



# Technical Data Sheet

# GLAZING VISION

## xVent AOV Rooflight

XV-TDS-v2.5-24.09.2018

Name:	GV Standard xVent
Code:	405
Type:	Hinged AOV rooflight
Description:	Glazed heat and smoke ventilator for flat roof applications.
BIM:	<a href="https://www.nationalbimlibrary.com/glazing-vision-ltd/x-vent-rooflight">https://www.nationalbimlibrary.com/glazing-vision-ltd/x-vent-rooflight</a>

### Features:

Tested and certified to BS EN 12101-2:2003. CE Marked and conforming product.

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

Can be used day to day to provide ventilation, opening to a maximum of 45°.

On activation of the fire alarm the xVent will open automatically open to 140° within 60 seconds. Whilst the fire alarm is activated the xVent cannot be overridden until the fire alarm is cancelled or reset.

The connection to the fire alarm panel is normally closed meaning the xVent will open to the fire position should the connection to the fire panel be lost. A built in temperature sensor offers further redundancy by operating the xVent should the internal temperature reach 72°C.

The xVent is powered by an external 28V power supply. In the event of mains failure back up batteries housed inside the rooflight base will automatically take over. When running off the battery the xVent will emit a periodic audible signal, and the LED control switch will flash red.

The xVent mechanisms utilise encoder feedback which is used by the control electronics to achieve closed loop synchronisation.

The base and lid are thermally broken and filled with insulation to improve thermal performance. It is possible to integrate the xVent into further glazed sections using Glazing Vision's Flushglaze system.

Kerb Dimensions (solo):	Min Kerb Thickness:	200mm	Min Kerb Height:	150mm
	Fixed Span:	1400mm	Internal area:	1m <sup>2</sup> Min - 1.5m <sup>2</sup> Max
	Min Width:	1400mm	Max Width:	1900mm
	Min Pitch:	3°	Max Pitch:	5°

Example Glass Specification:	Double glazed
	Outer: 6mm HST Clear toughened.
	Spacer: 18mm Black warm edge silicone-sealed argon-filled cavity.
	Inner: 8.8mm Clear soft low E laminated.

OTHER GLASS SPECIFICATIONS ARE AVAILABLE



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Standard Colour:	Qualicoat approved RAL 7015 slate grey outer, RAL9010 pure white inner (base interior)
Rooflight Control:	On board control PCB housed within IP rated protective enclosure.
Power Supply:	External 28V, 28A, 750W switch mode power supply. Back up batteries fitted inside rooflight base will automatically take over in the event of mains failure.
Drive Mechanism:	Motor driven parallel linkage mechanism with encoder feedback.
Thermally Broken:	Yes
Seals:	Combination of three silicone bubble seals.
Security:	Tested to LPS2081 Issue 1:2015. Approved by the Loss Prevention Certification Board (Cert/LPCB ref: 1347a) Approved Secured by Design.
Approvals:	Certified to BS EN 12101-2-2003. Fully CE marked.

CAD Drawings:	Drawing Number	Description
	404-ASS-401	General arrangement details solo
	404-ASS-402	Section A-A through solo
	404-ASS-403	Section B-B through solo
	404-ASS-404	Section details
	404-ASS-405	Kerb detail
	404-ASS-406	Standard rain sensor positioning detail
	404-ASS-407	Client wiring details
	404-ASS-408	General arrangement details integrated
	404-ASS-409	Section A-A through integrated
404-ASS-410	Section B-B through integrated	

Optional Extras:	Remote Control:	Yes	RITEC Coating:	Yes
	Rain Sensor:	Yes	Dual Colour:	Yes
	Solenoid Bolt:	NA	Special Colour:	Yes
	Thermostat:	Yes	Security System Integration:	Yes
	BMS Integration:	Yes	Downlighter:	NA
	Trickle Vents:	NA	Multi-Part:	Yes (bespoke)
	Wall Abutted:	Yes (bespoke)	External mounted Key Switch:	NA

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