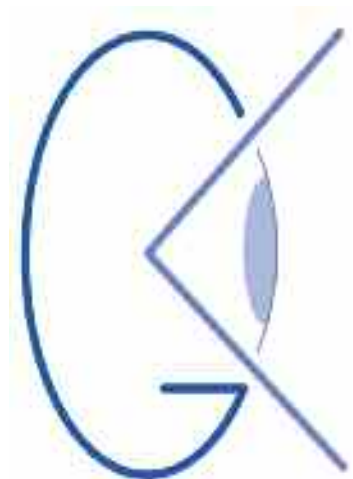


For more information go to [www.barbourproductsearch.info](http://www.barbourproductsearch.info)

Uniclass L414		EPIC D15
C/S/B	(37.4)	X
Issue 1		



## GLASS ROOFLIGHT RANGE



[www.glazingvision.co.uk](http://www.glazingvision.co.uk)

# NATURAL DAYLIGHT... ...NATURAL VENTILATION



Bespoke Sliding over roof rooflight in Paris

Glazing Vision Ltd was established in 1994 by their major shareholder Mr Hugh Callacher, initially set up as a Glazing Refurbishment company. Today the company is the UK's leading manufacturer of luxurious glass roof solutions. In 2002 Glazing Vision launched a range of standard fixed and sliding glass rooflights. Glazing Vision now offers it's range throughout the World to architects wishing to add more light and ventilation to award winning designs.

Today we offer both a standard and bespoke range of fixed, hinged or sliding glass rooflight products. These vary from individual stand alone rooflights to continuous glazing systems. We have a team of highly trained designers using the latest software to develop rooflights that have never been attempted before. Continual research and development, combined with the latest design and manufacturing technologies, enables us to offer highly energy efficient and esthetically pleasing designs.

All our rooflights are proudly made in our UK factory and have been featured on Grand Designs and many prestigious projects throughout the world including Gleneagles Golf Course in Scotland to the Eden Project in Cornwall. When a rooflight leaves our factory we know that the end client will be delighted not only on the day of installation but for years to follow. Glazing Vision rooflights are manufactured by skilled engineers who take pride in knowing their work and that with each rooflight manufactured that natural daylight and natural ventilation will be brought to another project, from Europe to the USA, Scandinavia and Asia, our rooflights are used by architects throughout the globe.

We also have an office in Paris, France and a distribution network around the world, however every rooflight is manufactured in the UK

Glazing Vision are confident that we have the product to help you achieve your Glazing Vision!



# I N D E X



Bringing dreams to light!

Flushglaze Fixed Rooflights	Page 2/3
Modular Flushglaze Fixed Rooflights	Page 4/5
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Pyramid, Fixed & Hinged Rooflights	Page 8/9
Sliding Rooflights (Skyglide, Sliding over Roof, Sliding over Fixed)	Page 10/11
Terrace Access Rooflights (Box Rooflights)	Page 12/13
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Rooflight Accessories	Page 16/17



# GV FIXED FLUSHGLAZE



Glass spec  
28mm DGU:

6mm Toughened  
Outer

16mm Argon filled  
warm edge spacer  
bar

6mm toughened Low  
E inner

Rectangular or Square Flushglaze



Glass spec  
43.5mm DGU:

21.5mm  
Toughened/laminated  
heat soak tested  
outer

16mm Argon filled  
warm edge spacer  
bar

6mm toughened Low  
E inner

Walk on Flushglaze



Glass spec  
28mm DGU:

6mm Toughened  
Outer

16mm Argon filled  
warm edge spacer  
bar

6mm toughened Low  
E inner

Circular Flushglaze

# GV FIXED FLUSHGLAZE



## No Internal Framework

The GV Flushglaze concept is based on an innovative design that delivers maximum daylight due to no internally visible framework. This low profile, high performance system is not prone to the 'water ponding' effect that rival products are, due to its intelligent use of flush external glazing with metalwork, using a silicone join. GV Flushglaze units are suitable for both flat or sloped roof applications and are available in many shapes and sizes and even come in a walk on, Tripleglazed, Fire Rated, Ridgeglaze (dual pitched rooflight) and bespoke Eaves variants. The GV system is supplied with a complete fixing kit which includes concise fitting instructions for installation by construction tradesmen or DIY enthusiasts.

The Flushglaze rooflight was launched in 2002 and has been sold worldwide in various variants since, the rooflight sits on a preprepared upstand (by others, minimum pitch 3 degrees), drawings are provided direct from Glazing Vision or on the companies online resource centre. You can choose an off the shelf size or any bespoke size up to 5.2m<sup>2</sup> as one pane of glass (non walk on, walk on maximum pane size is 3m<sup>2</sup>), anything larger can be catered for by joining sections (see multipart Flushglaze). The Flushglaze is manufactured and glazed in the UK factory, all sealants and silicones need to be applied in controlled conditions to guarantee a quality rooflight is manufactured every time.

Key Features:	Options:	Also Available:	Colour:
Low Profile	Wall abutted Rooflights	INTERNAL WALK ON	RAL7015 Slate Grey Outer Only
Simple Installation	Ritec easy clean coating	<b>TRIPLEGLAZED GLASS</b> <b>(0.6 U-Value, centrepane)</b>	RAL9010 White (available as an alternative)
No Internally Visible Framework	Solar control glass	RIDGE GLAZE	Other RAL colours available on request for an extra cost.
Bespoke Sizes to Order	Sandblasting options	BESPOKE EAVES	
Bespoke Sizes to Order	Various frit patterns	FLUSHGLAZE FIRE RATED	
Concealed Fixings	Laminated inner option		
Safety Glass To Both Panels	Blinds		
High Thermal Performance	PV cells		
Large Spans Available	Heated or switchable glass		
Easy Clean and Low Maintenance	Kerb top trim		
Silicone Seals			
Low E Coating			
Wall Mounted Units			

Pictures from left to right Bespoke triangular flushglaze, ridgeglaze, Flushglaze incorporating PV cells



Tested to 600 pa for Air permeability, water tightness and 1.5kn/m<sup>2</sup> for wind resistance in accordance with CWCT standard test methods for building envelopes (fire rated to be tested)

Overall U-Value as low as 0.9 W/m<sup>2</sup>K when Tripleglazed

# GV MULTIPART FIXED FLUSHGLAZE



Glass spec  
28mm DGU:

6mm Toughened  
Outer

16mm Argon filled  
warm edge spacer  
bar

6mm toughened Low  
E inner

8mm Silicone Seal Joins (upto 1350mm span)



Glass spec  
28mm DGU:

6mm Toughened  
Outer

16mm Argon filled  
warm edge spacer  
bar

6mm toughened Low  
E inner

Aluminium back to back angles



Glass spec  
28mm DGU:

6mm Toughened  
Outer

16mm Argon filled  
warm edge spacer  
bar

6mm toughened Low  
E inner

Glass fin spec  
25.5mm Toughened  
laminated, (heat soak  
tested)

Glass fins at the joints



# GV MULTIPART FIXED FLUSHGLAZE



Multipart Flushglaze at Savill Gardens Visitors Centre

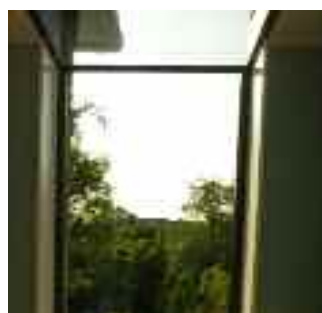
The Flushglaze Modular Rooflight system has been developed to cater for joining rooflights together to create large expanses of glazing; it has also been developed to cater for more complex scenarios such as (The Ridglaze and Eaves Flushglaze Rooflights). The Flushglaze rooflight has an extremely low profile system which is based on car windscreen technology, the glass being structurally bonded and triple sealed making it an ideal rooflight for flat roof applications on a pitch of only 3-5 degrees also for pitched roofs up to 70 degrees.

The Flushglaze Rooflight can be divided into sections and joined together using a silicone seal for anything less than a span of 1350mm, anything greater than 1350mm then either an aluminium back to back angle or glass fin (not an option with walk on) will be required. As per the standard Flushglaze the profile can also be bent and shaped in various shapes and configurations to create a stunning large glass roof feature.

For circular Flushglaze rooflights the maximum diameter is 2m, anything greater will need to be designed and incorporate either an aluminium back to back angle or glass fin.

Key Features	Options	Also Available	Colour:
Low Profile	Wall abutted Rooflights	WALK ON VARIANT	RAL7015 Slate Grey Outer Only
Simple Installation	Ritec easy clean coating	TRIPLEGLAZED GLASS (0.6 U-Value, centrepane)	RAL9010 White (available as an alternative)
Flush external finish	Solar control glass	RIDGE GLAZE	Other RAL colours available on request for an extra cost.
Bespoke Sizes to Order	Alternative glass specifications on request	BESPOKE EAVES	
Concealed Fixings	Alternative RAL colours		
Safety Glass To Both Panels	Sandblasting options		
High Thermal Performance	Laminated inner option		
Large Spans Available	PV Cells		
Easy Clean and Low Maintenance	Switchable glass		
Silicone Seals	Kerb top trim		
Low E Coating			
Wall Mounted Units			

Pictures from left to right Bespoke Eaves, Modular Internal Walk On, External Modular Walk On



# GV VISIONVENT HINGED ROOFLIGHT



Glass spec  
32mm DGU:

6mm Toughened  
Outer

20mm Argon filled  
warm edge spacer  
bar

6mm toughened Low  
E inner

Electric or Manual Hinged (Vent Only)



Glass spec  
32mm DGU:

6mm Toughened  
Outer

20mm Argon filled  
warm edge spacer  
bar

6mm toughened Low  
E inner

Electric Hinged (Vent & Maintenance Access)



Glass spec  
28/32mm DGU:

6mm Toughened  
Outer

16/20mm Argon  
filled warm edge  
spacer bar

6mm toughened Low  
E inner

Integrated Visionvent into Fixed Flushglaze



# GV VISIONVENT HINGED ROOFLIGHT



Closed VisionVent in Dublin

The VisionVent is a thermally broken hinged flat roof vent, the VisionVent can be installed on a flat (Minimum 3 degrees) or pitched roof, or even incorporated into our Flushglaze rooflight for large areas of glazing where there is a requirement for ventilation. The product has been designed with a minimal amount of visible internal framework and concealment of the electrical operators within the frame, giving a 100% clear glass area.

The unique features of the VisionVent roof light include flush glazing allowing water to run straight off, high security with concealed mechanisms and large size capability 3m2 on electric vent. The VisionVent comes in dual colour as standard to match both inside and external finishes (either RAL7015 Grey/RAL9010 White)

The VisionVent boasts synchronised dual motors for smoother operation and larger glass capacity, the latest variant launched in 2010 comes with CE marked plug and play electronics with feedback LED built into the switch plate. All VisionVents come complete with a transformer and isolator switch.

Key Features	Options	Also Available	Colour:
Thermally broken	Wall abutted Rooflights	MANUAL VENT ONLY	RAL7015 Slate Grey Outer
Simple Installation	Ritec easy clean coating	MANUAL ACCESS HATCH	RAL9010 White Inner
Flush external finish	Alternative glass specifications on request	INTEGRATED INTO A FIXED FLUSHGLAZE	Other RAL colours available on request for an extra cost.
Bespoke Sizes to Order	Laminated inner option	HINGED PYRAMID (SEE OVERLEAF)	
Concealed Fixings	Remote control operation		
Safety Glass To Both Panels	Rain sensor		
Manual Over ride	Humidity sensor		
Large Spans Available	Temperature sensor		
Easy Clean and Low Maintenance	Building management system integration		
Silicone Seals			
Strong continuous hinge			
Dual concealed motors			

Pictures from left to right: Manual Access Hatch, A Transformer, an Internal picture of the VisionVent



**Stainless steel, concealed, dual synced lifting points for secure stable lid**

Note: VisionVents must be fitted as top hung

# GV PYRAMID



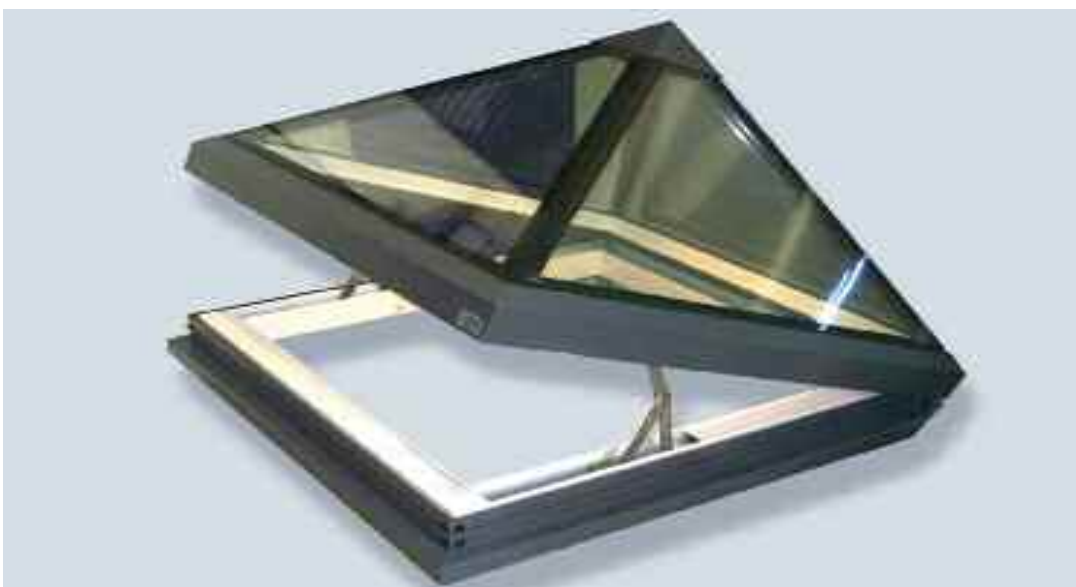
Glass spec  
28mm DGU:

6mm Toughened  
Outer

16mm Argon filled  
warm edge spacer  
bar

6mm toughened Low  
E inner

Fixed Square Pyramid



Glass spec  
28mm DGU:

6mm Toughened  
Outer

16mm Argon filled  
warm edge spacer  
bar

6mm toughened Low  
E inner

Electric Hinged Pyramid



Glass spec 28mm  
DGU:

6mm Toughened  
Outer

16mm Argon filled  
warm edge spacer  
bar

6mm toughened Low  
E inner

Octagonal Pyramid



# GV PYRAMID



## Elongated Pyramids

A 45 degree frameless glass Pyramid rooflight with manual/electric hinged opening or fixed variants. The clarity and longevity of glass ensures fantastic light transmission throughout the life of the building, typically 50% more than plastics over its life cycle. The shape of the pyramid gives an excellent concentration of light and self cleaning characteristics with a stylish frameless design. Available in square or elongated configurations. Larger dimensions can be supplied as a bespoke glazing project, a bespoke bi-parting/sliding option is also available.

A rooflight which was again developed to meet the requirements of our clients is the frameless fixed Octagonal glass rooflight. The Octagonal Pyramid is an extension to our pyramid range. Also on a 45 degree angle giving the rooflight excellent self cleaning credentials the Octagonal Pyramid is often chosen as a feature to enhance a building looking for sophisticated shape and light.

Key Features	Options	Also Available	Colour:
Maximum daylight...No internal framework	Downlighter (square variants) Ritec easy clean coating Laminated inner option	BESPOKE SHALLOW PITCHES	RAL7015 Slate Grey Outer
Frameless Self Cleaning Design	<b>Hinged Variants:-</b> Remote control operation Rain sensor Humidity sensor Temperature sensor Building management system integration	LARGER MULTIPART OPTIONS WITH ALUMINIUM FRAMEWORK	RAL9010 White Inner
High Thermal Performance		INTEGRATED VISIONVENTS	Other RAL colours available on request for an extra cost.
Guaranteed Long Life Clarity		SLIDING OPTIONS	
Heavy Duty Construction		BESPOKE WITH INTEGRATED VISIONVENTS	
Square Internal Downlighters as Standard			
Hinged & Fixed Available			
Glass to glass silicone joins			
Thermally Broken Framework			

Pictures from left to right: Bespoke Octagonal, Internal Downlighter and Large Bespoke framed Pyramid



Overall U-Value as low as  
1.6W/m2K on Fixed Pyramids





Glass spec  
28mm DGU:

4mm Toughened  
Outer

20mm Argon filled  
warm edge spacer  
bar

4mm toughened Low  
E inner

Flat Flushglaze Skylight



Glass spec  
28mm DGU:

6mm Toughened  
Outer

16mm Argon filled  
warm edge spacer  
bar

6mm toughened Low  
E inner

GV Standard Sliding Over Roof



Glass spec  
28mm DGU:

6mm Toughened  
Outer

16mm Argon filled  
warm edge spacer  
bar

6mm toughened Low  
E inner

GV Standard Sliding Over fixed

# GV SLIDING ROOFLIGHTS



## GV Bespoke Sliding Over fixed

Glazing Vision is known throughout the industry as manufacturing quality glass sliding rooflights. All our sliding rooflights are low-noise in operation and have built in electronic solid-state controls with battery back-up, speed control and creep-speed sealing.

**Skyglide** - Introducing the Skyglide sliding rooflight, utilising our flushglaze principles this rooflight offers unique characteristics of frameless glazing to achieve maximum daylight, longevity and high performance. The Skyglide has telescopic cantilevering opening function (no need for tracks) which creates a almost 100% clear opening. The glass is structurally bonded and triple sealed making it ideal for flat roof applications. Keeping water ponding and condensation risks to a minimum by the elimination of internal and external flashings and metalwork.

**Sliding Over Roof** - The GV Standard Sliding Over Roof Rooflight, retracts in one-panel onto the roof creating a 100% clear opening. All the glass used is flush to allow water run off and easy cleaning.

**Sliding Over Fixed** - The GV Standard Sliding over Fixed rooflight comes in 2 sections, one sliding section sliding over one fixed section, creating a 50% clear opening. All the glass used is flush to allow water run off and easy cleaning.

Key Features	Options	Also Available	Colour:
Concealed motors and electronics	Ritec easy clean coating Solar control glass Sandblasting options	PYRAMID SKYGLIDE	RAL7015 Slate Grey Outer Only
Flush glazing with silicone seals	Laminated inner option Remote control operation	SKYGLIDE INTEGRATED INTO A FIXED FLUSHGLAZE	RAL9010 White (available as an alternative)
Manual Over ride	Rain sensor Rain sensor over ride Proximity detection	BESPOKE SLIDING OVER ROOF	Other RAL colours available on request for an extra cost.
Creep sealing	External keypad Solenoid security bolts	BESPOKE SLIDING OVER FIXED	
Built in anti life	Humidity sensor Temperature sensor Building management system integration		
Bespoke Sizes to Order			
Safety Glass To Both Panels			
Low E Coating			
Battery operation (continued usage)			

**Skyglide for Flat Skyglide max 2m x 1.5m,  
Pyramid Skyglide max span/width 1.5m**

**Sliding over roof 5.2m2 as standard**

**Sliding over fixed 10m2 as standard**





Glass spec  
28mm DGU:

6mm Toughened  
Outer

16mm Argon filled  
warm edge spacer  
bar

6mm toughened Low  
E inner

GV Standard 3 Wall Mounted Box Rooflight



Glass spec  
28mm DGU:

6mm Toughened  
Outer

16mm Argon filled  
warm edge spacer  
bar

6mm toughened Low  
E inner

GV Standard Free Standard Box Rooflight



Glass spec  
28mm DGU:

6mm Toughened  
Outer

16mm Argon filled  
warm edge spacer  
bar

6mm toughened Low  
E inner

Bespoke Sliding Box Rooflight, sliding onto roof



# GV TERRACE ACCESS ROOFLIGHTS



## Free Standing Box Rooflight, ideal for terrace access

Due to the popularity of our roof terrace access rooflights, the designers at Glazing Vision have developed a design principle which can be used to offer a standard solution in both a free standing box rooflight or a 3 wall mounted version. Using these design principles cost and lead time reductions can be passed onto the customer.

The Sliding box rooflights are a great option for terraced access as it offers a physical structure and the fixed walls of glass provide a balustrade around the opening. It also allows you to continue your handrail right up to the point of leaving the box and stepping onto the roof terrace. The box rooflight consists of two sections, one fixed section and one sliding section. The sliding section slides over the fixed section to create 50% clear opening thus allowing the user to walk through and out of the rooflight. All the glass used is flush to allow water run off and easy cleaning, whilst maintaining maximum security.

The standard principles work on a square metre rate of 6m<sup>2</sup> footprint and a maximum span of 2.4m anything larger will need to be designed from scratch and with an overall footprint of 10m<sup>2</sup>.

Key Features	Options	Also Available	Colour:
Concealed motors and electronics One touch open and close	Ritec easy clean coating Solar control glass Sandblasting options	BESPOKE SLIDING OVER ROOF BOX	RAL7015 Slate Grey Outer Only
Flush glazing with silicone seals	Laminated inner option Remote control operation	BESPOKE SLIDING STACKING BOX	RAL9010 White (available as an alternative)
Manual Over ride	Rain sensor Rain sensor over ride	BESPOKE BI-PARTING BOX	Other RAL colours available on request for an extra cost.
Creep sealing	Proximity detection External keypad	BESPOKE SIZES BIGGER THAN 6M2 (FOOTPRINT)	
Built in anti life	Solenoid security bolts Humidity sensor	BESPOKE WALL ABUTMENTS	
Bespoke Sizes to Order Right or left hand opening	Temperature sensor Building management system integration		
Safety Glass To Both Panels	Aluminium panels (instead of glass)		
Low E Coating			
Battery operation (continued usage)			

**Bespoke Box Rooflights can typically achieve  
a U-Value of 1.21 W/m<sup>2</sup>K**

**and an air tightness to 2.3m<sup>3</sup> per m<sup>2</sup>**

## ALSO AVAILABLE . . .



Introducing the UK's first GLASS Automatic Opening Vent (AOV) to 140° tested to BS EN 12101-2 :2003 and CE marked as a smoke and heat ventilator.

PATENT APPLIED FOR

X-Vent Rooflight (AOV) Smoke Vent



Bespoke Sliding Stacking rooflights are ideal when roof space is at a premium, 3 sections can be stacked, one fixed and two sliding on top.

Bespoke Sliding Stacking Rooflight



Bi parting rooflights have been manufactured in many different variations, sliding over fixed and sliding over roof configurations

Bespoke Bi Parting over Roof Rooflight



## ALSO AVAILABLE . . .



All previous sliding configurations can be done as bespoke sloped sliders, with enhanced side thrusts to ensure stability and weight distribution.

Bespoke Sloped Sliding Rooflights



We have manufactured some very big rooflights, some of the biggest have involved replacing the whole roof, the dual pitched sliding ridge rooflight can come in many configurations, sliding over fixed, over roof, bi parting and even stacking.

Bespoke Sliding Ridge Rooflight



And for when there has never been anything like it done before, we will just design it from scratch!

When you think it can't be done, give GV a call because with our team of experts we will tell you whether it really can be done!

Bespoke and Beyond!



## OPTIONAL ACCESSORIES. . .

Glazing Vision have developed advanced electronics to support the whole rooflight range (the GV network) making sure your rooflight is tamper free as its on its own secure network. To enhance the operation of our rooflight range GV has developed safety devices and operation methods which can be chosen for each rooflight as optional extras. We also cater for bespoke solutions, so please ask if you have an alternative requirement.



### Remote Control (Standard)

The remote control will open and close a rooflight from a range of up to 25m. This range will be reduced when there are intervening internal walls. One remote control can control a number of rooflights, but each rooflight can only respond to a single remote control - ensuring security at all times.

### Remote Control (Intelligent - VisionVent Only)

The intelligent remote control is a new design with touch sensitive controls. There is a sleep mode to conserve battery life when not in use and the LED communication mirrors the status on the LED communication switch. The intelligent remote control also has a secure communication with GV specific encryption.



### Rain Sensor

Powered whenever your Glazing Vision Rooflight is open, the rain sensor will ensure it will close as soon as rains start. You can leave you rooflight open with confidence, summer and winter. The sensor can be mounted on the rooflight itself or on an adjacent wall.

### External Access Keypad

The keypad is suitable for those customers who use their opening rooflight as a means of roof access. Permanently powered, the Keypad has a numeric display and responds to a customer pin. On entering the correct pin your rooflight will be set to open. The Keypad can be mounted on the rooflight, or on an adjacent wall.



### External Key Switch

This is an alternative to the Access Keypad. The key switch has two positions and is also permanently powered. In the "off" position the switch has no effect. When switched to the "on" position your rooflight will be set to open. Supplied with two keys as standard, the key switch is also rated for external use and is wall mounted.

# OPTIONAL ACCESSORIES. . .

## Fire Alarm Connectivity

Your Glazing Vision Rooflight can be signalled to open automatically in the event of fire. An input on the OR board within the unit has been provided for this which can be connected to an existing Fire Alarm System. NB. This option does not conform to any specific smoke evacuation specification and its use is at the discretion of the customer.



## Security Connectivity

Your Glazing Vision Rooflight has the option of being connected to an existing security system which can automatically close the rooflight if triggered. When this option is specified, an additional two core cable will be provided for customer connection to the existing security system.

## Mode 1 and 2 Safety Devices

A Mode 1 safety device will inhibit closing when triggered. Only when the safety device is reset can closing resume on pressing the GV LED control Switch. The Mode 2 safety device will inhibit both opening and closing when triggered. The safety device is fitted to the frame of the rooflight.



## Solenoid Bolt (Security)

Solenoid Bolts provide additional security. Moving rooflight sections are locked when in the fully closed position. Note that dual section rooflights will require two solenoid bolts.

## BMS (Building Management System) Integration

Your Glazing Vision Rooflight can be connected to an existing Building Management System and this connection is independent of the standard GV LED control switch. In addition to conventional opening and closing a special rooflight function has been provided for use with BMS systems, and is referred to as "asserted Close". Under asserted close, your rooflight will close, and will not respond to "open" signals from the GV LED control switch. In this way it is possible to prevent rooflight opening, for example between set times.



## Availability of Optional Accessories. . .

Option	Screen (GV LED)	Screen (BMS)	Fire Alarm	Security	Mode 1	Mode 2	Fire Alarm	Security	Mode 1	Mode 2	Fire Alarm	Security	Mode 1	Mode 2	Fire Alarm	Security	Mode 1	Mode 2	
Standard (GV LED)	✓																		
Screen (GV LED)	✓																		
Screen (BMS)		✓																	
Fire Alarm			✓																
Security				✓															
Mode 1					✓														
Mode 2						✓													

The table shows the options available for each rooflight, if in doubt please ask.



For more information please call 0333 8000 881

or visit our website

[www.glazingvision.co.uk](http://www.glazingvision.co.uk)

[sales@glazingvision.co.uk](mailto:sales@glazingvision.co.uk)



Manufactured in the UK

