:

- ▶ Reduced cleaning time, effort and frequency
- ▶ Keeps rooflights looking like new, staying cleaner for significantly longer
 - ▶ Resists glass staining and contamination from tree sap, bird droppings, traffic pollution and general dirt
 - ▶ Helps to maintain Window Energy Ratings



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Helping daylight do its work!

