



# the Rooflight Company



The Professionals' Choice

Rooflights for Pitched Roofs

# Contents

|                                                                                    |    |
|------------------------------------------------------------------------------------|----|
| Why the Rooflight Company?                                                         | 3  |
| The Rooflight Company's Project Portfolio                                          | 4  |
| Why specify neo Rooflights?                                                        | 6  |
| neo Case Studies                                                                   | 7  |
| Specification Details for neo Rooflights                                           | 8  |
| Openings, Linings and Blind Options                                                | 9  |
| Blind and Lining Options for neo,<br>the Conservation Rooflight®, and Studio Range | 10 |
| Motor Suitability Chart                                                            | 11 |
| neo steel Sizing                                                                   | 12 |
| neo Fortecom® Sizing Information                                                   | 13 |
| Why specify the Original Conservation Rooflight®?                                  | 14 |
| Long and Cross sections of the Conservation Rooflight®                             | 15 |
| Cutaway View of the Conservation Rooflight®                                        | 16 |
| Specification Details for the Conservation Rooflight®                              | 18 |
| Studio Range and Bespoke Rooflights                                                | 19 |
| Thermoliner®                                                                       | 20 |
| The Conservation Rooflight® Sizing Information                                     | 21 |
| Sizes for The Conservation Rooflight®                                              | 22 |
| The Conservation Rooflight - Case Studies                                          | 23 |
| Studio Rooflight - Linked Range                                                    | 24 |
| Studio Rooflight - Designer Range                                                  | 25 |
| T-Bar Option                                                                       | 26 |
| SDR Option                                                                         | 27 |
| Type A Option                                                                      | 28 |
| Studio Rooflight - Linked Sizes                                                    | 29 |
| Studio Rooflight - Designer Sizes                                                  | 30 |
| Bespoke Rooflights                                                                 | 31 |
| Ironmongery Options for the Conservation Rooflight®,<br>Studio Range and Bespoke   | 32 |
| About the Rooflight Company                                                        | 34 |



Week Farm, The Nicholas Dean Practice  
Bespoke Conservation Rooflights®

Converted loft apartments, London N1  
CR15s - Conservation Rooflights®



the Rooflight Company

# Why the Rooflight Company?

Founded in 1990 by Architect Peter King who designed the original Conservation Rooflight®. The Rooflight Company continues to build on its reputation for innovative and design-led rooflights for the architectural market.

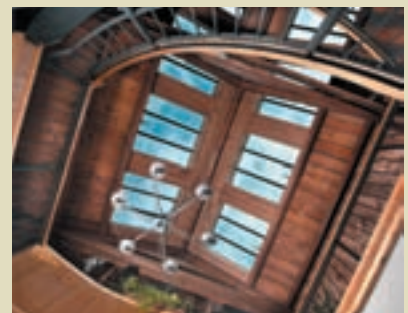
## The neo Rooflight

Offering edge-to-edge glazing and a completely flush appearance, neo is available in a wide range of sizes and formats. neo's clean lines and uncluttered frame are suitable for contemporary as well heritage architecture, as the overall impression is one of a sheet of glass in the roof.



## The Studio Rooflight

The studio range achieves a close-coupled run of Conservation Rooflights® by means of a linking bar system or by multiple casements mounted on one base-frame. The studio range, therefore offers a limitless run of low-profile rooflights, which can also be incorporated into the roof ridge.



## The Conservation Rooflight®

Originally designed by architect and company founder Peter King, the Conservation Rooflight® is the first choice for conservation and heritage projects. This is due to its fine lines, ultra-low profile and genuine glazing bar resulting in the closest replica to the original cast-iron rooflight design. Furthermore the Rooflight Company's Conservation range is the widest on the market and is the only one to offer the unique Thermoliner®.



## Bespoke Rooflights

Bespoke designs to perfectly match your project whether the requirement is to exactly fit the underlying structure of an historic building or to set off an innovative modern design. The Rooflight Company's in-house design team offers full design service and support, on-site surveying and technical support at installation.



## Egress & Access

The Conservation Rooflight® is available in two side-hinged versions which conform to B1 Means of Egress. Most sizes of the neo rooflight offer top-hinged means of escape for quick and easy access to the roof.



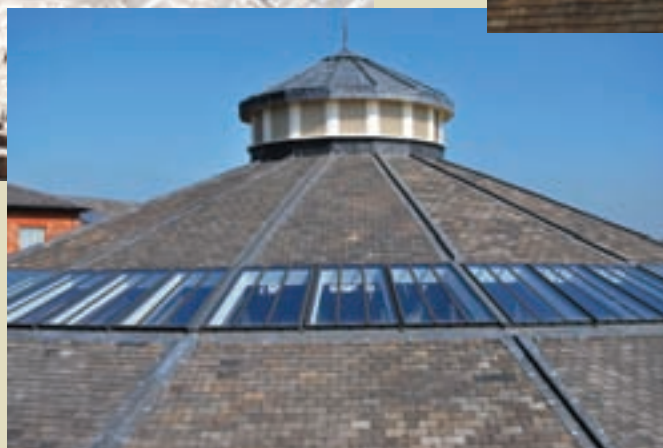
# The Rooflight Company's Project Portfolio



The Public, West Bromwich  
Alsop Architects  
Bespoke Triangular Rooflights



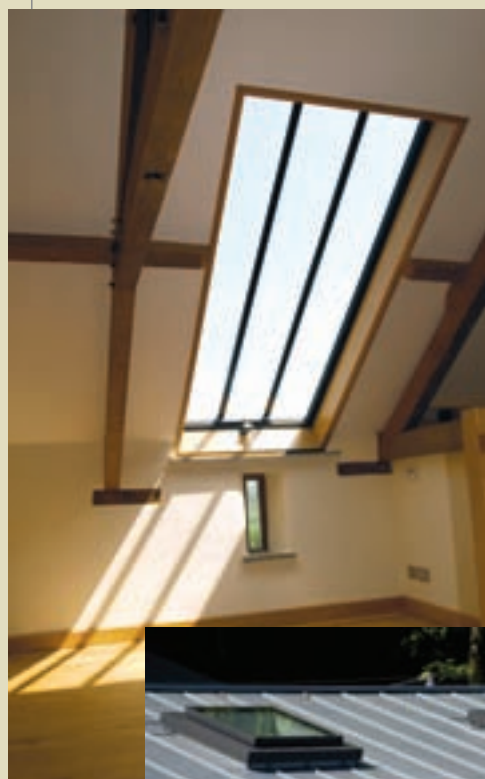
East Meon, Hampshire  
Artists Studio  
Bespoke Rooflight



The Roundhouse, Derby  
Maber Architects  
Bespoke Rooflights, Type A-Linked

Week Farm, Devon  
The Nicholas Dean Practice  
Bespoke Conservation Rooflight®

Yang Sing Hotel, Manchester  
Roberta Fulford  
Bespoke Conservation Rooflights®



Castle Drogo, Devon  
Harrison Sutton Partnership  
Plateau 900mm x 900mm Rooflights



York Way, London  
McDonnell Associates  
Bespoke Plateau 600 x 1800mm



Broadclyst School, Devon  
NPS South West  
57P neo Rooflights



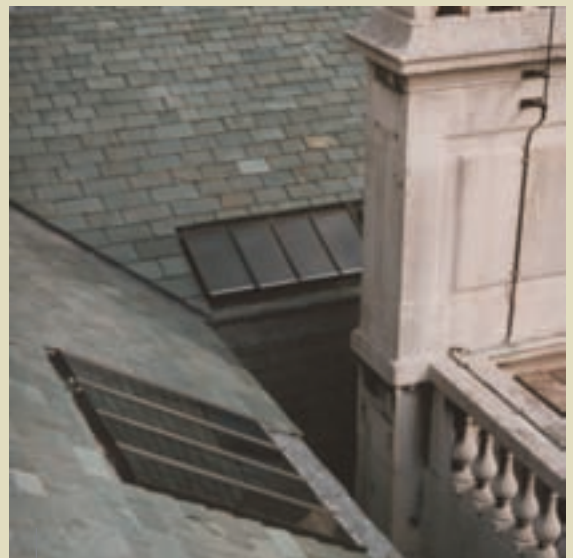
The Coach House, Cardiff  
Loyn & Co Architects  
Studio Linked Rooflights



Residence, Calne, Wiltshire  
Watson, Bertram & Fell Architects  
Bespoke 1.25 x 2.5m Lantern



Clay Field, Suffolk  
Riches Hawley Mikhail Architects  
Bespoke Steel Rooflights



Somerset House, London  
TGB Consult  
40 Bespoke Conservation Rooflights®

# Why specify neo Rooflights?

## Designed from the architect's point of view

neo represents a new concept in rooflight design resulting from a collaboration between The Rooflight Company design team and a group of architects. The result is a rooflight where form and function are equally balanced.

## Frameless Appearance

Due to its edge-to-edge glazing and ultra-low profile, the neo does not dominate the roof; the overall appearance is one of a sheet of glass. These aesthetic advantages are cleverly combined with blinds to suit your interior.

## Clear, uncluttered Views

All models are top-hinged with concealed motors or with a discreet handle at the cill should a manual option be desired. Linings have simple, clean lines so that all you see is natural light.

## Choice

Choose from 15 sizes in Portrait, Landscape or Square format as well as an optional glazing bar where a conservation appearance is more appropriate. For a limitless run of rooflights, a linking system is available for neo steel. See page 23 for details of the linking options available.

## Neat and Easy Installation

The flashing kit ensures neat and easy on-site fitment which blends seamlessly into most roof types.



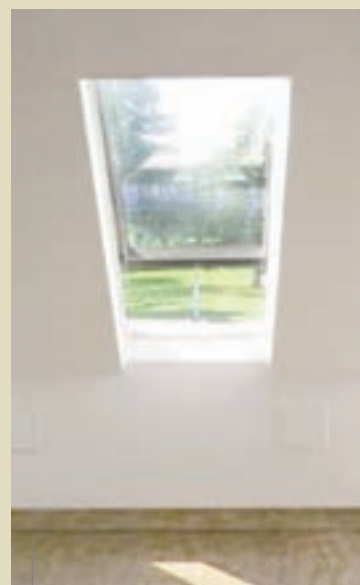
Les Bardeaux, BAS MOOARC Architects

"The rooflights are wonderful and in sympathy with the crisp lines of the design". Jamie Falla



neo 94Ps residence, Cambridge

neo Steel rooflight – provides frameless edge-to-edge glazing and flush installation



neo with motor

Optional glazing bar available with neo steel



# neo Case Studies



Broadclyst Primary School, Devon by NPS South West. Neo 57P

## Broadclyst Primary School, Devon

When architects at NPS South West were briefed to design five new classrooms for Broadclyst Primary School in Devon, they knew they were facing a challenge as the original school building is one of the oldest in the country - a Grade II Listed Georgian building co-owned by the National Trust and Devon County Council.

When it came to the specification of the rooflights both clients were most insistent that they be flush fitting. The neo rooflight from the Rooflight Company presented an ideal solution - it lies flush with the roof, and also has a contemporary appearance. As Project Architect David Price states: "The neo rooflight appealed to me as it is completely flush and frameless." Fortunately the National Trust and both sets of planners concurred.



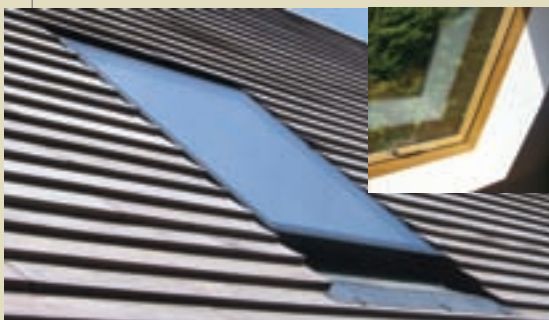
Residence, Cambridge by Sohnius Perry. Neo 94P

## Residence, Cambridge

A major component in the success of this attic conversion in a Victorian end-of terrace house in Cambridge was the selection of neo rooflights. As well as providing light and ventilation, the top-hung neo rooflights can be opened to 600mm thereby enhancing clear views to the west. Other rooflights stand out from the roof and have exposed opening mechanisms, whereas neo has a totally frameless appearance both inside and out.

Architectural Designer, Judith Perry says: "I am delighted with the result. The neo rooflights have clean lines and lie completely flush with the slate roof and their oak linings compliment the specially designed oak doors and windows."

The first of six eco-houses in St Agnes, Cornwall designed by Simon Conder Associates. Neo 93S



## Wheal Friendly Garden, Cornwall

The objective to provide sustainable living accommodation in an idyllic setting has been achieved for six eco-homes in St Agnes, Cornwall. Award-winning architects Simon Conder Associates have designed into the scheme various energy-saving features such as a ground source heat pump, warm and cooling air distributed through an energy-efficient ventilation system and super insulation. The decision to specify the largest square size of neo was based on a desire to maintain a contemporary appearance and have a completely flush frameless rooflight that would not detract from the timber roof. On the inside it is minimalist in appearance and finished with simple oak linings. In line with the sustainable features the rooflight itself ensures a minimum amount of heat loss due to its energy-efficient glazing, low-profile installation and BRE-tested air-tightness.



Les Bardeaux was shortlisted for the RIBA South East Downland Prize 2010.

## Les Bardeaux, Guernsey

Les Bardeaux is a newly-built open-plan family home set within a wooded enclave in Guernsey. Jamie Falla, the Project Architect, was tasked with creating an elegant, sustainable home for the future - ensuring that environmentally sympathetic materials were used to meet the Level 4 and 5 Code for Sustainable Homes. High performance glazing, together with the latest insulating techniques and a renewable energy-heating source, resulted in a house that far exceeds regulations for thermal performance. The use of existing site conditions was a key element of the brief, and the Architect maximised the level of natural light through the use of neo rooflights. Featuring a sleek, contemporary design and flush edge-to-edge glazing, the neo specified by Jamie Falla offers a rooflight that combines unique properties with a frameless, minimalist appearance to complement modern architecture and interiors perfectly in a construction which has earned a BRE Green Guide 'A' rating. Designed entirely from the specifier's point of view, its clean lines merge unobtrusively within the roof line.

# Specification Details for neo Rooflights

## Frame Construction

neo is available in a choice of two materials – Fortecom® and Steel:

### Fortecom®

Fortecom® is a pultruded fibre-reinforced composite which is slim, strong and designed to withstand the most hostile environments. Considered to be in the 'high-tech' league of modern materials, it has a proven track record in demanding environments such as those found in the oil exploration and aerospace industries. With its inherent high mechanical strength and anti-corrosive properties it offers many benefits over traditional materials and the frame comes with a 12 year guarantee.\*

neo Fortecom® outperforms the BRE weather and air tightness requirements of BS 6375: Part 1:2004 and the pultrusion process receives an 'A' rating in the BRE "Green Guide to Composites".

### Steel

The neo Steel frame consists of 3mm steel with a protective coating plus\*\* polyester powder coating and the frame has a guarantee of 12 years.\* The patented Thermoliner® - a thermally decoupled lining ensure condensation control. For full details see p16-17.

## Glazing

The standard glazing specification is 4mm "K" toughened inner, 4mm toughened outer and 16mm argon-filled gap. This provides an average installed U Value of 1.35W/m<sup>2</sup> °K. If a further improved U Value is required, e.g. 1.1W/m<sup>2</sup> °K, this is readily available in addition to 8 specifications including Georgian Wire Cast and Pilkington Activ™ self-cleaning glass. All units are manufactured to BSEN 1279-2 standards.

## Ventilation Areas

Please visit [www.therooflightcompany.co.uk](http://www.therooflightcompany.co.uk) for full details

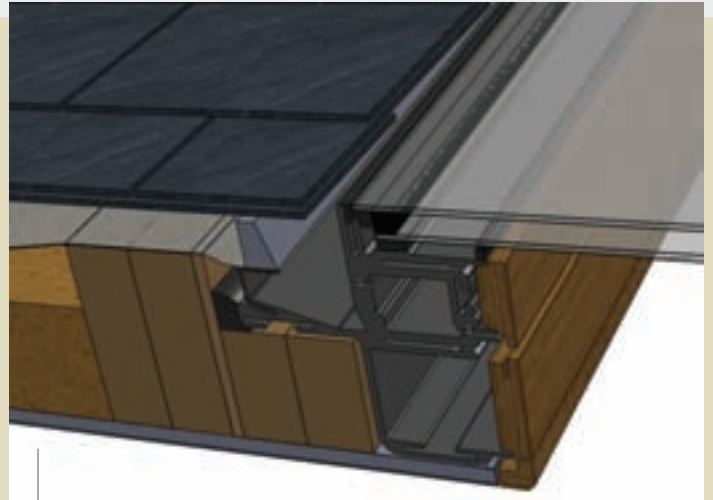
## Rooflights to match any roof covering

The standard colour for the Fortecom® and the Steel version is Umber Grey (RAL 7022). Black (RAL 9005) is readily available as an option. Any RAL colour can be specified to match the roof covering.

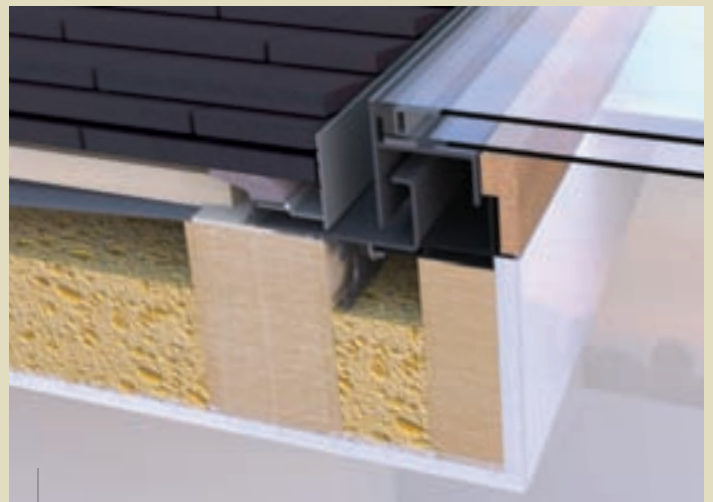
\*Dependent on location and maintenance regime undertaken.

See [www.therooflightcompany.co.uk](http://www.therooflightcompany.co.uk) for details

\*\*GP Korroprimer system on shot blasted steel



Cross-section of neo Fortecom®



Cross-section of neo Steel



# Openings, Linings and Blind options for neo Rooflights



Blackout Roller Blind for neo



Natural Plains Pleated Blind for neo

## neo Blinds

neo Roller and Pleated blinds offer an attractive and practical solution to light control. They sit neatly within the rooflight casement and are pre-tensioned for each size of rooflight. Both versions incorporate easy manual operation and the Pleated blinds are available with electric operation.

There are two fabric ranges to choose from:

- **the Blackout Collection** offers blackout on both Blackout Roller and Pleated options, and are therefore ideal for bedrooms. In addition heat insulating properties help to retain warmth and reflect excessive heat on hot summer days.

- **the Natural Plains Collection**, made from pure cotton provides shading of the room and is suitable for living rooms, bathrooms and kitchens.



Close-up of standard handle

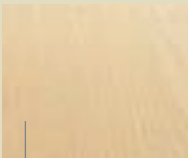


Oak lining

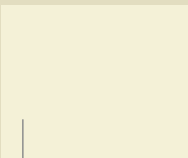
## Linings

Both Fortecom® and steel versions are available with moisture resistant linings (for painting onsite) to match the interior decor. Oak linings are available with Fortecom®.

Please see overleaf for more information on the colour options available.



Oak lining



Moisture resistant lining for on-site painting (shown here painted).

# Blind and Lining Options for neo, the Conservation Rooflight®, and Studio Range



 Cream Conservation Rooflight  
Blackout Rollerblind

Conservation Rooflight® Roller Blinds offer a practical solution to light control. They sit neatly within the rooflight casement, and are pre-tensioned for each size of rooflight.

There are two fabric ranges to choose from: Natural Plains Blinds are made from pure cotton and are excellent for living rooms, bathroom and kitchens. The Blackout Collection is ideal for bedrooms as the fabric offers a darkening of the room. In addition, heat insulating properties help retain warmth within the room and reflect excessive heat on hot summer days. All Roller Blinds include a fastening cleat for securing the cord.

Installation of all blinds is best achieved by a builder or joiner, but could be carried out by a person experienced in DIY.

## Conservation Rooflight® Linings

Moisture resistant linings (for painting on-site) are now available for the Conservation Rooflight®. They create a warm to the touch internal surface and blend in with the rest of the room..

### Roller Blind Colour Options

| Natural Plains                                                                                                                                                                                                                                  | Blackout Collection                                                                             |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
|  White                                                                                                                                                         |  White         |
|  Misty White                                                                                                                                                   |  Feather White |
|  Cream                                                                                                                                                         |  Cream         |
|  Light Grey                                                                                                                                                    |  Vanilla       |
|  Chocolate                                                                                                                                                     |  Cement        |
|  Navy Blue                                                                                                                                                    |  Pale Grey    |
|  Black                                                                                                                                                       |  Mole        |
| 100% cotton semi-transparent roller blinds.                                                                                                                                                                                                     |                                                                                                 |
| Should you have any specific requirements, please call our Customer Services to discuss further options. Alternatively for additional roller blind colours, please visit <a href="http://www.newhousetextiles.com">www.newhousetextiles.com</a> |                                                                                                 |
|  Navy Blue                                                                                                                                                   |                                                                                                 |
|  Cocoa                                                                                                                                                       |                                                                                                 |
|  Black                                                                                                                                                       |                                                                                                 |
| Acrylic-coated fabric which provides darkening of the room, without total blackout                                                                                                                                                              |                                                                                                 |



 Cream Natural Plains Conservation  
Rooflight Pleated Blind

Specifically designed for the Conservation Rooflight®, the Pleated Blinds fit precisely within the rooflight casement. There are two fabric options:

Natural Plains Pleated Blinds prevent glare while softening the light from overhead and provide a wonderfully diffused light.

For situations where a greater degree of light control and privacy is desired, the Blackout Collection offers a darkening of the room without total black-out. The fabric used in the Blackout Collection has heat insulating properties which help to retain warmth within the room and reflect excessive heat on hot summer days. In addition, the fabric is treated with Scotchguard for easy cleaning, and is coated with a fire retardant layer.

For Pleated Blinds out of reach, rod and electronic options are available.

### Pleated Blind Colour Options

| Natural Plains                                                                                | Blackout Collection                                                                       |
|-----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
|  White     |  White |
|  Cream     |  Cream |
|  Beige     |  Green |
|                                                                                               |                                                                                           |
|  Navy Blue |                                                                                           |
|  Black     |                                                                                           |



## Motors

For motor options please refer to the following suitability chart.

For more information on motor options please refer to Customer Services on 01993 833108.

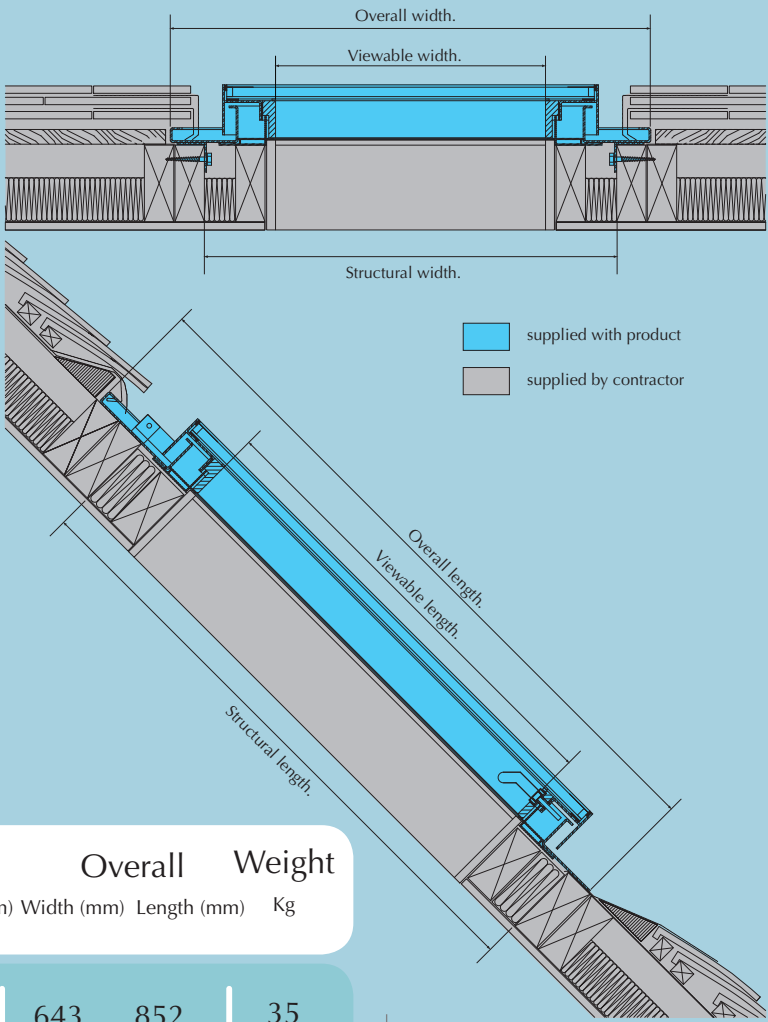
## Motor Suitability Chart

|                        | MAX   | MAC       | Supermaster    | Rack           | Dual Rack  | Double Rack |
|------------------------|-------|-----------|----------------|----------------|------------|-------------|
|                        | 230v  | 230v/24v  | 230v/24v       | 230/24v        | 230v/24v   | 230v/24v    |
|                        | 300mm | 100-400mm | 420mm          | 180mm          | 180mm      | 180mm       |
| Conservation Rooflight |       |           |                |                |            |             |
| CR1                    | •     | •         |                |                |            |             |
| CR1/3                  | •     | •         |                |                |            |             |
| CR2/1                  | •     |           |                | •              |            |             |
| CR3                    | •     | •         |                |                |            |             |
| CR5                    | •     |           |                | •              |            |             |
| CR6                    | •     |           |                | •              |            |             |
| CR7                    | •     |           |                | •              |            |             |
| CR8                    | •     | •         |                |                |            |             |
| CR9                    | •     | •         |                |                |            |             |
| CR10                   | •     | •         |                |                |            |             |
| CR10/1                 | •     |           |                | •              |            |             |
| CR11                   | •     | •         |                |                |            |             |
| CR13                   | •     |           | •              |                |            |             |
| CR14                   | •     |           | •              |                |            |             |
| CR14/2                 | •     | •         |                |                |            |             |
| CR15                   | •     |           | •              |                |            |             |
| CR15/2                 | •     | •         |                |                |            |             |
|                        |       |           |                |                |            |             |
|                        |       | Manual    | Cill Motorised | Jamb Motorised | Fixed Shut |             |
| neo Fortecom           |       |           |                |                |            |             |
| NF38P                  |       | •         |                |                |            | •           |
| NF57P                  |       | •         | •              | •              |            | •           |
| NF63P                  |       | •         | •              | •              |            | •           |
| NF94P                  |       | •         |                |                |            | •           |
| NF150P                 |       |           |                |                |            | •           |
| NF63L                  |       | •         | •              |                |            | •           |
| NF94L                  |       | •         |                |                |            | •           |
| NF150L                 |       |           |                |                |            | •           |
| NF41S                  |       | •         | •              |                |            | •           |
| NF93S                  |       | •         | •              | •              |            | •           |
| neo Steel              |       |           |                |                |            |             |
| Neo-s1                 |       | •         |                |                |            | •           |
| Neo-s2                 |       | •         |                |                |            | •           |
| Neo-s3                 |       | •         |                |                |            | •           |
| Neo-s4                 |       | •         | •              |                |            | •           |
| Neo-s5                 |       | •         | •              |                |            | •           |
| Neo-s6                 |       | •         | •              |                |            | •           |
| Neo-s7                 |       | •         | •              |                |            | •           |
| Neo-s8                 |       | •         | •              |                |            | •           |
| Neo-s9                 |       | •         | •              |                |            | •           |
| Neo-s10                |       |           |                |                |            | •           |
| Neo-s11                |       | •         | •              |                |            | •           |
| Neo-s12                |       | •         | •              |                |            | •           |
| Neo-s13                |       |           |                |                |            | •           |
| Neo-s14                |       | •         | •              |                |            | •           |
| Neo-s15                |       | •         | •              |                |            | •           |

# neo steel Sizing



## Cross Section



Cross-section of typical cold roof construction with clay tiles.

For prices and full installation details, visit [www.therooflightcompany.co.uk](http://www.therooflightcompany.co.uk) or call Customer Services on 01993 833108

## Key Dimensions

| neo®-Steel model | Structural Width (mm) | Structural Length (mm) | Viewable Width (mm) | Viewable Length (mm) | Overall Width (mm) | Overall Length (mm) | Weight Kg |
|------------------|-----------------------|------------------------|---------------------|----------------------|--------------------|---------------------|-----------|
|------------------|-----------------------|------------------------|---------------------|----------------------|--------------------|---------------------|-----------|

portrait

|           |      |      |     |      |      |      |     |
|-----------|------|------|-----|------|------|------|-----|
| Neo®-S1   | 543  | 702  | 283 | 442  | 643  | 852  | 35  |
| Neo®-S2   | 645  | 805  | 385 | 545  | 745  | 955  | 43  |
| Neo®-S3   | 645  | 1108 | 385 | 848  | 745  | 1258 | 55  |
| Neo®-S4   | 727  | 1027 | 467 | 767  | 827  | 1177 | 56  |
| Neo®-S5   | 727  | 1422 | 467 | 1162 | 827  | 1572 | 72  |
| Neo®-S6   | 797  | 1108 | 537 | 848  | 897  | 1258 | 62  |
| Neo®-S7   | 882  | 1222 | 622 | 962  | 982  | 1372 | 71  |
| Neo®-S8   | 882  | 1717 | 622 | 1457 | 982  | 1867 | 94  |
| Neo®-S9   | 1101 | 1413 | 841 | 1153 | 1201 | 1563 | 92  |
| Neo®-S10* | 1207 | 1802 | 947 | 1542 | 1307 | 1952 | 118 |

landscape

|           |      |      |      |     |      |      |     |
|-----------|------|------|------|-----|------|------|-----|
| Neo®-S11  | 1222 | 882  | 962  | 622 | 1322 | 1032 | 76  |
| Neo®-S12  | 1717 | 882  | 1457 | 622 | 1817 | 1032 | 99  |
| Neo®-S13* | 1802 | 1207 | 1542 | 947 | 1902 | 1357 | 124 |

square

|          |      |      |     |     |      |      |    |
|----------|------|------|-----|-----|------|------|----|
| Neo®-S14 | 882  | 882  | 622 | 622 | 982  | 1032 | 56 |
| Neo®-S15 | 1207 | 1207 | 947 | 947 | 1307 | 1357 | 87 |

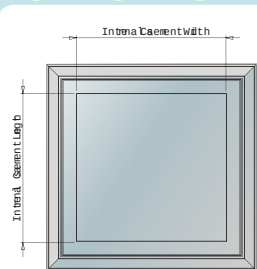
\*Available in fixed shut option only

# neo Fortecom® Sizing Information

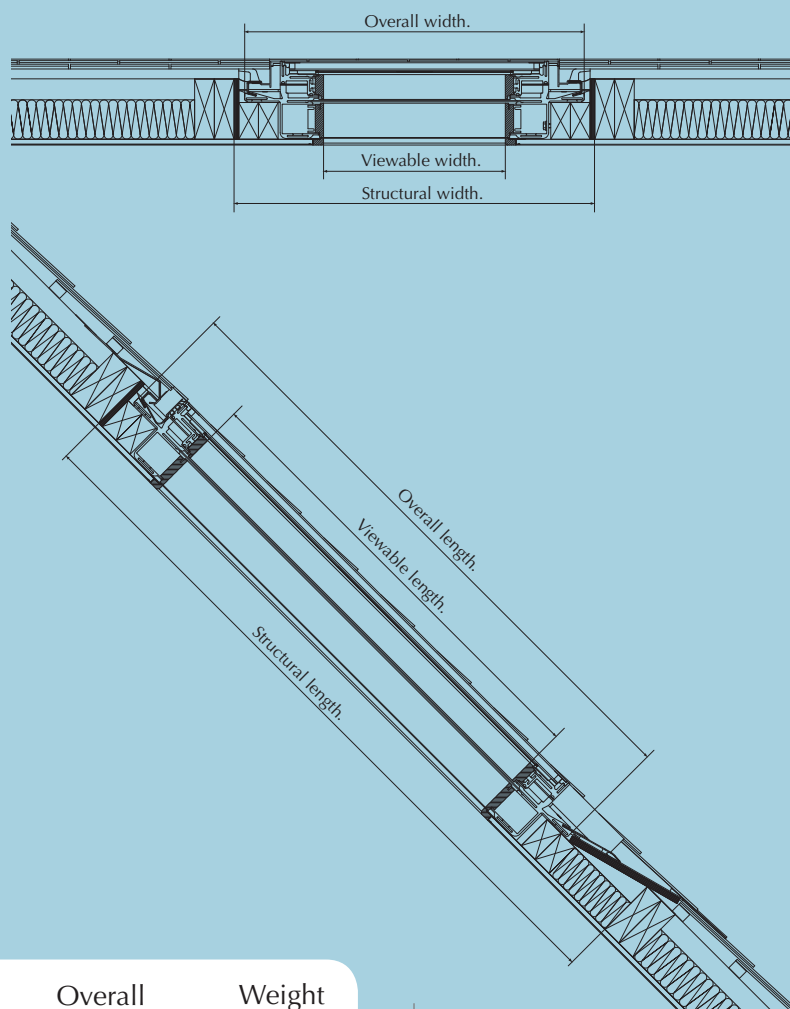


## Size and form reference table

|        | Width<br>485mm | 640mm   | 965mm    | 980mm           | 1475mm   | 1560mm |
|--------|----------------|---------|----------|-----------------|----------|--------|
| Length |                |         |          |                 |          |        |
| 640mm  |                | Neo®41S |          | Neo®63L Neo®94L |          |        |
| 785mm  | Neo®38P        |         |          |                 |          |        |
| 965mm  |                | Neo®93S |          |                 | Neo®150L |        |
| 980mm  |                | Neo®63P |          |                 |          |        |
| 1180mm | Neo®57P        |         |          |                 |          |        |
| 1475mm |                | Neo®94P |          |                 |          |        |
| 1560mm |                |         | Neo®150P |                 |          |        |



## Cross Section



## Key Dimensions

|           | neo®<br>model | Structural |             | Viewable   |             | Overall    |             | Weight<br>kg |
|-----------|---------------|------------|-------------|------------|-------------|------------|-------------|--------------|
|           |               | Width (mm) | Length (mm) | Width (mm) | Length (mm) | Width (mm) | Length (mm) |              |
| portrait  | Neo®38P       | 681        | 981         | 467        | 767         | 861        | 1161        | 54           |
|           | Neo®57P       | 681        | 1376        | 467        | 1162        | 861        | 1556        | 67           |
|           | Neo®63P       | 836        | 1176        | 622        | 962         | 1016       | 1356        | 68           |
|           | Neo®94P       | 836        | 1671        | 622        | 1457        | 1016       | 1851        | 87           |
|           | Neo®150P*     | 1161       | 1756        | 947        | 1542        | 1341       | 1936        | 108          |
| landscape | Neo®63L       | 1176       | 836         | 962        | 622         | 1356       | 1016        | 68           |
|           | Neo®94L       | 1671       | 836         | 1457       | 622         | 1851       | 1016        | 87           |
|           | Neo®150L*     | 1756       | 1161        | 1542       | 947         | 1936       | 1341        | 108          |
| square    | Neo®41S       | 836        | 836         | 622        | 622         | 1016       | 1016        | 54           |
|           | Neo®93S       | 1161       | 1161        | 947        | 947         | 1341       | 1341        | 82           |

\*Available in fixed shut option only

Cross-section of typical cold roof construction with clay tiles, flush fitted.

For prices and full installation details, visit [www.therooflightcompany.co.uk](http://www.therooflightcompany.co.uk) or call Customer Services on 01993 833108

# Why specify the Original Conservation Rooflight®?

The Conservation Rooflight® remains faithful to its Victorian heritage whilst embracing continual technical developments to stay ahead of Building Regulations.

## Traditional Appearance & Approval by Planning Authorities

With its ultra-low profile, fine lines of steel, genuine glazing bar, and silicone fronting to replicate putty, the Original Conservation Rooflight® is the only rooflight combining all these features. It complies with Planning requirements for rooflight installations for Listed buildings and buildings in Conservation Areas including barn and loft conversions (subject to Planning Permission). The range consists of seventeen sizes of top-hinged rooflights and two sizes of side-hinged Egress & Access rooflights, all of which replicate specific Victorian models in their sizes and appearance. Due to its close resemblance to the Victorian cast-iron rooflight and the fact that it lies truly flush in the roof, the Original Conservation Rooflight® is frequently recommended for use in historic property by English Heritage and Local Authority Conservation and Historic Buildings officers. It is continually specified by the National Trust, and has been specified on such projects as the Roundhouse (Derby College), the Natural History Museum, Kensington Palace and the National Library for Scotland.



Flush fitting, genuine glazing bars, slim sections and stepped glazing detail on the bottom edge give the appearance of a single glazed traditional unit

## Performance and Safety

Double glazing units are supplied as standard with a 4mm inner leaf of K toughened glass, a 4mm toughened outer leaf and a 16mm argon-filled gap, achieving an average installed U value of  $1.35\text{W/m}^2\text{K}$  and are guaranteed for five years. If a further improved U value is required, eg  $1.1\text{W/m}^2\text{K}$ , this is readily available. A range of glazing specifications are manufactured in-house to suit your performance needs.

The patented Thermoliner® decoupled lining improves thermal performance and controlling condensation.

The Rooflight Company operates the ISO9001: 2008 Quality Management System which ensures quality and consistency in its products, services and processes. Weather-tightness testing at the BRE on the rooflight design, shows that the design not only "met and substantially exceeded" the requirements of BS6375: Part 1: 1989, but also found the design did not suffer leakage in wind pressure equivalents well beyond Force 12 (hurricane) on the Beaufort scale. The BRE testing also confirmed that the design meets the highest degree of air-tightness required for a window in air-conditioned buildings.



## Long Life and Low Maintenance

All rooflights are made from 3mm mild steel with a protective Korroprimer system on shot blasted steel coating and are polyester powder-coated. No penetrations are permitted to the coating externally after painting to maintain the integrity. Consequently there is a guarantee on the rooflight coating of between 5 and 15 years, depending on location and maintenance. (See website for details). Silicone is used as beading and fronting to the glazing, which has a minimum service life of 5 years. It resembles traditional putty in appearance, but does not require painting or ongoing maintenance. Hinges utilise all stainless steel components for improved longevity. **If you are choosing rooflights for a property in an industrial or maritime area or which is subject to a potentially corrosive or polluted environment call our Customer Services team and ask about the different material specifications (eg stainless steel) we offer to suit your specific needs.** Please note that these areas do not qualify for the same guarantee.

## Versatile and Easy to Install

Pitch roof rooflights are suitable for all pitch roof construction including lead, copper, zinc, standing seam and asphaltic material. The normal pitch angle is between 17.5° and 65°. If your roof pitch falls outside these parameters, please call Customer Service. All rooflights are simple to install, and technical advice is always on hand from the Technical Design team.

A new flashing kit – the only kit available for steel rooflights – can be purchased by the contractor for all pitched roof rooflights from The Rooflight Company. It is designed for quick and easy installation of the rooflight (without the necessity of forming lead soakers) and is suitable for most roof types.

## Dedicated Support Team

As a company founded by an architect, we are unique in truly understanding the needs of architects. Our in-house design team has the capability to take your brief and translate that into a complete solution including technical drawings. For large or bespoke projects we can offer on-site surveys and installation support.

Depending on your requirements we can offer:

- Dedicated design support team
- On-site survey service
- On-site support at installation

Easy-to-follow flashing kit make installation a simple process



Our Design Support Team use the latest CAD Technology to ensure the most relevant design for you.

# Cutaway View of the Conservation Rooflight®



CONSERVATION  
ROOFLIGHT  
MODEL CR-1  
CUTAWAY VIEW



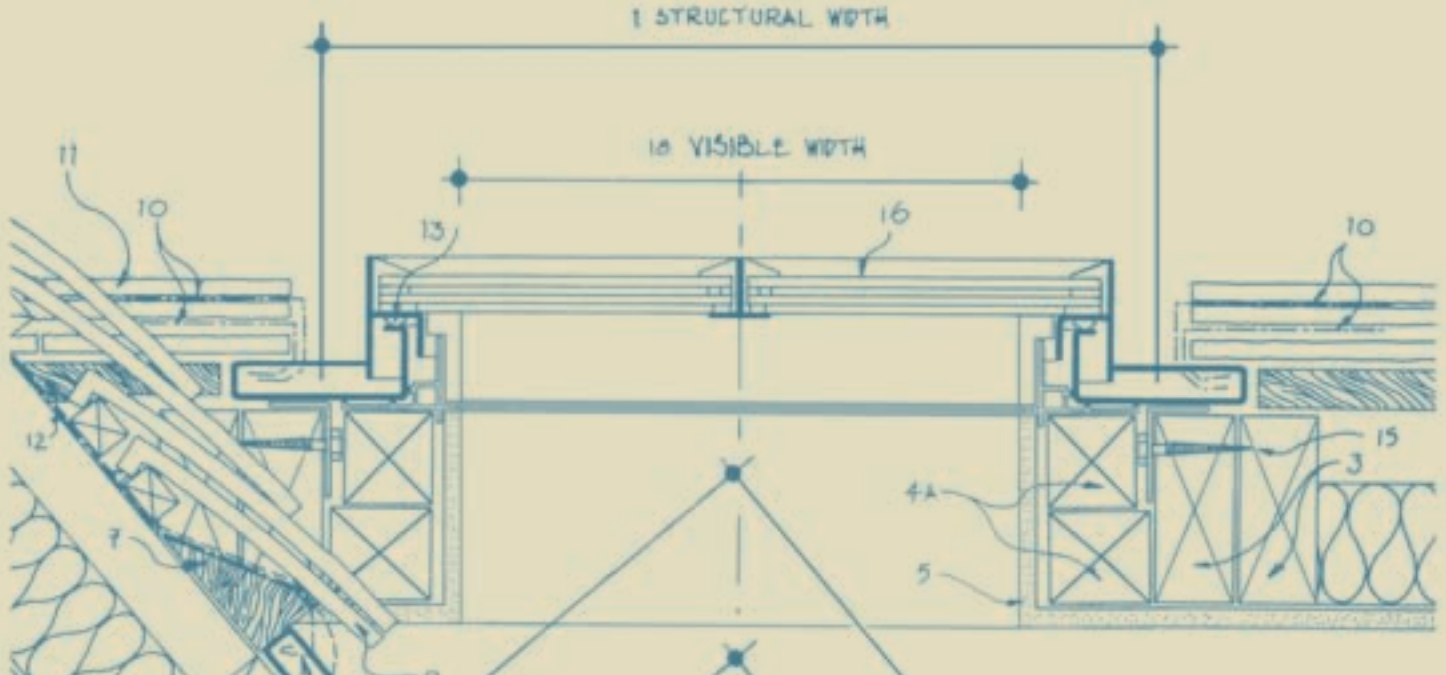
CR-1 UNIT  
1:20 SCALE

## WHAT IS THE CONSERVATION ROOFLIGHT ?

- IT IS A FAITHFUL REPLICA OF A LOW-PROFILE TRADITIONAL CAST-IRON ROOFLIGHT, BUT BROUGHT UP TO DATE BY THE USE OF DOUBLE GLAZING, DRAUGHTSTOPPING AND LONG-LIFE PAINT SYSTEM.

## FEATURES -

- EASY TO INSTALL, AND SUITABLE FOR ALL TILED ROOF COVERINGS.
- OPENABLE FOR VENTILATION + CLEANING.
- SHEET STEEL CONSTRUCTION WITH PROTECTIVE COATING AND POLYESTER POWDER PAINTED (STANDARD COLOUR IS BLACK).
- DOUBLE GLAZED AS STANDARD.\*
- REPLACEABLE CLIP - ON DRAUGHTSTRIP FITTED.
- ROUNDOFFERS OPTIONS AVAILABLE TO SUIT REQUIREMENTS.
- BRITISH MADE.



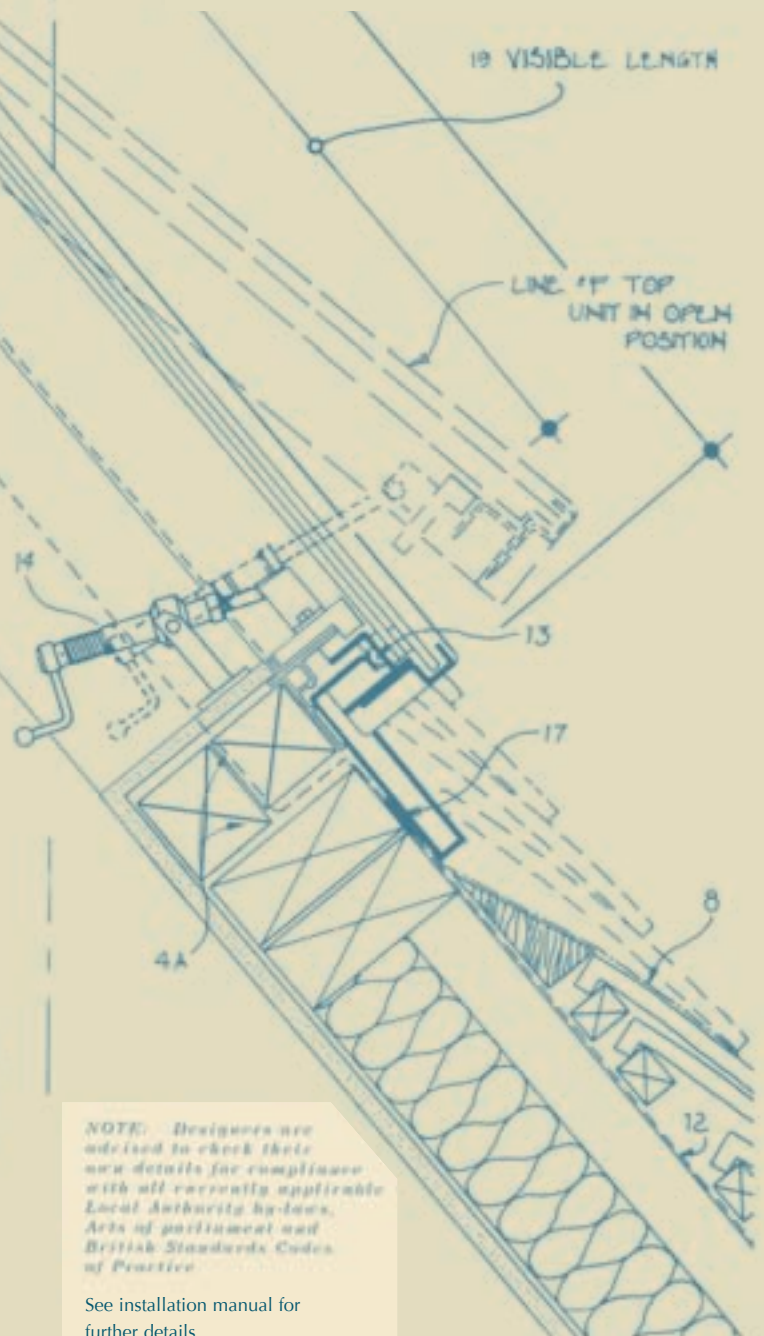
Cross Section

CR-1  
1:5

## Long Section

## Key

- 1 STRUCTURAL WIDTH
- 2 STRUCTURAL LENGTH
- 3 STRUCTURAL SUPPORT MEMBERS  
THESE ARE LOCATED SO AS TO  
PERMIT DIRECT FIXINGS INTO THEM AT  
THE JAMBS
- 4 TRAPPERS AND 4A PACKERS
- 5 PASCIA BOARD SLOTS INTO PRE-FORMED  
RECESS IN THERMOLINER
- 6 THERMOLINER® THERMALLY DECOUPLED LINING
- 7 SHAPED HARDWOOD TILTING FILLET- THIS MUST  
SLOPE DOWNWARD & OUTWARD!
- 8 LEAD FLASHING AT ROOFLIGHT FOOT AND 8A AT  
HEAD (IN SEVERELY EXPOSED AREAS)
- 9 EAVES/UNDERCLOAKING TILE
- 10 LEAD SOAKERS WEATHER JAMB ABUTMENTS AS  
SHOWN. THESE ARE DRY-FIT AND LOW IN  
MAINTENANCE REQUIREMENT
- 11 JAMB TEES MAY REQUIRE CUTTING TO COURSE  
AND FIT
- 12 ROOFING FELT
- 13 NEOPRENE DRAUGHTSTRIP
- 14 OPENING ROLLWINDERY (HAND-WINDER SHOWN HERE  
ON BRACKET SUPPLIED BY TRC)
- 15 FIXING BRACKET & COACH SCREW (SUPPLIED BY TRC)
- 16 DOUBLE GLAZING PANEL
- 17 SEAT THE ROOFLIGHT ON A CONTINUOUS THICK BEAD  
OF LOW-MODULUS NEUTRAL CORE SILICONE
- 18 VISIBLE WIDTH
- 19 VISIBLE LENGTH



*NOTE: Designers are advised to check their own details for compliance with all currently applicable Local Authority by-laws, Acts of parliament and British Standards Codes of Practice*

See installation manual for further details.

# Specification Details for the Conservation Rooflight® Studio Range and Bespoke Rooflights

## How the Thermoliner® works

The unique and patented Thermoliner® thermally decoupled lining made from UPVC ensures that a reduction in condensation problems occur. It is integral to the rooflight frame, inconspicuous and rebated for 12.5mm plasterboard or timber linings to aid internal finishing. The integral drainage slots ensure that any condensation that may occur is drained out of the building. For situations where excessive amounts of condensation may occur e.g. bathrooms and kitchens, a Thermoliner® for the glazing bar(s) can be fitted on request. The Thermoliner® is available in black, white, dark and light grey to match BS colours detailed below. It is always recommended that rooms be well ventilated and that the room temperature be kept as constant as possible particularly in bathrooms and kitchens. Please ask for further advice.

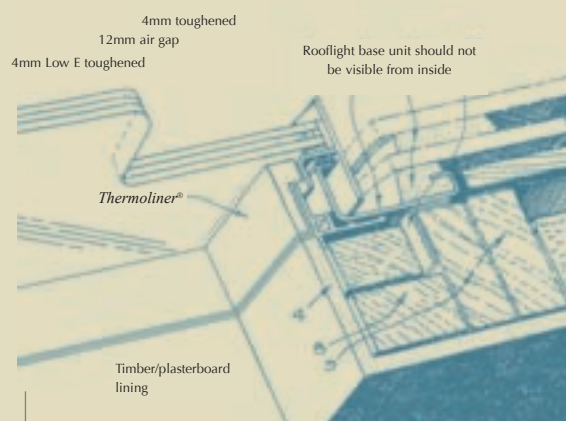
## Glazing

The standard glazing specification is 4mm "K" toughened inner, 4mm toughened outer and 16mm argon-filled gap. This provides an average installed U Value of  $1.35\text{W/m}^2 \text{ }^\circ\text{K}$ . If a further improved U Value is required, e.g.  $1.1\text{W/m}^2 \text{ }^\circ\text{K}$ , this is readily available in addition to 8 specifications including Georgian Wire Cast and Pilkington Activ™ self-cleaning glass.

## Rooflight colour to match any roof covering

Black (RAL9005) is our standard stocked colour but white (RAL9010), dark grey (BS 00A13) and light grey (BS 00A09) are available and can be specified with matching silicone and Thermoliner®. However any colour of paint for the Conservation Rooflight® can be specified according to project requirements.

**Please note that black is our standard colour kept in stock and black is the single colour for Activ Glass.**

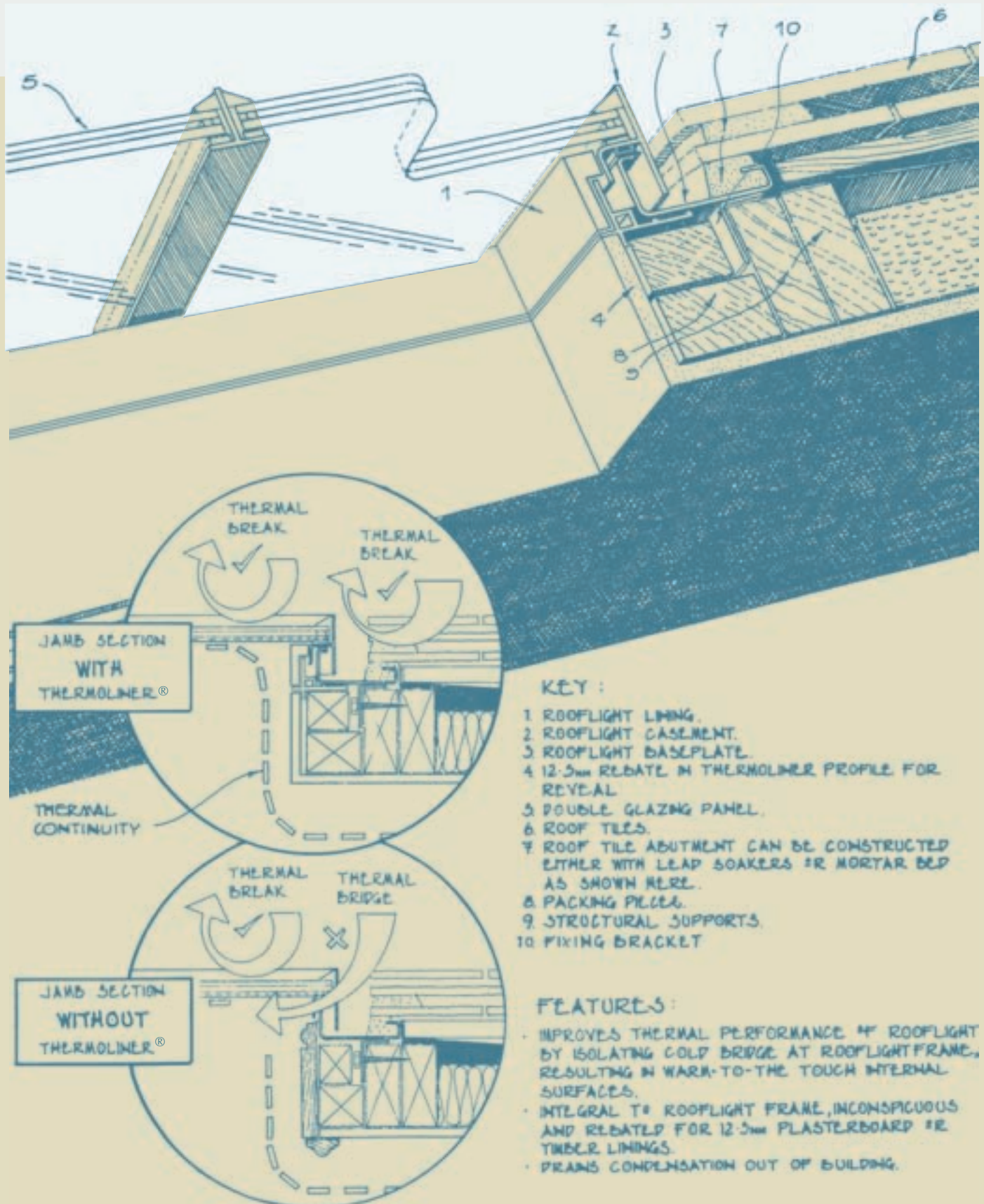


Standard glazing provides an average installed U Value of  $1.35\text{W/m}^2 \text{ }^\circ\text{K}$



# Thermoliner® - Jamb Section for the Conservation Rooflight®, Studio Range and Bespoke Rooflights

Thermally-decoupled



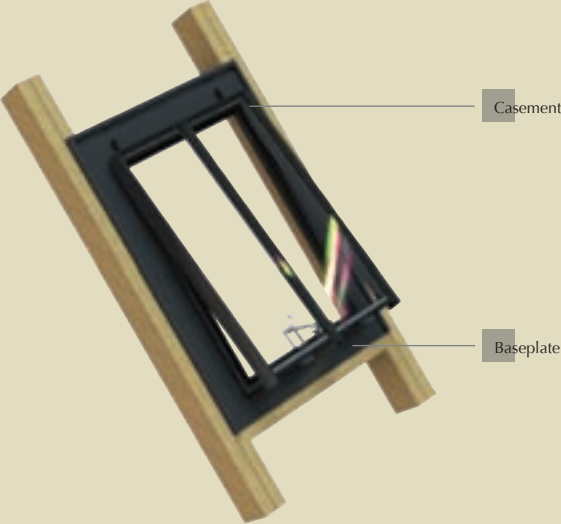
# The Conservation Rooflight®

## Sizing Information

There are seventeen sizes of top-hinged and two side-hinged rooflights. The side-hinged E1 and E2 are fitted with gas struts and comply with B1 means of egress. For regular access to the roof the Access Footplate can be specified as an option, and for easy ingress an external handle and padlock hasp can be added. All Conservation

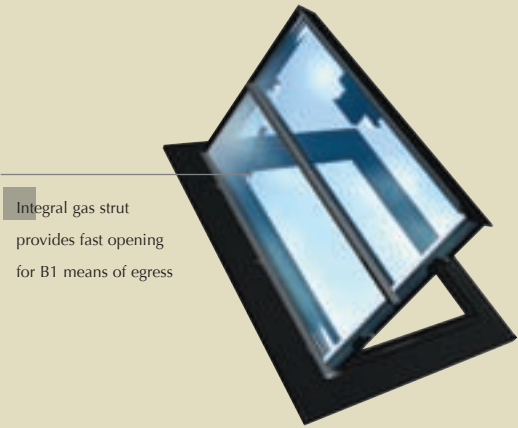
Rooflights® include glazing bar(s) except CR-5, 2/1, 10/1. However, Conservation Rooflights® can be specified without glazing bars. If you do not require glazing bar(s) or if you wish to add a glazing bar, please stipulate. Please contact Customer Service for more details or to discuss your requirements.

Top-hinged rooflight: CR-9

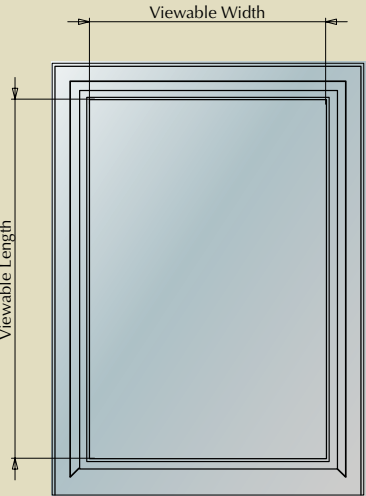


Side-hinged rooflight: E1-LG

(LG = left hinged with glazing bar)



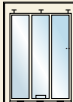
Viewable Area



Key Dimensions table

- Viewable:- The unobstructed viewable area. Inside looking out
- Casement:- The external dimension of the opening sash
- Structural:- Structural opening
- Overall:- Maximum width and length of the baseplate

## Sizes for The Conservation Rooflight®

|                                                                                   |         |                                                                                   |      |                                                                                     |         |                                                                                   |                                                                                       |                                                                                     |                                                                                       |                                                                                     |                                                                                       |      |
|-----------------------------------------------------------------------------------|---------|-----------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|---------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|------|
|  | CR-5    | Top Hinged                                                                        |      |                                                                                     |         |                                                                                   | Egress/Access<br>Side Hinged                                                          |                                                                                     |                                                                                       |                                                                                     |                                                                                       |      |
|  | CR-6    |                                                                                   |      |                                                                                     |         |                                                                                   |                                                                                       |                                                                                     |                                                                                       |                                                                                     |                                                                                       |      |
|                                                                                   |         |  | CR-7 |                                                                                     |         |                                                                                   |                                                                                       |                                                                                     |                                                                                       |                                                                                     |                                                                                       |      |
|                                                                                   |         |                                                                                   |      |    | CR-1    |                                                                                   |    | CR-1/3                                                                              |                                                                                       |                                                                                     |                                                                                       |      |
|  | CR-2/1  |                                                                                   |      |    | CR-8    |                                                                                   |                                                                                       |                                                                                     |                                                                                       |                                                                                     |                                                                                       |      |
|                                                                                   |         |  | CR-3 |    | CR-9    |  | CR-11                                                                                 |  | E1LG                                                                                  |  | E1RG                                                                                  |      |
|  | CR-10/1 |                                                                                   |      |    | CR-10   |                                                                                   |    | CR-13                                                                               |                                                                                       |                                                                                     |                                                                                       |      |
|                                                                                   |         |                                                                                   |      |  | CR-14/2 |                                                                                   |  | CR-14                                                                               |  | E2LG                                                                                |  | E2RG |
|                                                                                   |         |                                                                                   |      |  | CR-15/2 |                                                                                   |  | CR-15                                                                               |                                                                                       |                                                                                     |                                                                                       |      |

For definition of dimensions see page opposite

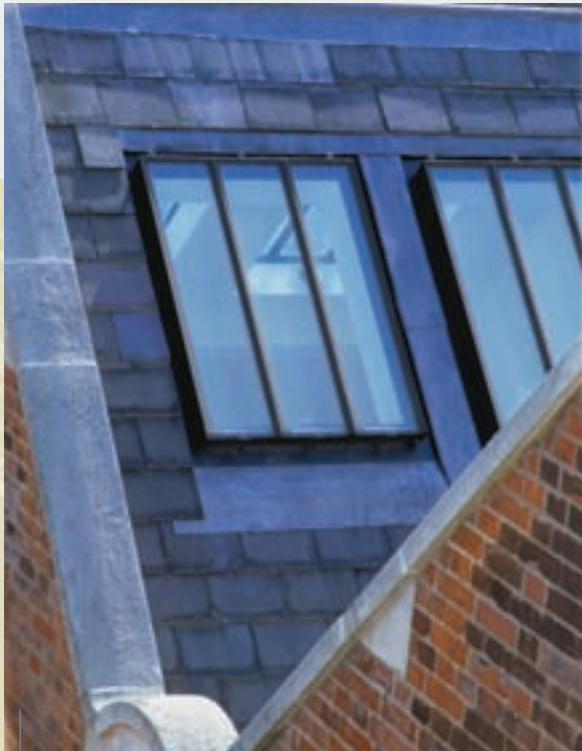
| Model  | Structural  |              | Viewable    |              | Overall     |              | Weight<br>kg |
|--------|-------------|--------------|-------------|--------------|-------------|--------------|--------------|
|        | Width<br>mm | Length<br>mm | Width<br>mm | Length<br>mm | Width<br>mm | Length<br>mm |              |
| CR-1   | 565         | 725          | 365         | 525          | 665         | 875          | 27           |
| CR-1/3 | 1021        | 725          | 821         | 525          | 1121        | 875          | 41           |
| CR-2/1 | 361         | 875          | 161         | 675          | 461         | 1025         | 23           |
| CR-3   | 565         | 1028         | 365         | 828          | 665         | 1178         | 35           |
| CR-5   | 361         | 470          | 161         | 270          | 461         | 620          | 15           |
| CR-6   | 412         | 520          | 212         | 320          | 512         | 670          | 17           |
| CR-7   | 463         | 622          | 263         | 422          | 563         | 772          | 21           |
| CR-8   | 615         | 875          | 415         | 675          | 715         | 1025         | 32           |
| CR-9   | 717         | 1028         | 517         | 828          | 817         | 1178         | 40           |
| CR-10  | 717         | 1180         | 517         | 980          | 817         | 1330         | 45           |

| Model   | Structural  |              | Viewable    |              | Overall     |              | Weight<br>kg |
|---------|-------------|--------------|-------------|--------------|-------------|--------------|--------------|
|         | Width<br>mm | Length<br>mm | Width<br>mm | Length<br>mm | Width<br>mm | Length<br>mm |              |
| CR-10/1 | 361         | 1180         | 161         | 980          | 461         | 1330         | 30           |
| CR-11   | 869         | 1028         | 669         | 828          | 969         | 1178         | 47           |
| CR-13   | 1021        | 1180         | 821         | 980          | 1121        | 1330         | 59           |
| CR-14   | 1021        | 1333         | 821         | 1133         | 1121        | 1483         | 65           |
| CR-14/2 | 717         | 1333         | 517         | 1133         | 817         | 1483         | 50           |
| CR-15   | 1021        | 1635         | 821         | 1435         | 1121        | 1785         | 76           |
| CR-15/2 | 717         | 1635         | 517         | 1435         | 817         | 1785         | 60           |
| E1LG    | 802         | 1028         | 537         | 848          | 902         | 1178         | 41           |
| E1RG    | 802         | 1028         | 537         | 848          | 902         | 1178         | 41           |
| E2LG    | 802         | 1333         | 537         | 1153         | 902         | 1483         | 50           |
| E2RG    | 802         | 1333         | 537         | 1153         | 902         | 1483         | 50           |

For prices please see separate price list, [www.therooflightcompany.co.uk](http://www.therooflightcompany.co.uk) or contact Customer Services. See page 32 for ironmongery options.

Conservation Rooflights® can be specified without glazing bars. Please contact Customer Services.

# The Conservation Rooflight - Case Studies



**Hoffman Building** CR-15s

A 17th and 18th century former theatre and college in North London, converted into 41 contemporary loft apartments by Copthorn Homes, and includes over one hundred Conservation Rooflights® of varying sizes from the Rooflight Company.



**Porth Farm, National Trust, Cornwall** CR-9s

This National Trust property is a good example of the use of Conservation Rooflights® in a rural environment. They are specified in hundreds of National Trust properties throughout the country. As one Regional Manager commented: 'We use original Conservation Rooflights® since they are a very discreet product. This is because they are set flush and do not stand proud of the roof'.

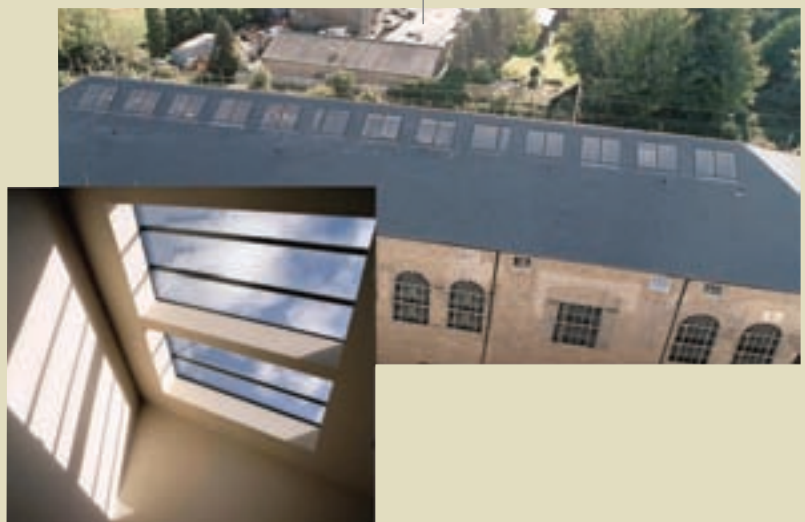


**Lechlade Mill, Gloucestershire** E1-RG, 2 x CR-9s

Side-hinged Escape Rooflights which have the same appearance as top hinged rooflights are available in two sizes and sit truly flush in the roof. A footplate can be included for regular access.

**The Carriages, Ware** 30 Bespoke

This Grade II Listed former railway goods shed was converted into 24 luxury apartments. The inclusion of 30 Bespoke Conservation Rooflights® contributed to the granting of planning consent.



# Studio Rooflight - Linked Range



Studio-Linked rooflights on a coach house,  
Cardiff



External view of Coach House.



The Maggie's Centre, Glasgow by Page and  
Park Studio-Linked CR 15s

## The Conservation Rooflight® Studio Range

For projects requiring a run of finely detailed low-profile rooflights, the Studio Rooflight Range provides the ideal solution. The context may be historic or contemporary, but the successful outcome of any project demands excellent design and performance. That is precisely what you get with the Studio Range from the Rooflight Company. There are two possibilities within the range:

**Studio-Linked Range** - Linking bar links standard Conservation Rooflights®

**Studio-Designer Range** - One base-plate, multiple casements

## The Studio-Linked Range

This range offers the possibility of linking 11 sizes of standard Conservation Rooflights® in a cost-effective way. Since this is achieved by means of the Linking 'T-bar', (see page 25 for detail) there is no limit to the number of same length rooflights in a run, where the widths and lengths can vary but all casements are openable.

## Case Study - The Coach House, Cardiff

In order to create natural light from above for a converted Victorian coach house (pictured left), ten linked Conservation Rooflight® CR-13's were specified. A special roof ridge detail was designed with five either side of the ridge. The architect was particularly pleased with the slender sight lines on the roof as opposed to the somewhat "chunky" appearance of modern-style rooflights.

## The Maggie's Centre, Glasgow

The Maggie's Centre in Glasgow was designed by architects Page and Park and is situated in a formerly derelict listed Victorian gate lodge. Two linked Conservation Rooflights® were specified by architect Karen Nugent, who commented: "Although the Maggie's Centre has a substantial new-build element, we wanted the old and the new parts to sit in harmony with each other. The exterior appearance of the slim-profiled metal rooflights on the new pitched lead roofs is ideal in helping to achieve this".

## Sizing Information

### Studio Rooflight - Linked Range

Installation of the Studio-Linked range requires no modification to the Conservation Rooflight®. The Linking 'T-bar' is also a standard item; both can be purchased from stock. The comprehensive Installation Manual ensures a precise and trouble-free installation.

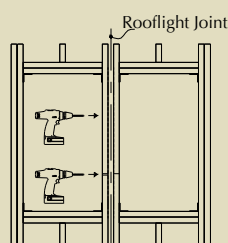


Diagram 1

Identifies the positioning of the Linking 'T-bar', which is situated between the rafters on Studio-Linked installations and requires a 10mm gap between the rafters for the length of the rooflight.

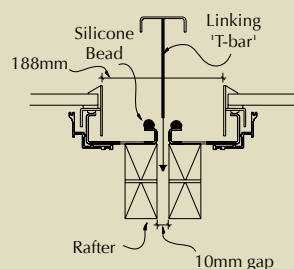


Diagram 2

Demonstrates how the Linking 'T-bar' slots into the gap between the rafters/rooflights and is set upon a non-visible bed of silicone. This results in a 188mm gap between casements.

# Studio Rooflight - Designer Range



Studio-Designer rooflight consisting of 4xCR-15 casements on 2 base-plates, converted 18C. mill, Gloucestershire



Internal view of above

Studio-Designer rooflight consisting of 3xCR-15 casements on one base-plate, Wardour Castle, Wiltshire



The Conservation Rooflight® Studio-Designer range utilises casements from the standard Conservation Rooflight® range assembled on to one single purpose-designed base-plate, casements are only 12mm apart. The result is a completely seamless run of rooflights, any or all of which can be opened.

There is the possibility of 13 sizes and up to five casements of the same size per base-plate. The benefit of using one base-plate is that no rafters interrupt the internal and external appearance of the rooflight ensuring spacings are minimal; a simple U-channel (12mm) links the casements. Most BS colour and glazing options are available.

The Studio-Designer range is an ideal method of allowing large amounts of light penetration on a pitched roof while maintaining an elegant internal and external appearance. Should the need arise for an extended run of Studio-Designer rooflights, this can be achieved by utilizing the Linking 'T-bar' detailed on p25. Alternatively for an entirely seamless run of rooflights, a 'Type A' Linking Detail can be specified. This is integral to the base-plate and is detailed in Diagram 3.

Should you require a special size, shape or colour, please contact our Customer Services on 01993 833108 and ask for the "Bespoke--" Department

## Case Study - Wardour Castle, Wiltshire

Wardour Castle in Wiltshire (pictured left) is a magnificent Grade 1 Listed Building converted into apartments. The owner wished to maximize the ingress of natural daylight into the attic space for conversion into living accommodation. English Heritage were consulted and they insisted on maintaining the classical style of the roof, which boasts an impressive 250 year old dome. The result was their specification of the Studio-Designer rooflight measuring 3m x 1.5m, made up of three CR-15 casements on one base-plate along with ten standard Conservation Rooflights®. The outcome is a wonderfully lit space while enhancing the external appearance of the property.

## Sizing Information

### Studio Rooflight - Designer Range

Studio-Designer rooflights can be installed on virtually any roof finish. The comprehensive Installation Manual ensures a precise and trouble-free installation. If a specific framing diagram is required please contact the Technical Design Department for detailed cross-sections.

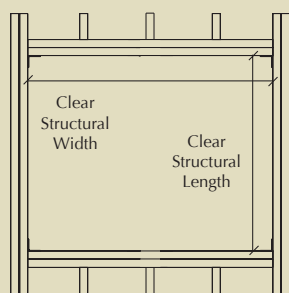


Diagram 1 Shows the generic framing diagram which forms the opening for Studio-Designer rooflights.

Diagram 2

Shows a view and cross-section of the U-channel, an intermediate junction between casements. All casements both fixed and opening are in the same plane with a distance of 12mm between them.

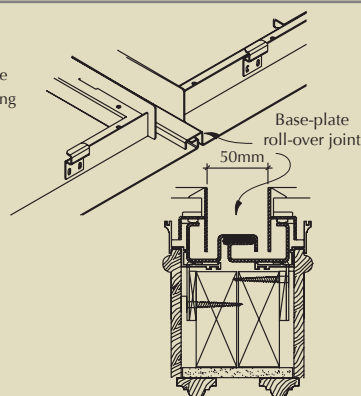
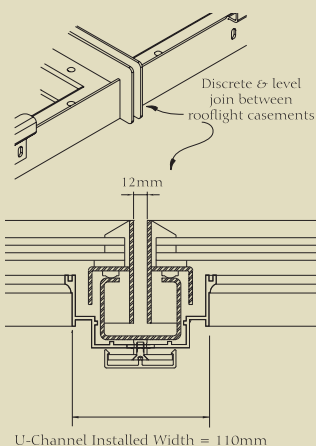


Diagram 3

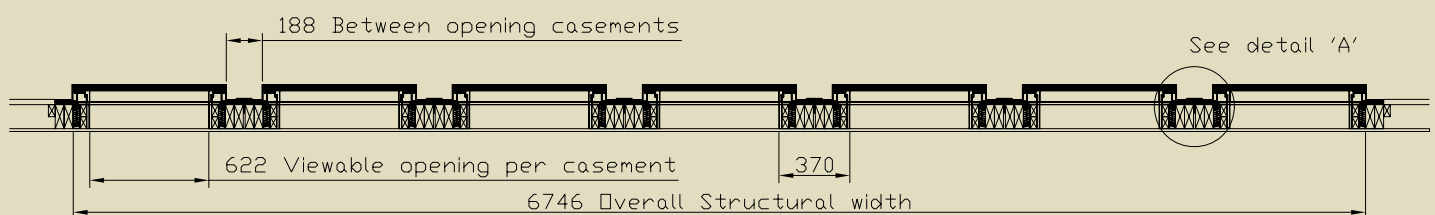
Shows the 'Type A' Linking Detail, which is integral to the base-plate and enables linkage of multiples of Studio-Designer rooflights resulting in a gap of only 50mm between casements. The alternative to this option is the Linking 'T-bar' (detailed on p19) which is a standard element and can be purchased from stock opening are in the same plane with a distance of 12mm between them.

# T-Bar Option 188mm gap between casements

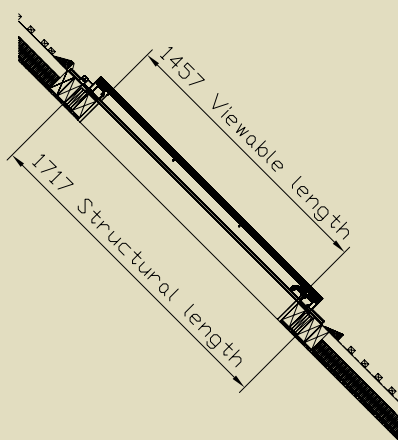
For projects requiring a run of finely detailed, low-profile rooflights, the Linked Conservation or neo steel provide the ideal solution.

The T-Bar option offers the possibility of linking 11 sizes of Standard Conservation Rooflights® in a cost-effective way. With this method of linking there is no limit to the number of same length rooflights in a run.

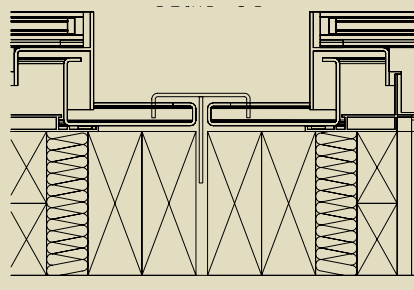
## Cross Section neo S8



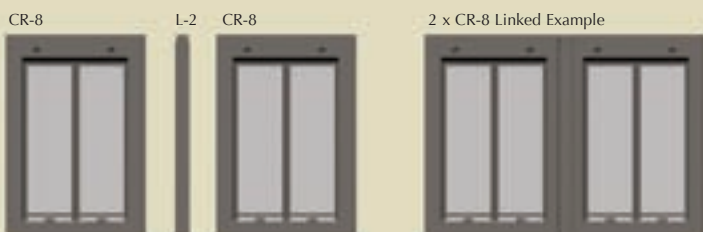
## Long Section



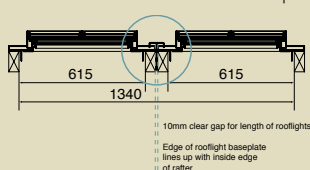
## Detail 'A'



## Conservation Rooflight® T-Bar Example



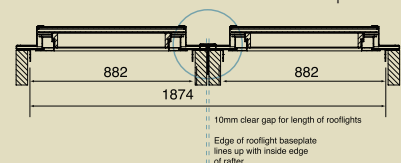
2 x CR-8 Linked Structural Width Example



## neo Rooflight T-Bar Example



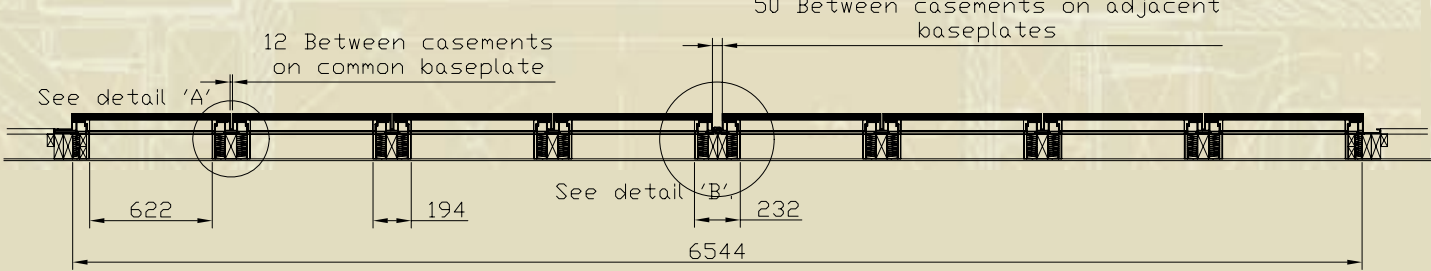
2 x neo SB Linked Structural Width Example



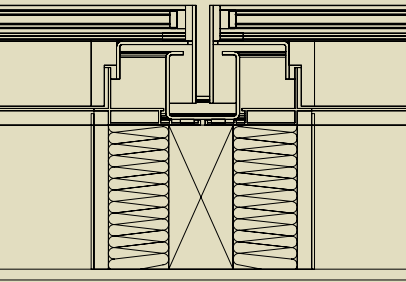
# SDR Option 12mm gap between casements

The “SDR” option utilises standard neo steel or Conservation casements which are assembled onto a single, purpose designed base-plate. The result is a seamless run of rooflight casements a mere 12mm apart which can vary in width with any or all being opening or fixed shut.

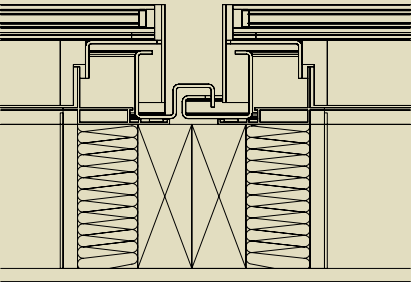
Cross Section neo S8



Detail 'A'



Detail 'B'



## Conservation Rooflight® SDR Example

3 x CR-8 on common baseplate



6 x neo S8 SDR Linked Example



## neo Rooflight SDR Example

3 x neo S8 on common baseplate



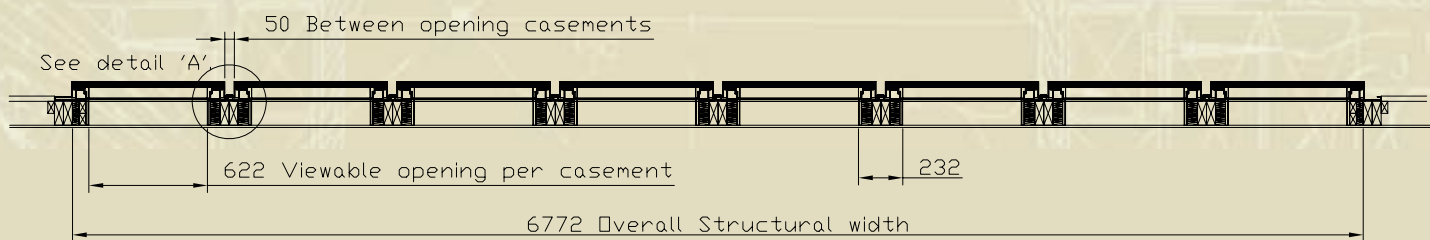
6 x neo S8 SDR Linked Example.



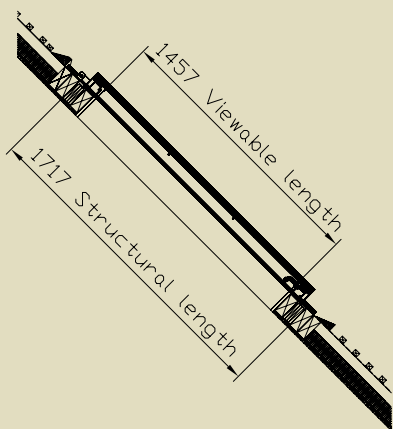
# Type A Option 50mm gap between casements

“Type A” linking requires a modification to the base plate and results in a gap of 50mm between casements on separate base-plates.

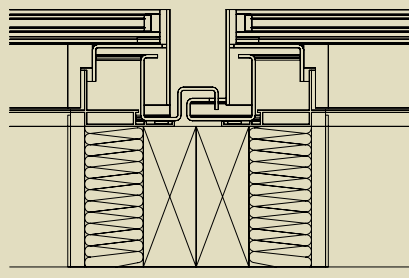
Cross Section neo S8



Long Section

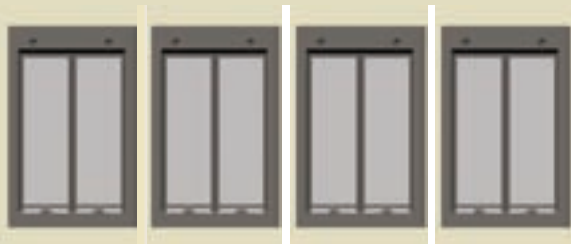


Detail 'A'



Conservation Rooflight® Type A Example

CR-8 on Type A modified baseplates



neo Rooflight T-bar Example

4 x CR-8 on Type A Linked Example.



neo Rooflight Type A Example

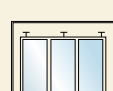
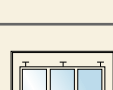
neo S8 on Type A modified baseplates



4 x neo S8 Type A Linked Example



# Studio Rooflight - Linked Sizes

|                                                                                        |                                                                                        |                                                                                        |                                                                                            |                                                                                           |                                                                                            |
|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
|  L-1  |  CR-1 |                                                                                        |                                                                                            |                                                                                           |                                                                                            |
|  L-2  |                                                                                        |  CR-8 |                                                                                            |                                                                                           |                                                                                            |
|  L-3  |  CR-3 |                                                                                        |  CR-9     |  CR-11 |                                                                                            |
|  L-4  |                                                                                        |                                                                                        |  CR-10    |                                                                                           |  CR-13  |
|  L-5  |                                                                                        |                                                                                        |  CR-14/2  |                                                                                           |  CR-14  |
|  L-6 |                                                                                        |                                                                                        |  CR-15/2 |                                                                                           |  CR-15 |

| Model | Clear Structural |              | Clear Viewable |              | Weight<br>kg | Price*<br>exc. VAT |
|-------|------------------|--------------|----------------|--------------|--------------|--------------------|
|       | Width<br>mm      | Length<br>mm | Width<br>mm    | Length<br>mm |              |                    |
| CR-1  | 565              | 725          | 365            | 525          | 27kg         | £392               |
| CR-3  | 565              | 1028         | 365            | 828          | 35kg         | £450               |
| CR-8  | 615              | 875          | 415            | 675          | 32kg         | £448               |
| CR-9  | 717              | 1028         | 517            | 828          | 40kg         | £487               |
| CR-10 | 717              | 1180         | 517            | 980          | 45kg         | £528               |
| CR-11 | 869              | 1028         | 669            | 828          | 47kg         | £552               |

| Model   | Clear Structural |              | Clear Viewable |              | Weight<br>kg | Price*<br>exc. VAT |
|---------|------------------|--------------|----------------|--------------|--------------|--------------------|
|         | Width<br>mm      | Length<br>mm | Width<br>mm    | Length<br>mm |              |                    |
| CR-13   | 1021             | 1180         | 821            | 980          | 59kg         | £640               |
| CR-14   | 1021             | 1333         | 821            | 1133         | 65kg         | £705               |
| CR-14/2 | 717              | 1333         | 517            | 1133         | 50kg         | £568               |
| CR-15   | 1021             | 1635         | 821            | 1435         | 76kg         | £855               |
| CR-15/2 | 717              | 1635         | 517            | 1435         | 60kg         | £711               |

Linking Bar Prices: L-1 = £49, L-2 = £49, L-3 = £52, L-4 = £52, L-5 = £69, L-6 = £69

## Pricing Examples:

2 x CR-8 Linked

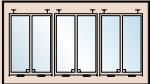
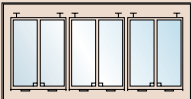
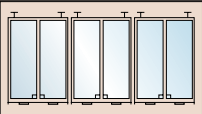
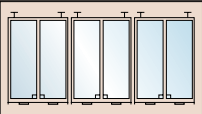
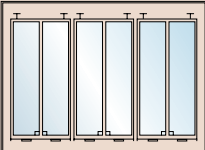
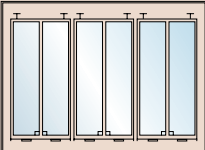
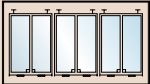
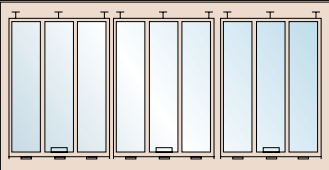
$$\begin{array}{ccccccc}
 \begin{array}{c} \text{CR-8} \\ \text{£448} \end{array} & + & \begin{array}{c} \text{L-2} \\ \text{£49} \end{array} & + & \begin{array}{c} \text{CR-8} \\ \text{£448} \end{array} & = & \begin{array}{c} \text{2 x CR-8 Linked} \\ \text{£945} \end{array}
 \end{array}$$

2 x CR-14/2,  
1 x CR-14 Linked

$$\begin{array}{ccccccc}
 \begin{array}{c} \text{CR-14/2} \\ \text{£568} \end{array} & + & \begin{array}{c} \text{L-5} \\ \text{£69} \end{array} & + & \begin{array}{c} \text{CR-14} \\ \text{£705} \end{array} & + & \begin{array}{c} \text{L-5} \\ \text{£69} \end{array} & + & \begin{array}{c} \text{CR-14/2} \\ \text{£568} \end{array} & = & \begin{array}{c} \text{2 x CR-14/2, 1 x CR-14 Linked} \\ \text{£1979} \end{array}
 \end{array}$$

\*All prices include the patented Thermoliner® and exclude VAT and delivery. We will be happy to provide details and quotations for ironmongery options and delivery to site.

# Studio Rooflight - Designer Sizes

| Example                                                                                        | Code | Description                      | Clear Structural Width (mm) | Clear Structural Length (mm) | Price* exc. VAT |
|------------------------------------------------------------------------------------------------|------|----------------------------------|-----------------------------|------------------------------|-----------------|
| <br>CR-1      | SD01 | Made up of 2 x CR-1 casements    | 1064                        | 725                          | £1215           |
|                                                                                                | SD02 | Made up of 3 x CR-1 casements    | 1563                        | "                            | £1650           |
|                                                                                                | SD03 | Made up of 4 x CR-1 casements    | 2062                        | "                            | £2098           |
|                                                                                                | SD04 | Made up of 5 x CR-1 casements    | 2561                        | "                            | £2517           |
|                                                                                                | SD09 | Made up of 2 x CR-3 casements    | 1064                        | 1028                         | £1364           |
|                                                                                                | SD10 | Made up of 3 x CR-3 casements    | 1563                        | "                            | £1874           |
|                                                                                                | SD11 | Made up of 4 x CR-3 casements    | 2062                        | "                            | £2398           |
|                                                                                                | SD12 | Made up of 5 x CR-3 casements    | 2561                        | "                            | £2892           |
| <br>CR-8      | SD13 | Made up of 2 x CR-8 casements    | 1164                        | 875                          | £1313           |
|                                                                                                | SD14 | Made up of 3 x CR-8 casements    | 1713                        | "                            | £1801           |
|                                                                                                | SD15 | Made up of 4 x CR-8 casements    | 2262                        | "                            | £2297           |
|                                                                                                | SD16 | Made up of 5 x CR-8 casements    | 2811                        | "                            | £2764           |
| <br>CR-9    | SD17 | Made up of 2 x CR-9 casements    | 1368                        | 1028                         | £1368           |
|                                                                                                | SD18 | Made up of 3 x CR-9 casements    | 2019                        | "                            | £2000           |
|                                                                                                | SD19 | Made up of 4 x CR-9 casements    | 2670                        | "                            | £2471           |
|                                                                                                | SD19 | Made up of 4 x CR-9 casements    | 2670                        | "                            | £2471           |
| <br>CR-10   | SD20 | Made up of 2 x CR-10 casements   | 1368                        | 1180                         | £1496           |
|                                                                                                | SD21 | Made up of 3 x CR-10 casements   | 2019                        | "                            | £2075           |
|                                                                                                | SD22 | Made up of 4 x CR-10 casements   | 2670                        | "                            | £2658           |
|                                                                                                | SD22 | Made up of 4 x CR-10 casements   | 2670                        | "                            | £2658           |
| <br>CR-14/2 | SD23 | Made up of 2 x CR-14/2 casements | 1368                        | 1333                         | £1644           |
|                                                                                                | SD24 | Made up of 3 x CR-14/2 casements | 2019                        | "                            | £2296           |
|                                                                                                | SD25 | Made up of 4 x CR-14/2 casements | 2670                        | "                            | £2951           |
|                                                                                                | SD25 | Made up of 4 x CR-14/2 casements | 2670                        | "                            | £2951           |
| <br>CR-15/2 | SD26 | Made up of 2 x CR-15/2 casements | 1368                        | 1635                         | £1903           |
|                                                                                                | SD27 | Made up of 3 x CR-15/2 casements | 2019                        | "                            | £2683           |
|                                                                                                | SD28 | Made up of 4 x CR-15/2 casements | 2670                        | "                            | £3455           |
|                                                                                                | SD28 | Made up of 4 x CR-15/2 casements | 2670                        | "                            | £3455           |
| <br>CR-1      | SD29 | Made up of 2 x CR-11 casements   | 1672                        | 1028                         | £1578           |
|                                                                                                | SD30 | Made up of 3 x CR-11 casements   | 2475                        | "                            | £2225           |
|                                                                                                | SD33 | Made up of 2 x CR-13 casements   | 1976                        | 1180                         | £1779           |
|                                                                                                | SD34 | Made up of 3 x CR-13 casements   | 2931                        | "                            | £2544           |
|                                                                                                | SD35 | Made up of 2 x CR-14 casements   | 1976                        | 1333                         | £1994           |
|                                                                                                | SD36 | Made up of 3 x CR-14 casements   | 2931                        | "                            | £2862           |
|                                                                                                | SD37 | Made up of 2 x CR-15 casements   | 1976                        | 1635                         | £2285           |
|                                                                                                | SD38 | Made up of 3 x CR-15 casements   | 2931                        | "                            | £3302           |
| <br>CR-14   | SD35 | Made up of 2 x CR-14 casements   | 1976                        | 1333                         | £1994           |
|                                                                                                | SD36 | Made up of 3 x CR-14 casements   | 2931                        | "                            | £2862           |

\*All prices include the patented Thermoliner® and exclude VAT and delivery.

We will be happy to provide details and quotations for ironmongery options and delivery to site.

# Bespoke Rooflights

## Setting Your Design Apart

Special buildings require Bespoke rooflights. Whether it is to exactly fit the unique underlying structures of an historic building or set off an innovative modern design, Bespoke rooflights accentuate a building's character. In a world dominated by the mass-produced, a Bespoke rooflight from the Rooflight Company, with its minimalist lines and tailor-made proportions sets a design apart.

Where there are unusual brief requirements, the Rooflight Company relishes a challenge. Examples of meeting challenges set by architectural practices such as Zaha Hadid and Purcell Miller Triton are illustrated throughout this brochure and in the case study section of our website.

## Dedicated Support Team

As a company founded by an architect, we are unique in truly understanding the needs of architects. Our in-house design team has the capability to take your brief and translate that into a complete solution including technical drawings, on-site surveys and installation support.

For large projects or Bespoke rooflights we can offer:

- Dedicated design support team
- On-site survey service
- On-site support at installation

## Whatever shape, colour or size required

Bespoke rooflights can:

- be virtually any size, shape or colour
- be installed to pitched or flat roofs of any roof type
- incorporate any specification required
- be made to fit closely to any existing structure
- have any finish regime depending on appearance and longevity requirements. Stainless steel is also available
- include access/egress or smoke venting & sound proofing
- be manufactured to withstand marine or hostile environments

Bespoke rooflights benefit from all the characteristics of the rooflights detailed in this brochure, including tested weathertightness, the patented Thermoliner® thermally decoupled lining and protective finishes.

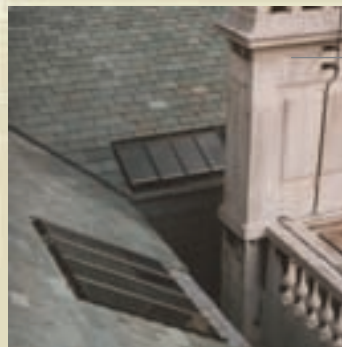
Contact our Bespoke department to discuss your requirements on 01993 833117 / 833143



Will Alsop Architects specified 29 Bespoke triangular rooflights

### The Public, West Bromwich

Bespoke rooflights can be any size, shape or colour. These triangular rooflights were specified for "The Public" project, West Bromwich by Will Alsop Architects.



A grey-olive colour was specified for these rooflights to match the original Cumberland slate tiles.

### Somerset House, London

The brief at Somerset House was to replicate 40 bespoke wooden rooflights dating from 1900. With access to the roof being a major problem, the main priority was low maintenance, hence the decision to specify steel rooflights with a protective coating. The different sizes and shapes of existing rooflights required painstaking survey and draughting accuracy.



Clay Field - 24 affordable houses, Elmswell, Suffolk  
Riches Hawley Mikhail Architects

### Clay Field, Suffolk

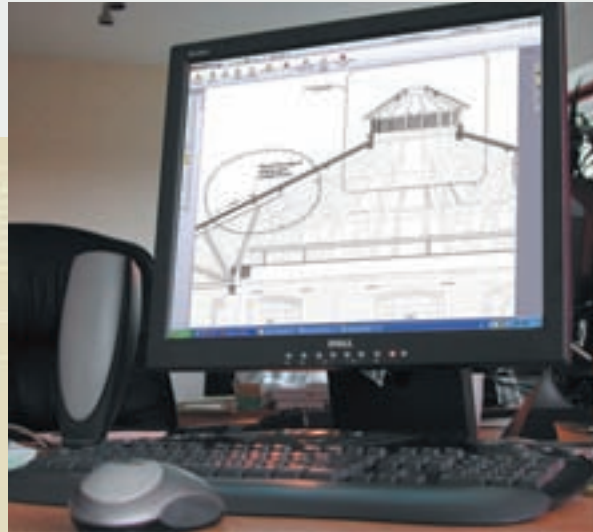
The brief to the Rooflight Company was to design and manufacture frameless rooflights in order to maximise natural daylight and passive solar gain. The rooflights were also required to create visual interest and impact.

A total of 81 specially designed steel rooflights in 7 different sizes varying from 1.2 x 2m to 0.5 x 0.85m were installed.



Photograph of the Roundhouse in the 1860's

Simply discuss your requirements or send drawings to our experienced design team.



Our CAD and 3D modelling capability ensures that Bespoke rooflights are carefully and accurately designed. With 3D modelling you are able to easily visualise the end product.

## Examples of the varied projects involving Bespoke rooflights

- Historic rooflight replacement at the Empire and Commonwealth Museum, Bristol, (36 in total).
- Natural History Museum, London.
- Rooflights to fit historic roof structure at Pendennis Castle, Falmouth, Cornwall for English Heritage.
- Bespoke rooflights for Kensington Palace.
- Rooflights for the National Library of Scotland, Edinburgh.



The Roundhouse won the RCIS 2010 project of the year.

### Roundhouse, Derby - Maber Architects

Built in 1839 the Roundhouse at the Grade II\* listed Derby Railway Works has been restored and transformed for Derby Colleges by Maber Architects and Bowmer and Kirkland. The roof of the Roundhouse itself posed the largest challenge, both because of its poor state and because it offered one of the few opportunities to improve the thermal performance. Part of the reconstruction of the roof included the reinstatement of a circle of 48 trapezoidal rooflights, of which 36 had to open remotely using electric actuators. These rooflights needed to be 2.3m long and follow the line of the roof hip, but with straight bars.

The project also included 64 'Studio Designer' rooflights (closely linked Conservation Rooflights®) measuring up to 3m x 1.6m, installed on former carriage shops and engine sheds closely matching the runs of original rooflights.

# Ironmongery Options for the Conservation Rooflight®, Studio Range and Bespoke

## Pole winders for rooflights out of reach

### Option K

Brass telescopic pole winder  
150mm

### Option D

Brass telescopic pole winder  
300mm

### Option L

Chrome plated telescopic pole winder 150mm

### Option C

Chrome plated telescopic pole winder 300mm

### Option M

Anodised aluminium pole winder 300mm

### Option T

Anodised aluminium pole winder 500mm

### Option P

Cord operated gear 300mm

## Poles - Required to operate Pole Winders

Option F Aluminium 1.0m length

Option G Aluminium 1.5m length

Option H Aluminium 2.0m length

Option I Aluminium 1.75-3.0m telescopic

## Hand winders for rooflights within reach

### Option A

Brass telescopic hand winder  
150mm

### Option E

Brass telescopic hand winder  
300mm

### Option J

Chrome plated telescopic hand winder 150mm

### Option B

Chrome plated telescopic hand winder 300mm

### Option W

Anodised aluminium wheel on chrome plated hand winder  
150mm

### Option Y

Black wheel on brass hand winder  
150mm

## Cleaning the Conservation Rooflight®

All sizes of Conservation Rooflight® can be cleaned from the inside with the aid of a Cleaning Tool, which is optionally available.

## Electric chain actuators

### Option MAC MOTOR

230v, 24v 100 - 400mm adjustable

### Option SUPERMASTER MOTOR

230v, 24v 420 - 600mm

The selection of actuator depends on the rooflight size and application. Please discuss your specific requirements with Customer Service. Rain, Temperature and Smoke sensors are available on request. Please discuss your specific requirements with Customer Service.

An on/off switch is required for these products. Please ask for details

## Electric rack actuators

### Option Rack

Electric linear actuator 230v, 24v 180-750mm

### Option Double Rack\*

Electric linear actuator 230v, 24v 180mm

### Option Dual Rack\*

Electric linear actuator 230v, 24v 180mm

\* Please note a coupling rod is required to operate these motors

## Electric linear actuators

### Option AU-Max

Electric linear actuator 230v  
300mm & 500mm

# The NEW Flashing Kit for all pitched rooflights from the Rooflight Company



Quick, neat and easy installation  
right first time – every time!

- Designed for quick, neat and easy on-site fitment.
- Available in both lead and lead replacement at the cill.
- Universal design suits all roof tile types.
- Seamlessly blends into roof construction.
- Cost effective compared to traditional flashing.

## Typical Rooflight Installation Components

Roof tiles

Rooflight casement

Rooflight baseplate

Head tilting fillet

Cill tilting fillet

\* Lead-free waterproof high grade membrane installed and worked in a similar way to traditional lead flashing

## Flashing Kit Components

Roofing felt to integrate with contractors roofing felt

Jamb Flashing Assembly consisting of UPVC soaker upstand, weathering foam and attached roofing felt

Lead-free waterproof\* head flashing

Lead-free waterproof\* soakers

Lead-free waterproof\* cill flashing

## Details of Jamb Flashing Assembly

Weathering foam strip compressed in situ

UPVC upstand with cutter guides to aid on site trimming to roofing material



# About the Rooflight Company

## How it all Began

In the late 1980s architect Peter King noticed that modern rooflights were not appropriate or allowed on historic properties, and that the only alternative was the single-glazed cast-iron rooflight based on the Victorian design. He set about designing a modern version which replicated the appearance of that model, while ensuring modern standards of insulation, weathering and manufacture.



Peter King RIBA founder of the Rooflight Company.



Conservation Rooflight® CR - 13, Kelmscott, Oxfordshire

## Great Design is at the heart of all our rooflights

The result was the Conservation Rooflight® which is as valid today as it was 20 years ago. The design, which has been subjected to extreme weathering from Tyree in North West Scotland to Canada has been continually developed to ensure the best performance credentials of its type. The two main reasons cited for specification of all our products are performance and aesthetics. That is why our rooflights have been specified by practices such as Zaha Hadid, Will Alsop, and Purcell Miller Triton, and are installed in buildings such as the Natural History Museum and Somerset House.

## Innovation and Development

With the development of our new frameless rooflights in the neo® range, we have created a product that is completely different from anything else on the market. The design was a direct result of collaboration with architects and due to its low-profile frameless flush fitting it has been specified on projects by practices which include John McAslan and Partners and Simon Conder Associates.



2 neo 57P's, residence, Cambridge

  
the Rooflight Company





# the Rooflight Company

A trading name of The Metal Window Company Ltd.

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Registered address: The Old School House, Leckhampton Rd.,  
Cheltenham, GL53 OAX Company No. 2881879

In the interest of continuous product development, it may be necessary to amend specifications without alteration to technical literature. All drawings and designs are the Copyright and Designright of The Metal Window Company Ltd.

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January 2011



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INVESTOR IN PEOPLE



RECYCLE



Approved to ISO 9001  
LPCB ref. no. 803

The Rooflight Company is committed to sustainable environmental practices.  
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