



Technical Data Sheet

GLAZING VISION

Skydoor Access Rooflight

SD-TDS-v3.3-31.08.2018

Name: GV Standard Skydoor
Code: 406
Type: Electrically hinged access rooflight
Description: Glazed access and ventilation rooflight for flat roof applications

Features:

Robust low power opening actuators, control electronics, power supply and supporting documentation. Compatible with the Glazing Vision LED control switch.

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

Can be used day to day to provide ventilation and access opening to a maximum of 87°. Anti-slip tread plate design incorporated into threshold monitored by safety sensors to stop the rooflight should something be in the way. The Skydoor will respond to both one touch and press & hold requests.

The Skydoor is powered by an internal 24V power supply. A battery backed supply option is available as an external optional extra.

The intelligent actuators ensure a synchronised operation between the two mechanisms which also include overload cut-off.

The base and lid are thermally broken aluminium. Overall the rooflight offers excellent thermal performance.

Kerb Dimensions:	Min Kerb Thickness:	200mm	Min Kerb Height:	150mm
	Min Span:	1000mm	Max Span:	Variable
	Min Width:	1300mm	Max Width:	Variable
	Min Pitch:	3°	Max Pitch:	10°

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 406-ASS-405.



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Example Glass Specification:

Triple glazed

Outer: 4mm HST Clear toughened.
 Spacer: 12mm Black warm edge silicone-sealed argon-filled cavity.
 Centre: 4mm HST Clear soft low E toughened.
 Spacer: 12mm 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 2000mm Width x 1200mm Span x external kerb dimensions with example glass spec:

Triple glazed

$U_g = 0.7 \text{ W/m}^2\text{K}$
 $U_w = 1.75 \text{ W/m}^2\text{K}$
 $U_d = 0.95 \text{ W/m}^2\text{K}$

Double glazed

$U_g = 1.19 \text{ W/m}^2\text{K}$
 $U_w = 2.2 \text{ W/m}^2\text{K}$
 $U_d = 1.19 \text{ W/m}^2\text{K}$

Standard Colour:

Qualicoat approved RAL 7015 slate grey outer, RAL9010 pure white inner (base interior)

Rooflight Control:

On board PCB.

Power Supply:

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

Drive Mechanism:

Pair of Simon RWA folding arm actuators.

Thermally Broken:

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

Seals:

Combination of three silicone bubble seals

Security:

Mechanism cannot be disconnected from lid whilst closed. Rooflight base is sealed to upstand with butyl sealant. The mechanisms cannot be back driven due to motor gearing reduction.

Use for Access:

Yes.



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CAD Drawings:

Drawing Number

Description

406-ASS-401	Skydoor general arrangement solo
406-ASS-402	Section A-A solo
406-ASS-403	Section B-B solo
406-ASS-404	Detail C – sectional detail solo
406-ASS-405	Skydoor kerb detail
406-ASS-406	Skydoor example finishing
406-ASS-407	Client wiring diagram
406-ASS-408	Rain sensor and external keypad positions
406-ASS-409	Skydoor general arrangement integrated
406-ASS-410	Section A-A integrated
406-ASS-411	Section B-B integrated
406-ASS-412	Skydoor example finishing integrated

Optional Extras:

Remote Control:	Yes	RITEC Coating:	Yes
Rain Sensor:	Yes	Dual Colour:	Yes
Solenoid Bolt:	No	Special Colour:	Yes
Thermostat:	Yes	Security System Integration:	Yes
BMS Integration:	Yes	Downlighter:	No
Trickle Vents:	No	Multi-Part:	Yes (bespoke)
Wall Abutted:	Yes (bespoke)	External mounted Key Switch:	Yes



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