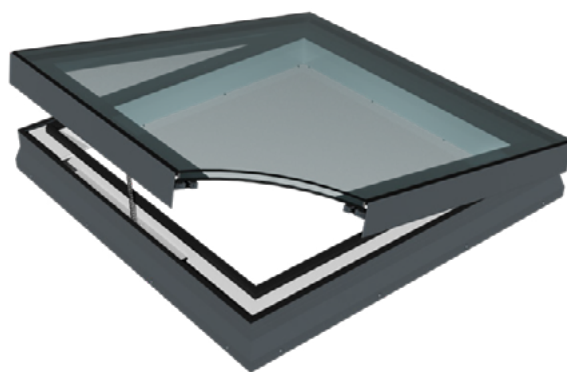


Flat Glass Rooflight - Electric Opening

TECHNICAL DATA SHEET | 12.03.24 | V 2.0

Offering a clean, minimalistic finish both inside and out, the electric opening comes with concealed hinges and no visible fixings internally or externally.



Technical Data

Glazing:

- Double-glazed as standard – triple glazed by special order
- Standard double-glazed glass specification:
 - 6mm Clear toughened outer
 - 16mm Argon filled warm edge spacer silicone bonded
 - 8.8mm laminated inner pane with PVB interlayer (11.5mm on larger units)
- Other glass specifications:
 - Refer to glass specification and performance chart for information relating to other specifications

Frame:

Rooflight frame is manufactured with fully thermally broken design and welded aluminium frame and cill detail. All visible aluminium is polyester powder coated.

Performance – Rooflight:

Refer to glass specification and performance chart and data related to relevant unit size.

Performance – Upstand:

Refer to em.curb data sheet.

Roof Pitch

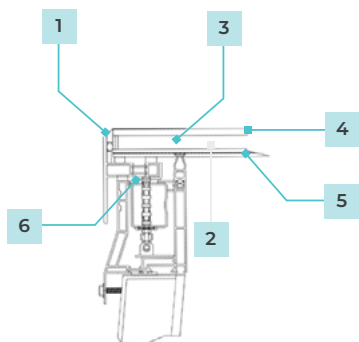
Recommended to be installed on roof slope 5-20°.

Features & Benefits

- Thermally broken profile
- Motor fully concealed within subframe when closed
- All units have motor leads protruding minimum 2m
- Water management channel within profile
- Single or tandem motors depending on unit size
- Compatible with builders kerb, uPVC kerb or Timber Sloping Kerb
- Wiring concealed inside em.glaze frame
- Motor mounted chain down at standard, minimising water/moisture entry into motors
- Special motor bracket to em.glaze flat glass unit allows unit to be detached from inside in event of power failure
- Standard RAL 7016 externally and White RAL 9016 internally
- 15 sizes available from stock for delivery within 5 days

Flat Glass Rooflight - Electric opening

Product Diagram



1	Frame	Aluminium
2	Gas	Argon
3	Warm spacer	✓
4	Toughened outer pane	✓
5	Laminated inner pane	✓
6	Thermal break + box section	✓
	Install pitch (upstand)	5–20° recommended
	Standard frit width	84mm
	External frame colour	RAL 7016 anthracite grey or any standard RAL colour
	Ud-value *	1.23 W/m²K
	Non-fragility	CWCT TN66/67 Class 1 (or 2 dependant on size)
	Airtight BS6375-1:2015 and BS EN 12207	Class 2 300 Pa
	Wind loads BS 6375-1:2015 and BS EN 12210	Class A3

* complete glass unit tested vertically

Testing & Certification

Requirement	Result	Classification
Air Tightness	Class 2 (300pa)	EN12207/ EN1026
Water Tightness	Pass (without penetration of water)	EN 1873
Impact Resistance	CWCT Class 1 (or 2 dependant on size)	–

Rooflight Performance

Building Regulations (E&W) Approved Document L compliant design to achieve low U-Values:

- **Ud-Values:** As low as 1.23 W/m²K
- **G-Values:** As low as 0.36
- **Light Transmission:** Up to 80%

Options & Accessories

Standard comfort controls:

- Option of retractive switch or comfort kit including a control panel, remote control and rain sensor

Premium comfort controls:

- For electric opening Premium model
- Intelligent control unit that harnessing the latest smart building technology from our partner Window Master®:
- App - Fresh Air Control:
- Option of WCC comfort kit including a control panel & rain sensor.
- Rain sensor can be upgraded to combined wind & rain sensor
- Option of room thermostat

