



# Technical Data Sheet

# GLAZING

# VISION

## Free Standing Box Rooflight

FSB-TDS-v3.1-20.09.2016

**Name:** GV Standard Free Standing Box (FSB)  
**Code:** 607  
**Type:** Sliding access rooflight  
**Description:** Single sliding door retracting over fixed glazing

**Features:**

No visible kerb fixings through the use of extruded external clip-on cover.

Excellent overall thermal performance from polyester powder-coated aluminium extrusions integrated with 39mm polyamide thermal breaks, concealed closed-cell PIR insulation and options for double or triple glazing as standard.

Structural integrity assured through the use of finite element analysis (FEA) and testing.

Advanced electronics control system installed, offering low opening currents and a dedicated building management system (BMS) input.

Reliable operation via a concealed twin drive mechanism with one-way clutch and solenoid security feature as standard. Drive mechanism powered by an external 24V power supply. A battery-backed supply option is available as an external optional extra.

Catalogue of product support data including sales drawings, schedule and manufacturing information.

**Testing:** Weather performance testing: CWCT Hose test/Spray Bar test to BS EN 13051

<b>Kerb Dimensions:</b>	Min Kerb Thickness:	see 607-ASS-002	Min Kerb Height:	see 607-ASS-002
	Min Product Height:	400mm	Max Product Height:	1500mm
	Min Span:	1100mm	Max Span:	2400mm
	Min Width:	1500mm	Max Width:	4200mm

**Maximum Span and Width is determined by the opposing dimension - check with manufacturer prior to specification that your dimensions are acceptable.**

**Further information on critical kerb dimensions is available on drawing reference 607-ASS-002.**



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### Standard Glass Specification: Triple glazed

Outer: 6mm HST Clear toughened.  
 Spacer: 14mm Black warm edge silicone-sealed argon-filled cavity.  
 Centre: 4mm HST Clear soft low E toughened.  
 Spacer: 14mm Black warm edge silicone-sealed argon-filled cavity.  
 Inner: 4mm HST Clear soft low E toughened.

### Double glazed

Outer: 6mm HST Clear toughened.  
 Spacer: 20mm Black warm edge silicone-sealed argon-filled cavity.  
 Inner: 6mm HST Clear soft low E toughened.

### U-values:

Example 2500mm Width x 1250mm Span x 1200mm Height external kerb dimensions:

#### Triple glazed

$U_g = 0.6 \text{ W/m}^2\text{K}$   
 $U_w = 5.0 \text{ W/m}^2\text{K}$   
 $U_d = 1.0 \text{ W/m}^2\text{K}$

#### Double glazed

$U_g = 1.1 \text{ W/m}^2\text{K}$   
 $U_w = 7.5 \text{ W/m}^2\text{K}$   
 $U_d = 1.6 \text{ W/m}^2\text{K}$

### Standard Colour:

Qualicoat approved RAL 7015 slate grey outer, RAL9010 pure white inner.

### Rooflight Control:

Glazing Vision control board and magnetic limit switches.

### Power Supply:

External 24V, 14.6A, 300W switch mode power supply.

### Drive Mechanism:

Twin rack and pinion drive with solenoid security one way clutch as standard.

### Thermally Broken:

39mm Polyamide thermal breaks and concealed closed-cell PIR insulation.

### Seals:

PVC-coated foam sliding seal.  
 Silicone seal on closing edge.

### Security:

Built in anti-lifting mechanism to prevent disengagement of drive mechanism via vertical movement of sliding frame.

### Use for Access:

Yes.



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### CAD Drawings:

### Drawing Number

### Description

607-ASS-001	Product overview
607-ASS-002	Kerb detail
607-ASS-003	Section A-A
607-ASS-004	Section B-B
607-ASS-005	Section C-C
607-ASS-006	Detail A-B-C
607-ASS-007	Detail D-E-F
607-ASS-008	Section A-A DGU
607-ASS-009	Section B-B DGU
607-ASS-010	Section C-C DGU
607-ASS-011	Detail A-B-C DGU
607-ASS-012	Detail D-E-F DGU
607-ASS-013	Client wiring diagram

### Optional Extras:

Remote Control:	Yes	Proximity Detection:	Yes
Rain Sensor:	Yes	Battery Back Up	Yes
Solenoid Bolt:	Standard	Dual Colour:	Standard
Thermostat:	Yes	Special Colour:	Yes
BMS Integration:	Yes	Ritec Coating:	Yes
Trickle Vents:	n/a	Downlighter:	No
Wall Abutted:	No	Multi-Part	n/a
External Key Switch:	Yes	External Keypad:	Yes

### Rain Sensor Overrides:

Internal isolator switch:	Yes
External isolator key switch	Yes
Timed secure open button:	Yes



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For technical support please call  
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