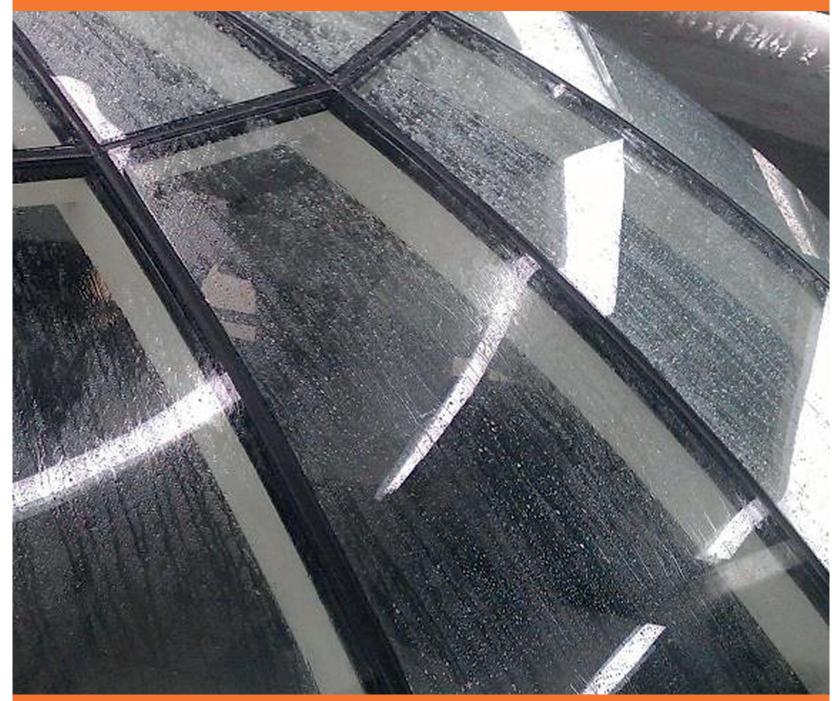
# ROOFIGHT SOLUTIONS

#### THE SKY'S THE LIMIT! IF YOU CAN DREAM IT... WE CAN BUILD IT!



Offering unparalleled quality at unmatched prices. Mono pitched, dual pitched, walk on, barrel vaulted, pyramid, conical, domed & lantern rooflights, canopies and Juliet balconies.

Gold leaf & Bulletproofing service available for Rooflights.

www.rooflightsolutions.co.uk



## The sky's the limit!

**ROOFLIGHT SOLUTIONS IS AN** established UK company in the West Midlands, manufacturing and supplying contemporary rooflights and skylights, both nationwide and internationally. The company specialises in the manufacturing of advanced glazing and rooflight systems, installed in a large number of commercial and domestic buildings throughout the country.

It is the company's ability to respond to customer requests, regardless of size and specification of the order and keeping costs low, which has led to our success during 2016.

As we manufacture everything ourselves, we can make our manufacturing process as efficient as possible and pass the resulting cost savings on to our customers.

However, our products are still considered a luxury item so we would like to make them more accessible by introducing a cost effective line. To do this, our extensive R&D department is working on reducing the sizes we offer by trialling different methods of glass cutting other than a blade, such as laser cutting and water jet cutting, to ensure glass wastage is kept to a minimum and to improve efficiency and lead times. One particularly key for the company in 2016, has been the development of our showroom in the centre of Wolverhampton. The showroom allows contractors, architects, developers and home owners to see our products first hand. We are in the process of finalising a couple of displays and the showroom will be fully open by February/ March 2017.

In the meantime, customers can still visit the showroom by appointment, as well as our manufacturing facilities in Cambridge.

The trend for maximising the amount of natural light entering a property has meant our products have been in demand, with architects writing them into almost every new build project. Our range of rooflights, skylights and atriums are all double or triple glazed, with U-values as low as 0.6. We also offer various glazing options from clear glass as standard to opaque or privacy glass and even bullet proof glass and gold leafing.



## Rooflights

Rooflights, skylights and atriums provide an excellent method of introducing natural light in to any room that permits. Glass rooflights tend to be less obstructive than windows or facades, whilst offering greater flexibility when designing the room. We are able to provide standard geometries such as mono pitched, dual pitched, walk on, barrel vaulted, pyramid, conical, domed and lantern rooflights whilst also being set up to offer fully bespoke solutions to meet your requirements.

All of the shown can be supplied in patent glazing, silicone/ structural glazing and frameless glazing options. We specialise in the supply of oversize glass unit rooflights, with glass unit sizes easily supplied up to and in some case in excess of 4.8m x 2.75m. We can also supply and manage the necessary contract crane lifts and required logistics associated with this type of specialist work.

## "A total solution for architectural glazing."









## Walk on Rooflights

Walk on glass is an excellent method of introducing natural light to dark areas or subterranean rooms within your property whilst maintaining the usual and costly floor space you currently have or are planning on building. With external walk on glass we are able to supply a number of different finishes to prevent slipping due to water build up on the surface. This ranges from sandblasting of the glass through to a ceramic anti slip frit enamel, painted and baked into the top surface of the glass.

Most walk on glass elements are designed to fit flush with the surrounding floor finishes providing a seamless transition from one finish to an other, we can work with your construction team to create the required upstand and aperture detail to produce both a guaranteed waterproof rooflight installation and the required flush perimeter finish.

## "Rooflight solutions offers unparalleled quality at unmatched prices."



## Canopies

Glazed canopies can make an attractive focal point for your building's main entrance. Usually placed outside entrance doors to keep the weather away and providing a covered waiting area for the residents or your clients. Glazed canopies allow natural light through to the entrance area.

We can offer structural glazed and frameless glazed tie rod canopies as well as fully bespoke systems to fit perfectly within your application. Clear toughened/laminated glass canopies are the most popular choice however other glass options are also available.

Canopies can either be designed to be face fixed to an existing wall or fitted back to sunken pad foundations incorporating holding down bolts, with either option we have standard fixing details to match our standard canopy designs. On other occasions we have produced bespoke fixing details where the fixing point is needed to be picked up through an external cladding detail or masonry leaf back to a main structural steel.

Canopies that project from buildings are subject to wind and snow loads and it is very important to determine the correct glass to be used. Our in-house design and project management team will work with you and your construction team from initial concept creation through to site completion.





## Balustrade

Glass balustrades are designed to provide edge protection to stairs, landings, lightwells, ramps and any other circumstance where there is a possibility of a fall. Modern glass balustrades minimise the visual weight of the balustrade which could otherwise subtract from the aesthetics of the internal finishes or external view.

With specialist balustrade details the main concern is the fixing detail and the ability to transfer the imposed handrail loading through to the superstructure, As such our team have produced a range of standard fixing details which are fully tested to ensure compliance with the necessary regulations.

Balustrade glass can be supplied in a toughened finish when incorporated with a handrail or toughened/laminated where a handrail is not required (subject to local authority approval obtained through your Architect or project Manager).

## "The sky's the limit! If you can dream it...We can build it!"















## Facades

Glazed facades provide any structure with a lightweight glazed infill that provides access, ventilation and natural daylight into multiple areas of a property whilst providing a modern focal point to the external facade.

Facades can be supplied in a full framed thermally broken aluminium curtain walling system, an external flush silicone filled system or a thermally broken frameless glazed system which can be supplied in a point fixed or shuffle glazed design.

Rooflight Solutions are able to supply single, double or even triple glazed variations to suit the individual requirements of your project. Facades can incorporate solar control coatings, Brise soleil, integrated blinds or even switchable LCD glass options.

## "Rooflight solutions is THE place to go for all your rooflight/roof glazing solutions."

## Partitions

Glass partitions are a quick and easy way to divide large open plan spaces into smaller rooms such as individual offices and meeting rooms or between different elements such as swimming pools and gymnasiums whilst maintaining the transfer of light and direct vision between areas, thus allowing the space to maintain the open plan feel.

Most partitions installed by our team are designed to a frameless design where the glass panes are fitted into recessed channel frames recessed flush into the surrounding walls, floor and ceiling finishes. The screens can also incorporate frameless glass doors mounted off the surrounding glass panes with stainless steel corner patch fittings, these door can also be supplied with.

With the large increase in subterranean basement extensions there is a trend to install swimming pools and gymnasiums within these areas. Whilst not required under current regulations it is good practice to supply any glazing adjacent to a swimming pool in a toughened/ laminated specification so that should the glass panes ever become broken, the interlayer will retain the glass preventing harm to anyone using the swimming pool or any potential damage to the filtration system.



## Bespoke

Unique properties require and deserve unique architectural glazed features that complement your property whilst providing functional benefits to the living space and our client's way of life whilst using the space.

Points for any client to consider when deciding to utilise bespoke architectural glazing is the effect the glazing will have on your internal atmosphere, such as potential heat loss through the glazing, solar heat gain from the sun and direct light transfer into the property.

Rooflight Solutions work in-house glass line and fabrication facilities are able to supply latest technology such as switchable glass, specialist laminates and bespoke finishes to framing elements. Don't forget to ask about our gold leafing & bulletproofing service.

Our in-house design and project management team will work with you and your construction team from initial concept creation through to site completion. Taking advantage of the latest AutoCAD and where required 3D software, Rooflight Solutions are able to provide complex designs and geometries to create your unique and bespoke requirements whilst also being able to offer standardised designs to provide cost effective solutions.

We offer a bespoke gold leafing & bulletproofing service available on most of our products. Call for more details.





## **Drone Service**

RoofLight Solutions drone service is an aerial and photographic venture that provides beautiful aerial film and images for a variety of visual media needs. This optional extra has been specifically designed by our extensive research and development department for both home owners and architects to aid in surveying and visualisation; or even just a simple souvenir once your build is complete!

We use small, environmentally friendly drones flying at up to 400ft, day or night, to capture stunning aerial shots impossible by any other means. This unique USP to Rooflight Solutions enables our work to stand out from the competition, whilst drastically reducing the costs and safety hazards generally associated with aerial surveying. Why pay for an abseiling team to survey your curtain walling or rooflights when we can send our drone up for a fraction of the price and not to mention time!

Our young, experienced and enthusiastic team are excited to work on new and innovating projects, so contact us today.

RoofLight Solutions Drone service is fully licensed and insured.









## Curtain Wall Glazing

Curtain walling gives an architect the opportunity to create stunning building envelopes and at Rooflight Solutions, we can independently supply the most comprehensive range of curtain walling systems on the market today.

We specialise in the design, supply and erection of some of the most unusual demanding designs, to which our team of design engineers and specialists can apply their extensive experience and industry related knowledge in order to meet our Clients exacting standards.

Our team of designers can create fully working AutoCad drawings for domestic and commercial clients alike. By offering the complete package from design through to build guarantees both quality and delivery to our end clients, whilst enabling Rooflight Solutions to meet the client's budgets.

Our dedicated glazing maintenance team can offer cost effective detailed remedial solutions for all your glazing requirements to include curtainwalling, atria and glass roofs.

We are able to supply an almost unlimited choice of colours and finishes to both the inside and out, along with sloping and frameless vent options.





8 Rooflight Solutions

## **Rooflight Solutions Service**

Rooflight Solutions provides a Bespoke Architectural Glazing service to our customers throughout the Midlands and UK, one that focuses on customer satisfaction at the forefront. We understand that construction projects are reliant upon supplier timescales and budgets, and our goal is to provide our customers with a reliable, honest service by satisfying individual customer needs with a quality product, on time and with no hidden costs.

We also believe it is important to keep up to date with the latest glazing technology and trends within the market, and shall continually improve and develop our products and services to keep up with the latest technology and our customer's feedback.

## **Bespoke Glass Service**

#### Ritec ClearShield

Ritec's ClearShield system has been developed for the renovation, protection and maintenance of glass. ClearShield protected glass is always easier to clean and keep clean, stays cleaner for longer and resists staining and discolouration.

#### Sandblasting

Sandblasting is a popular way to obscure the view and obtain privacy whilst at the same time allowing the transmission of light through glass. Using masks in the sandblasting process it is also possible to create bespoke designs and patterns on the surface of the glass.

#### Solar Control

Solar control glass coatings can be used to minimise solar heat gain in hot climates and help control glare. Solar control glass can be used to minimise, or even eliminate, the use of air conditioning systems which reduces running costs and saves energy.

#### Switchable

We can offer two types of switchable glass LCD and SPD. When a current is applied LCD switchable glass changes from an obscured finish to transparent, SPD on theother hand changes the amount of light passing through going from transparent to dark.











#### Bullet proof Glass

RoofLight Solutions research and development department can now offer a bulletproof glazing service. This can add both security and that extra feeling of safety to your RoofLight. We only use the best suppliers to manufacture these awesome units. Give us a call for a free quote today.

#### Coloured Glass

With this specially processed glass you can introduce vibrant or subtle colour in its most hardwearing or enduring form. Glass can now be back painted or screen printed in either blocks of colour or intricate designs using any RAL or Pantone® colour.

#### **Digitally Printed**

Using a specially developed glass coating technique it is possible to reproduce black and white or full colour images onto the surface of glass. The results are exceptional with excellent colour consistency, depth, brilliance and contrast.

#### Heat Mirror Film

This unique film is secured between sheets of glass and offers unprecedented thermal insulation and comfort. Glass made with this heat mirror technology can have an R-value from 6 to 20 and insulate as well as typical walls, substantially lowering energy bills.

#### **Intergrated Blinds**

Glazing units with integrated blinds are an excellent screen against the sun and offer the possibility to quickly and easily adjust the internal environmental lighting level. This level of light can be adjusted by tilting (venetian) or lowering (pleated) the blinds.

#### Gold Leaf Service

RoofLight Solutions extensive research and development department are proud to introduce our new gold-leafing service. We can gold leaf anything from our pyramids to our electric vents and everything in between! Want to make your neighbours jealous? Why not add the wow factor to your RoofLight today. Mention it to the team for a free quote. THE ULTIMATE ROOFLIGHT!













#### **Mono Pitched Rooflights**

The Rooflight Solutions mono pitched rooflight incorporates a bespoke thermally broken in-house designed aluminium perimeter framework which is designed to sit over a pre-manufactured builders work upstand which should incorporate a fall of 5°, thus creating uninterrupted views and maximising the natural daylight to the room below. The framework is supplied in a hard wearing and low maintenance dual colour polyester powder coated finish (RAL 7015 external, and RAL 9010 internal), and is installed with a high specification double glazed unit incorporating warm edge spacers and low e glass. The glass unit is factory bonded into the frame, all to create a flush silicone filled external surface free from any water or dirt traps.

- Glass U-Valve [W/(m2K)] Ug = 1.1
- Light Transmittance = 78.7%
- Design and Manufactured In the UK
- Bespoke Shapes and sizes available
- Pre Glazed for easy diy Installation





#### Manual Roof Vent

The Rooflight Solutions roof vent incorporates a bespoke thermally broken in-house designed aluminium perimeter framework which is designed to sit over a pre-manufactured builders work upstand with should incorporated a fall of 5°, thus creating uninterrupted views and maximising the natural daylight to the room below. The framework is supplied in a hardwearing and low maintenance dual colour polyester powder coated finish (RAL 7015 external, and RAL 9010 internal), and is installed with a high specification double glazed unit incorporating warm edge spacers and low e glass. The glass unit is factory bonded into the frame, all to create a flush silicone filled external surface free from any water or dirt traps.

- Glass U-Valve [W/(m2K)] Ug = 1.1
- Light Transmittance = 75%
- Design and Manufactured In the UK
- Bespoke sizes available
- Pre Glazed for easy DIY Installation





#### **Mono Pitched Slider**

Rooflight Solutions are pleased to introduce our Mono Pitched Sliding Rooflight. The rooflights offers a cost effective and aesthetic solution to increasing the natural daylight and controllable ventilation to any space, whilst maintaining a contemporary design and high quality product.

The sliding vent incorporates a bespoke in-house designed thermally broken perimeter framework, which sits over the upstand creating an uninterrupted view and maximising natural daylight.

The frame is supplied in a hardwearing and low maintenance polyester powder coated finish, and installed with a high specification warm edge double glazed unit. The glass unit is factory bonded into the frame creating a flush silicone filled external surface free from any water or dirt traps.





#### **Triple Glazed Rooflight**

Rooflight Solutions are pleased to introduce our Triple Glazed Mono Pitched Rooflight within our standard products.

The Triple Glazed Mono Pitched Rooflight offers a cost effective and aesthetic solution to increasing the natural daylight to any space, whilst maintaining a contemporary design and high quality product.

The Triple Glazed Mono Pitched Rooflights incorporate a bespoke in-house designed thermally broken perimeter framework, which sits over the upstand creating an uninterrupted view and maximising natural daylight. The frame is supplied in a hardwearing and low maintenance polyester powder coated finish, and installed with a high specification warm edge double glazed unit.

The glass unit is factory bonded into the frame to create a flush silicone filled external surface free from any water or dirt traps.





#### **Electric Roof Vent**

The Rooflight Solutions roof vent incorporates a bespoke thermally broken in-house designed aluminium perimeter framework which is designed to sit over a pre-manufactured builders work upstand with should incorporated a fall of 5°, thus creating uninterrupted views and maximising the natural daylight to the room below. The framework is supplied in a hardwearing and low maintenance dual colour polyester powder coated finish (RAL 7015 external, and RAL 9010 internal), and is installed with a high specification double glazed unit incorporating warm edge spacers and low e glass.

The glass unit is factory bonded into the frame, all to create a flush silicone filled external surface free from any water or dirt traps.

- Glass U-Valve [W/(m2K)] Ug = 1.1
- Light Transmittance = 75%
- Design and Manufactured In the UK
- Maintainance free
  240 volt chain actuator
- Bespoke sizes available
- Pre Glazed for easy DIY Installation



#### ROOFLIGHT

#### **Circular Rooflight**

The Rooflight Solutions Circular rooflight incorporates a bespoke thermally broken in-house designed aluminium perimeter framework which is designed to sit over a pre-manufactured builders work upstand, thus creating uninterrupted views and maximising the natural daylight to the room below. The framework is supplied in a hardwearing and low maintenance dual colour polyester powder coated finish (RAL 7015 external, and RAL 9010 internal), and is installed with a high specification double glazed units incorporating warm edge spacers and low e glass.

The glass unit is factory bonded into the frame, all to create a flush silicone filled external

surface free from any water or dirt traps.

#### • Glass U-Valve [W/(m2K)] Ug = 1.1

- Light Transmittance = 75%
- Design and Manufactured In the UK
- Bespoke sizes available
- Pre Glazed for easy diy Installation
- Recessed channel for perimeter LED lighting

#### ROOFLIGHT



2901 excl. VAT 1000mm Dia £901 1500mm Dia £1,377

1800mm Dia

Our rooflight Products are supplied with full installation instructions, hardware kit and wiring diagrams to allow installation for any person with practical DIY skills.

£1.730

#### Walk On Rooflight

The Rooflight Solutions walk on glass rooflight incorporates a bespoke thermally broken in-house designed aluminium perimeter framework which is designed to sit over a pre-manufactured builders work upstand with should incorporated a fall of 1°, thus creating uninterrupted views and maximising the natural daylight to the room below. The framework is supplied in a hardwearing and low maintenance dual colour polyester powder coated finish (RAL 7015 external, and RAL 9010 internal), and is installed with a high specification double glazed unit incorporating warm edge spacers and low e glass. The glass unit it is factory bonded into the frame, all to create a flush silicone filled external surface free from any water or dirt traps.

Our rooflights are designed to accommodate a normal domestic floor load of 1.8kN/m2 UDL and a 1.4kN point load, we are able to accept other floor loads but please check with our office first.

- Glass U-Valve [W/(m2K)] Ug = 1.1
- Light Transmittance = 75%
- Design and Manufactured In the UK
- Bespoke Shapes and sizes available
- Pre Glazed for easy diy Installation





Low Maintenance Coating	Solar Control Glazing	Anti Slip	Obscured Interlayer
Add £35 per M <sup>2</sup>	Add £72 per M <sup>2</sup>	Add £200 + £40per M <sup>2</sup>	Add £24per M <sup>2</sup>

#### Walk On Glass Floor

The Rooflight Solutions Glass Walk On Glass Floors incorporate a bespoke thermally broken in-house designed aluminium perimeter framework which is designed to sit over a pre-manufactured builders work upstand with should incorporated a fall of 1°, thus creating uninterrupted views and maximising the natural daylight to the room below. The framework is supplied in a hardwearing and low maintenance dual colour polyester powder coated finish (RAL 7015 external, and RAL 9010 internal), and is installed with a high specification double glazed unit incorporating warm edge spacers and low e glass. The glass unit it is factory bonded into the frame, all to create a flush silicone filled external surface free from any water or dirt traps.

Our Walk On Glass Floors are designed to accommodate a normal domestic floor load of 1.8kN/m2 UDL and a 1.4kN point load, we are able to accept other floor loads but please check with our office first.

- Glass U-Valve [W/(m2K)] Ug = 1.1
- Light Transmittance = 75%
- Design and Manufactured In the UK
- Bespoke Shapes and sizes available
- Pre Glazed for easy diy Installation





#### **Pyramid Rooflight**

The Rooflight Solutions Pyramid rooflight incorporates a bespoke thermally broken in-house designed aluminium perimeter framework which is designed to sit over a pre-manufactured builders work upstand, thus creating uninterrupted views and maximising the natural daylight to the room below. The framework is supplied in a hardwearing and low maintenance dual colour polyester powder coated finish (RAL 7015 external, and RAL 9010 internal), and is installed with a high specification double glazed units incorporating warm edge spacers and low e glass.

The glass unit is factory bonded into the frame, all to create a flush silicone filled external surface free from any water or dirt traps.

- Glass U-Valve [W/(m2K)] Ug = 1.1
- Light Transmittance = 75%
- Design and Manufactured In the UK
- Bespoke sizes available
- Pre Glazed for easy diy Installation Recessed channel for perimeter
- LED lighting



#### ROOFLIGHT

### **Pyramid Sliding Rooflight**

Rooflight Solutions are pleased to introduce our Frameless Pyramid Sliding Rooflight. The pyramid sliding rooflight offers a cost effective and aesthetic solution to increasing the natural daylight and ventilation to any space, whilst maintaining a contemporary design and high quality product.

The Frameless Pyramid Rooflights incorporate a bespoke in-house designed thermally broken perimeter framework, which sits over the upstand creating an uninterrupted view and maximising natural daylight. The frame is supplied in a hardwearing and low maintenance polyester powder coated finish, and installed with a high specification warm edge double glazed unit.

The glass unit is factory bonded into the frame to create a flush silicone filled external surface free from any water or dirt traps.





#### **Entrance Canopy**

The Rooflight Solutions Entrance Canopy provides a modern and light weight solution to the requirement of providing weather protection to your entrances. The design incorporates grade 316 stainless steel rods and fittings, and is supplied with a superior toughened/laminated specification glass pane which remains in situ, even if one of the panes becomes broken.

This allows the span below to remain protected from the weather, and also allows the replacement of the glass at a more convenient time for you. The canopy can be collected from our factory or delivered to your site on one of our fleet of delivery vehicles, and will be supplied with full fitting instruction and setting out drawings.

However, suitable fixings are to be provided by the client to suit the prevailing structure. For more information or to request a quote for your next project please call one of our sales team. We can supply DWG and PDF drawings of the rooflights along with NBS specifications.



#### **Juliet Balcony**

The Rooflight Solutions Juliet balcony provides a modern and light weight solution to the external façade of your building over more traditional wrought iron systems.

The design incorporates Grade 316 stainless steel rails and fittings which provide excellent resistance to weather degradation. The glass is then supplied in a single 12mm toughened panel with all edges polished to provided safety to the building user and installation team whilst fitting.

The balcony is designed to be face fitted to the building superstructure and is fully tested to BS6180:2011. It is designed to accommodate an intended Load resistance of 0.74kN/m line load. The Balcony can be collected from our factory or delivered to your site on one of our fleet of delivery vehicles, and will be supplied with full fitting instruction and setting out drawings.

However, suitable fixings are to be provided by the client to suit the perimeter construction.





1400 (w) x 915 (d) **£495** 2000 (w) x 900 (d) **£562** 

1500mm Wide (to suit max opening of 1240mm) £1,160 1860mm Wide (to suit max opening of 1600mm) £1,192





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