

Product Description: SureLink modules are a system of premium quality assembled glass rooflight units that simply lap together to form continuous rooflights of unlimited length.

Modules are constructed from structurally glazed double glazed units in a powder coated, fully thermally broken aluminium frame.

Sure Link Rooflights are manufactured using systems fully accredited to ISO 9001 and ISO 14001.

Appearance: All modules are flush, providing a seamless aesthetic. Concealed internal fixings and opening mechanisms ensure an elegant finish.

Composition: The double glazed glass panels are made up of 6mm toughened outer, 90% argon filled cavity, with a 9.5mm laminated inner (inc. 1.5mm PVB interlayer).

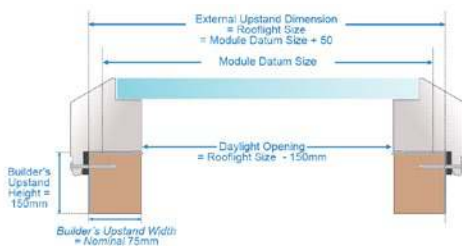
For larger pane sizes the inner pane thickness is increased to 11.5mm.

Applications: Residential and Commercial applications. Can be used to provide natural light and comfort ventilation.

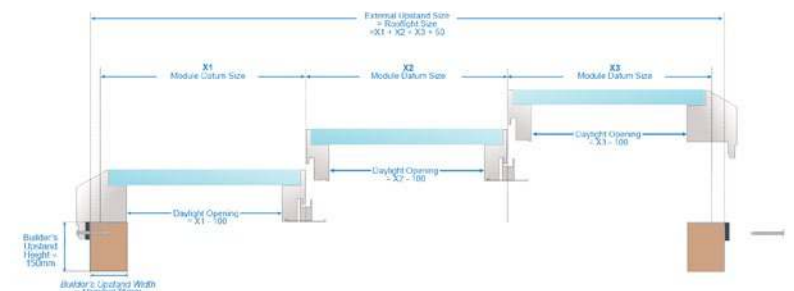
Installation: Installation must be carried out according to our instructions. SureLink Glass units lap together to form continuous rooflights of unlimited length. Spans of up to 3800mm are possible with individual modules up to 3800x1750mm allowing for large uninterrupted daylight areas.



FIXED ROOFLIGHT

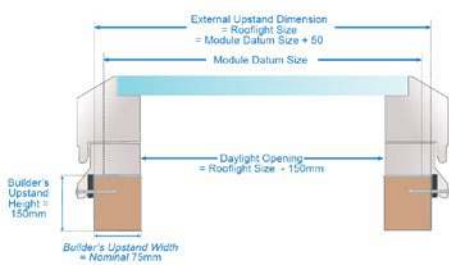


Fixed Rooflight Span

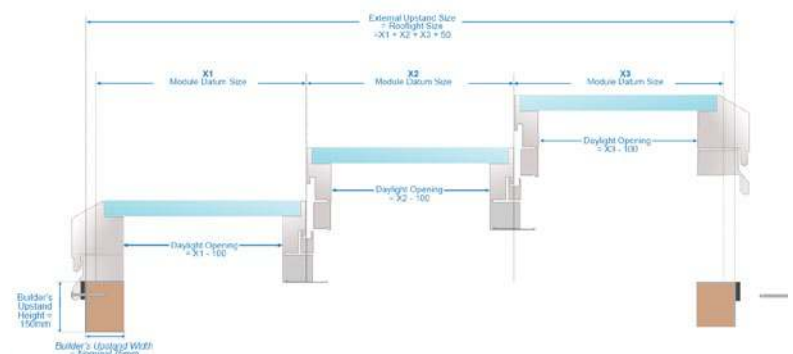


Fixed Rooflight Length

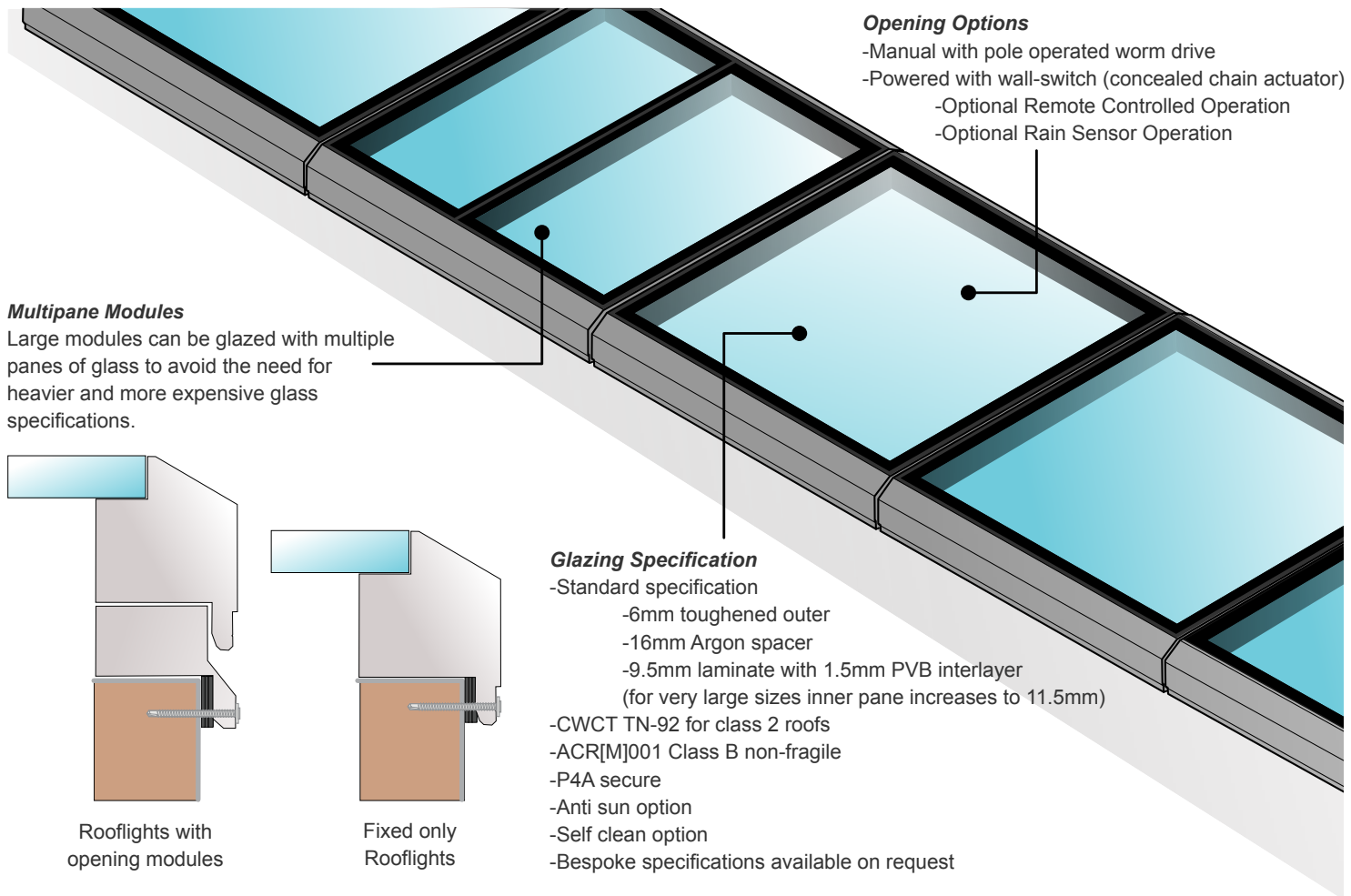
OPEN ROOFLIGHT



Open Rooflight Span



Open Rooflight Length

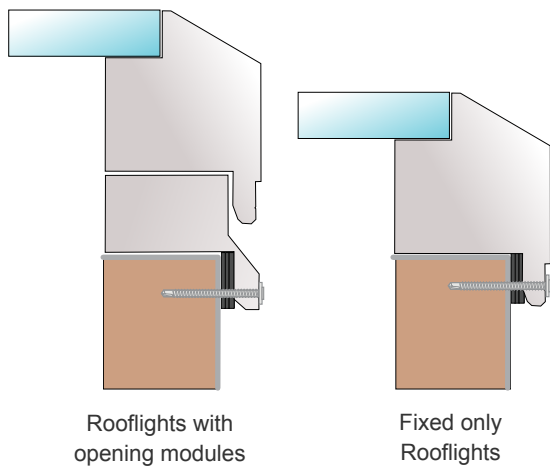


Opening Options

- Manual with pole operated worm drive
- Powered with wall-switch (concealed chain actuator)
 - Optional Remote Controlled Operation
 - Optional Rain Sensor Operation

Multipane Modules

Large modules can be glazed with multiple panes of glass to avoid the need for heavier and more expensive glass specifications.



Glazing Specification

- Standard specification
 - 6mm toughened outer
 - 16mm Argon spacer
 - 9.5mm laminate with 1.5mm PVB interlayer (for very large sizes inner pane increases to 11.5mm)
- CWCT TN-92 for class 2 roofs
- ACR[M]001 Class B non-fragile
- P4A secure
- Anti sun option
- Self clean option
- Bespoke specifications available on request

Properties: The frame is manufactured from extruded aluminium, powdercoated in RAL 7016 externally and RAL 9010 internally as standard (other colours are available).

Durability: SureLink is expected to remain fit for purpose in normal industrial conditions for a period of 20 years (a 10 year guarantee is included). Electrical equipment (where present), is guaranteed for a period of 1 year; actuators have a design life of at least 10,000 cycles. Insulated glass used in the construction of the rooflight is guaranteed for 5 years.

Thermally Broken: SureLink is fully thermally broken and provides excellent thermal performance. Other integral components comprise of ABS and PVC.

Safety Requirements/CDM Regulations: SureLink achieve CWCT TN-92 nonfragility for class-2 roofs and ACR[M]001 class B non-fragility when new and fully installed in accordance with Surespan installation guides.

Acoustic Performance: SureLink modules achieve a direct airborne sound insulation value of 39db (Rw)

Inner glass pane is laminated to protect people inside buildings in accordance with industry guidelines in NARM NTD14. Foot traffic on rooflights should always be avoided; impacts such as foot traffic or a falling person may cause damage which could necessitate rooflight replacement. All glass panels are BS EN12150, BS 14449 and BS 1279 compliant.

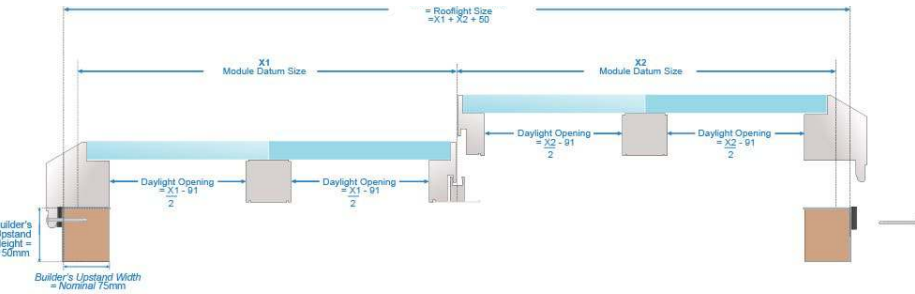
Security: SureLink is fitted to a builders upstand with self-drilling, anti-tamper security fixings.

Fire Rating: Building Regulations Approved Document B (2006 edition, incorporating 2010 and 2013 amendments) sets out the rules for fire safety of buildings, which can be met by achieving specific fire ratings to either British (BS476) or European (BS EN 13501) test standards. SureLink Glass achieves BS476 Class 1

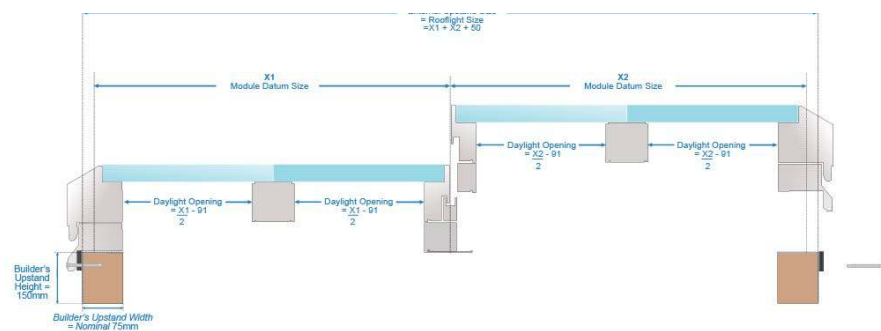
MULTIPANE OPTIONS

Large modules can be glazed with multiple panes of glass to avoid the need for heavier and more expensive glass specifications.

Fixed Multipane Rooflight Length



Opening Multipane Rooflight Length



Opening Options: Surelink can be opened on concealed hinges using manual worm drive or powered actuators to create a large ventilation area. Opening rooflights can contribute to room ventilation as required by Part F of the Building Regulations.

Opening Options

Opening Type	Description
Manual Opening (MLD)	Hinged opening module which is operated manually via a worm gear drive with an extension pole.
Powered Opening (PCD/PCR)	Powered hinged opening module with completely concealed operating mechanism. Opened and closed using a control switch or remote control.
Sensor Controlled Powered Opening (PCS)	Powered hinged opening module which includes rain sensors for automatic operation.

Size Restrictions for Opening Options: Please note that restrictions apply due to size, wind loadings and weight. For opening modules, size is normally restricted to a maximum nominal area of 3.6m² for powered opening or 1.44m² for manual opening. *Figures stated are a guide.*

Product Overall Height & Weight

Description	Nominal Size (mm)	Fixed Rooflight		Fixed Rooflight	
		H (mm)	W(KG)	H (mm)	W(KG)
Fixed Module	Min 600 x 600	145	22	N/A	N/A
	Max 3800 x 1750	145	315	N/A	N/A
Opening Module	Min 600 x 600	N/A	N/A	205	61
	Max 2800 x 1300	N/A	N/A	205	193

**Weights for a start/end module.*

Glazing Options & Transmission Values

Standard glazing specification achieves the following values:

Light	
Transmission	76% - 78%
Reflection	12%
Solar Energy	
G-Value	0.60 - 0.62
Shading coefficient	0.69 - 0.71

Wind and Snow Load

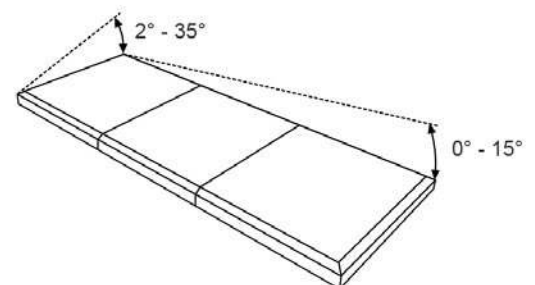
SureLink modules have been tested to show that when correctly fitted in accordance with our instructions, they will resist wind loads calculated in accordance with BS EN 1991-1-4: 2005, and imposed loads in accordance with BS EN 1873: 2005

Resistance to Snow & Wind Loads

Figures in excess of	
Snow Load (N.m ²)	600
Wind Load (N.m ²)	1200

Roof Applications: SureLink modules are designed for installation at a longitudinal pitch (along length) of 0-15°, and a lateral pitch (across span) of 2° - 35° to prevent water ponding on the glass (leading to rapid dirt build up) and to ensure drainage between modules.

For rooflights with opening modules, hinges should be at the ridge of the rooflight span.



Installation: Full installation details, maintenance and product care details are available on request.