

THE
ROOFLIGHT CO.
COTSWOLDS

The Original Conservation Rooflight

Product Portfolio 2024



Harness the beauty of
natural light from above.



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PRODUCT OVERVIEW

THE ORIGINAL CONSERVATION ROOFLIGHT

The Conservation Rooflight is the original low profile historic skylight, combining the highest modern performance standards with an authentic traditional appearance. Favoured by English Heritage, the National Trust and Planning / Conservation Officers, it is available in a wide range of sizes, along with a Bespoke Design Service.

The Conservation Rooflight enables our customers to transform properties with natural lighting from above which not only serves their practical needs but enhances the design and beauty of the building.

We are passionate about Conservation Rooflights. For us, it's the small and often overlooked details that make The Original Conservation Rooflight the authentic choice for properties of architectural significance.



A TRULY AUTHENTIC ROOFLIGHT

When it comes to the finer details of a Conservation Rooflight, there are several features that must be included to ensure the true characteristics of the original Victorian roof windows are protected. Planners and Conservation Officers look for these characteristics when approving building projects. Whilst most features such as being top hung with exposed hinges, having glazing bars and a flush finish are better known, there are more intricate details that make a truly authentic Conservation Rooflight. These include the following three vital elements:

o **A Single Glazed Appearance** – The original Victorian rooflight was only available with a single pane of glass using a 1” overlap at the cill. With modern thermal performance requirements, double glazed units are now essential to support the protection of our environment and conserve energy. We achieve this through a 25mm stepped glazing edge to the double glazing. Not a millimetre more, not a millimetre less.

o **Glazing Clips** – In the Victorian era, a single pane of glass was held in place with putty and clips. Whilst modern technology ensures our glazing units today are secured firmly in place, we still retain the use of glazing clips at the cill of the rooflight to reference back to that original design feature. The visual is further enhanced through a hand-applied perimeter bead of silicone which mirrors the putty of old.

o **Fine Lines** – Due to the manufacturing capabilities of the 1800s, the original cast iron framework was minimal. In the 21st century, thermally efficient rooflights require a thermally de-coupled frame structure to minimise heat loss. Our Design Engineers have developed the perfect balance, achieving the much-desired authentic fine lines, whilst simultaneously and consistently delivering Building Regulation compliant thermal performance.





PERFORMANCE CHARACTERISTICS

All our rooflights are manufactured under a quality management system independently certified by LPCB to ISO 9001 (certificate no. 929). The Original Conservation Rooflight is conformity marked in accordance with harmonised product standard EN 14351-1 (Windows & Doors).

	AIR PERMEABILITY The measure of how well a material allows air to flow through it. Our rooflights are tested to test method EN 1026.	PERFORMANCE Class 4
	WATERTIGHTNESS The measure of how well rooflights keep water out. Our rooflights are tested to test method EN 1027.	PERFORMANCE Class E1050
	⁻¹ THERMAL TRANSMITTANCE OF WINDOW (U_w) The rate of heat transfer through the whole window. Our rooflights are tested to test method EN ISO 10077-2.	PERFORMANCE 1.4 W/m²K
	⁻¹ THERMAL TRANSMITTANCE OF GLASS (U_g) The rate of heat transfer through the glazing unit only. Our rooflights are tested to test method EN 673.	PERFORMANCE 1.0 W/m²K
	SOLAR ENERGY TRANSMITTANCE The measure of how much heat from the sun passes through the window. Our rooflights are tested to test method EN 410.	PERFORMANCE 0.53 (53%)
	LIGHT TRANSMITTANCE The measure of how much light can pass through the glazing. Our rooflights are tested to test method EN 410.	PERFORMANCE 0.71 (71%)
	ACOUSTIC VALUE OF THE GLAZING (R_w) This is a sound reduction rating measured in decibels (dB). Our glazing is in accordance with test method EN 12758.	PERFORMANCE 31 (-1; -4)dB
	INSULATING GLAZING UNITS Our glazing units are BSI Kitemarked. Tested in accordance with EN 1279-2 and EN 1279-3.	PERFORMANCE KM 93754
	STRUCTURALLY BONDED GLAZING BARS The glazing bars are structurally bonded to the glazing. Tested to a 90 degree peel, 300mm/min to ensure longevity of adhesion.	PERFORMANCE 50.2 N/cm
	CORROSION PROTECTION The polyester powder coated frame has been tested in accordance with EN ISO 12944.	PERFORMANCE C5-M Long

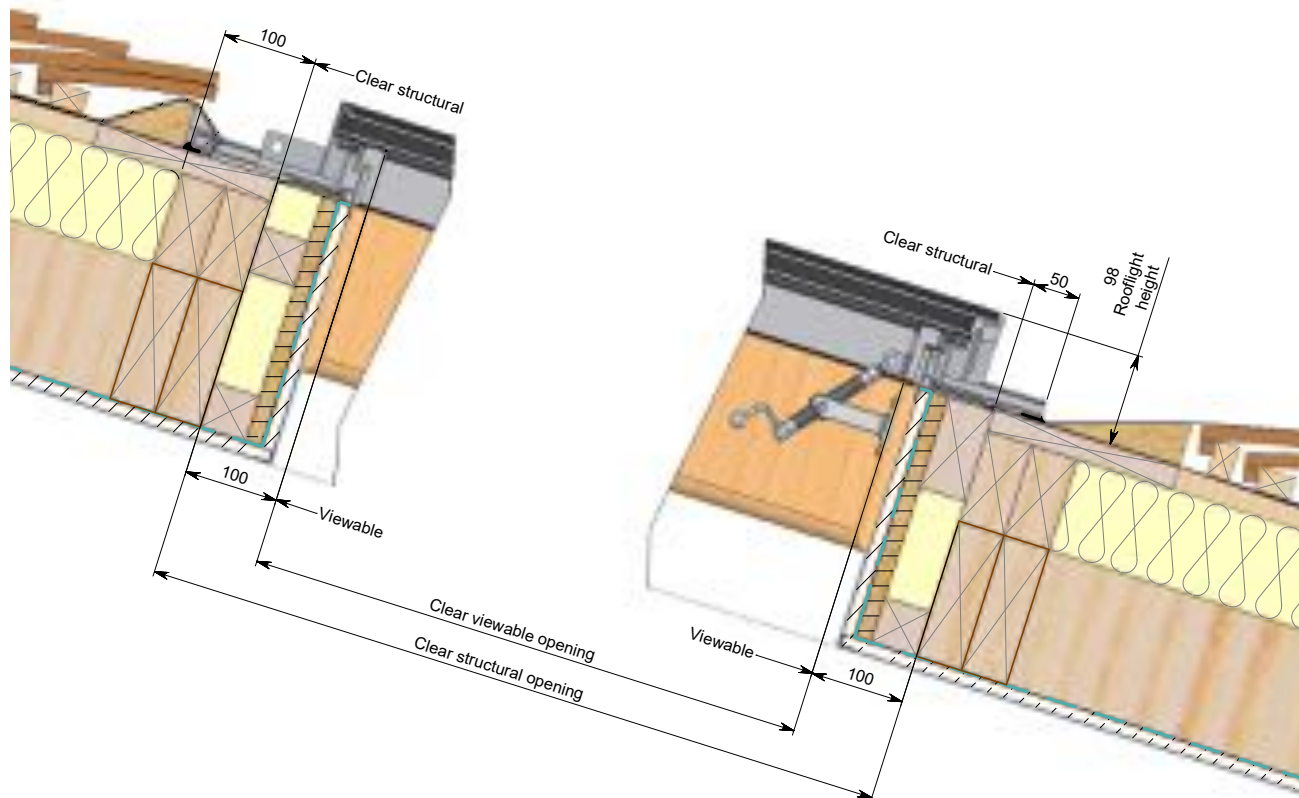
⁻¹ Thermal transmittance values calculated in the vertical plane.

⁻² 4mm Clear Toughened Outer (16mm Argon Cavity) 4mm Low e Toughened Inner

STANDARD 'ON THE RAFTER' INSTALLATION

CLASSIC SIZES

When installing The Conservation Rooflight into a clay tile roof or into a roof build up of 98mm and above, a flush installation can be achieved by installing the rooflight directly on the rafters. The sizing guide shows the classic sizes available with the clear structural opening dimensions required for a flush finish. Further cross section installation drawings for a range of roof finishes are available on our website. Custom sizes are available through our Bespoke Design Service.



		Clear Viewable Width (Clear Structure Width is Double)						
		212mm (8 1/2")	263mm (10 3/8")	365mm (14 3/8")	415mm (16 3/8")	517mm (20 3/8")	669mm (26 3/8")	821mm (32 3/8")
Clear Viewable Length (Clear Structure Length is Double)	320mm (12 5/8")	 CR06-1						
	422mm (16 5/8")		 CR07-2					
	625mm (24 5/8")			 CR01-2				 CR01-3
	675mm (26 5/8")				 CR08-2			
	828mm (32 5/8")			 CR03-2		 CR09-2	 CR11-3	
	980mm (38 5/8")					 CR10-2		 CR12-3
	1133mm (44 5/8")					 CR14-2		 CR14-3
	1435mm (56 5/8")					 CR15-2		 CR15-3

Standard 'On The Rafter' Sizes

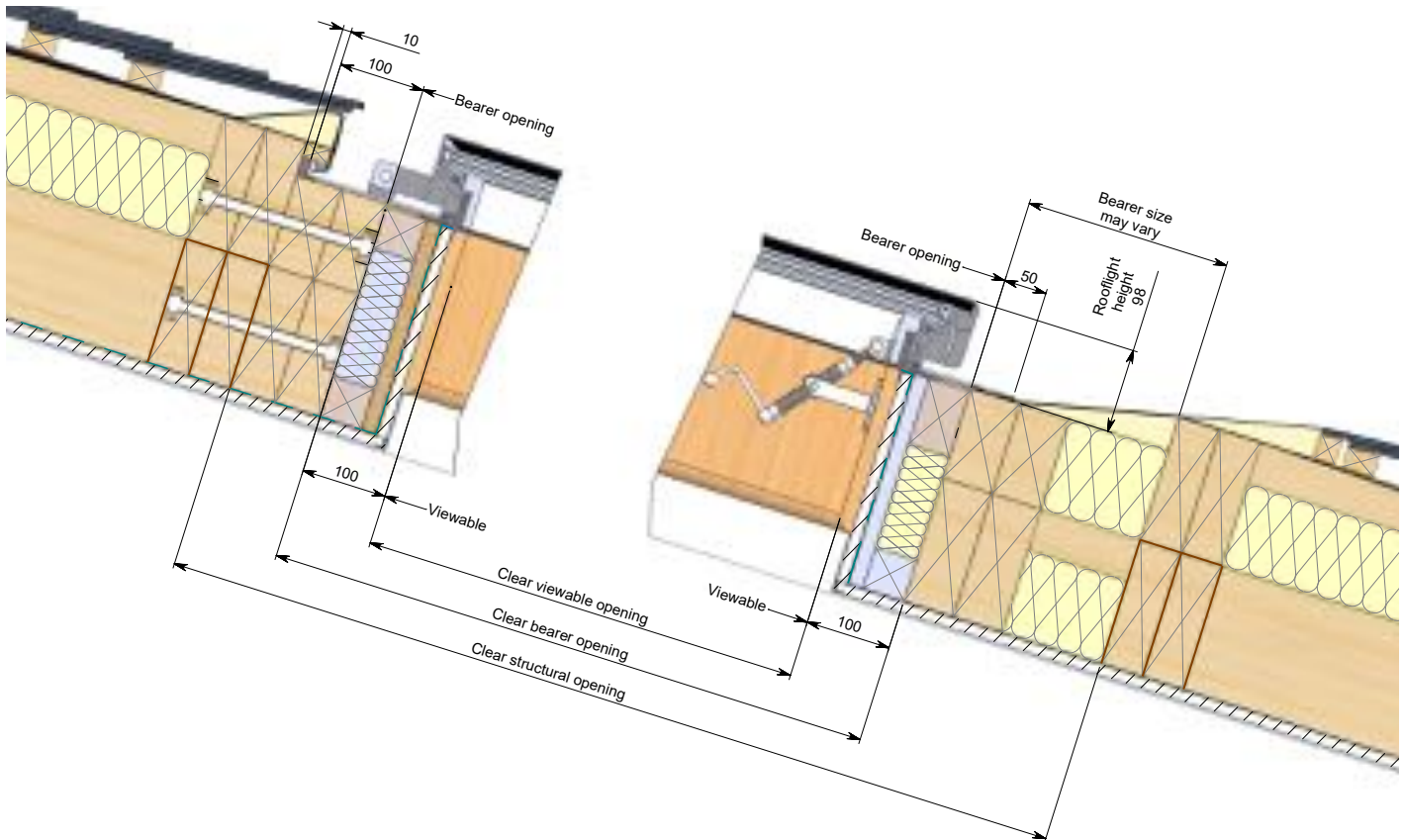
		Clear Viewable Width (Clear Structure Width is 200mm)						
		212mm (837mm)	263mm (889mm)	365mm (991mm)	416mm (1036mm)	517mm (1037mm)	669mm (1069mm)	821mm (1143mm)
Clear Viewable Length (Clear Structure Length is 1000mm)	320mm (1260mm)	 CR06-1						
	422mm (885mm)		 CR07-2					
	625mm (988mm)			 CR01-2				 CR04-3
	675mm (1105mm)				 CR08-2			
	828mm (1288mm)			 CR03-2		 CR09-2	 CR11-3	
	980mm (1365mm)					 CR10-2		 CR12-3
	1133mm (1523mm)					 CR14-2		 CR14-3
	1435mm (1885mm)					 CR15-2		 CR15-3

Flush Slate Sizes

FLUSH SLATE 'BETWEEN THE RAFTER' INSTALLATION

CLASSIC SIZES

When installing The Conservation Rooflight into a slate roof or into a roof build up under 98mm in height, a flush installation can be achieved by installing the rooflight onto bearers set within the clear structural opening. The sizing guide shows the classic sizes available with the typical clear structural opening dimensions required for a flush finish for roof pitches over 30°. Further cross section installation drawings for a range of roof finishes are available on our website. Custom sizes are available through our Bespoke Design Service. For roof pitches less than 30°, our technical team will be happy to calculate the clear structural opening for you.



SPINDLES

There is a range of opening options available to support the ventilation strategy of your project, allowing you complete flexibility on functionality and aesthetics.

The Conservation Rooflight is available in both a permanently fixed position and a motorised opening option for out of reach installations.

For a truly authentic interior finish to the property, there are also a number of spindle options to choose from.

WITHIN REACH



Hand Winders

Chrome and Brass
Available in 150mm and 300mm opening distances.



Hand Wheel

Chrome and Brass
Available in 150mm opening distance for precision control.



OUT OF REACH



Winders with a Pole

Chrome and Brass
Available in 150mm and 300mm opening distances.





Steel frame The Conservation Rooflight units ____ degree pitched roofs.

1. Manufacturer: The Rooflight Co.

1.1. Contact Details

1.1.1. Address: Unit 1 Bourton Industrial Park
Bourton-on-the-Water
Cheltenham
GL54 2HQ

1.1.2. Telephone: +44 (0)1993 833155

1.1.3. Website: www.therooflightco.com

1.1.4. Email: hello@therooflightco.com

1.2. Product Reference: The Conservation Rooflight (CR____)

2. Product Performance

2.1. Whole Window U-Value: 1.4W/m²K to EN ISO 10077-2

3. Frame

3.1. Material: Patented steel frame (as per GB251419)

3.2. Finish

3.2.1. Corrosion Protection: EN ISO 12944 to classification C5-M Long.

3.2.2. Coating: Polyester Powder Coating

3.2.3. Colour: RAL 9005 Semi Textured Black

4. Glazing

4.1. Standards/Type: BSI Kitemarked (KM93754) Insulated glazing units to EN1279-3

4.2. Construction: 4HT (16 Argon 90) 4HT

4.3. Colour: Clear

4.4. Acoustic Performance of Glazing: 31 (-1; -4) dB to EN12758

5. Operation

5.1. Operation Type: Brass Winder/Chrome Winder/ Brass Winder and wheel/ Chrome winder and wheel/Brass Winder with out of reach handle / Chrome Winder with out of reach handle/Motorised opening to stroke length 150mm/300mm/450mm [Tailor as Appropriate]

6. Accessories: Extension pole and winding crank/ N/A [only applicable for manual out of reach opening option. Tailor as appropriate]

7. Glazing Bars: To manufacturer's specification

8. Third Party Certification: Conformity Marking in accordance with EN 14351-1. BSI Kitemark on glazing KM93754

SPECIFYING THE ROOFLIGHT CO.

All natural toplighting solutions in our pitched and flat roof collections can be easily added to your specification when using NBS Source and NBS Chorus. Scan the QR code to find our page.

When completing a specification manually, the specification is written for you, available on our website. Alternatively, copy the shown details, tailoring any items in black to your specific project requirements.





CAVENDISH HOUSE

Cavendish House is a striking and sympathetic extension to a single-storey home in the Conservation Area around Henley-on-Thames, Oxfordshire. The family wanted to bring natural light into the property whilst complying with comprehensive planning regulations.

The Rooflight Co's Conservation Rooflights provided thermally efficient top lighting with the authentic features of the Victorian roof windows that were in keeping with the property's surroundings. Internally, the view of the serene landscape is maximised through the frameless design.

Using 16 Conservation Rooflights, light now flows through the new extension creating a bright and airy space that's also warm and inviting. Introducing this Pitched Roof Collection into the home ensured this property took full advantage of the beautiful, vaulted ceilings bringing in an abundance of natural light.









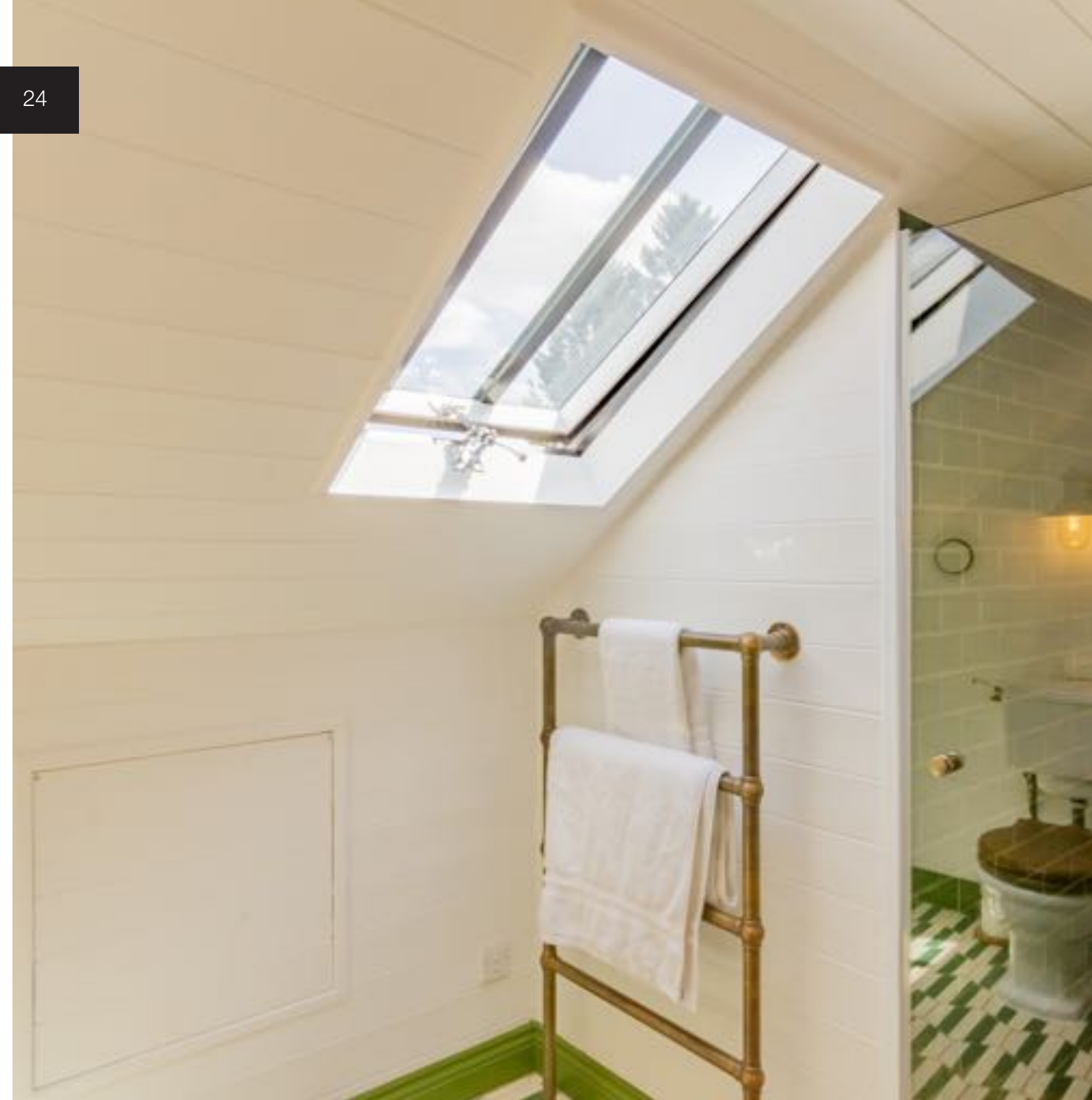
DOUBLE RED DUKE

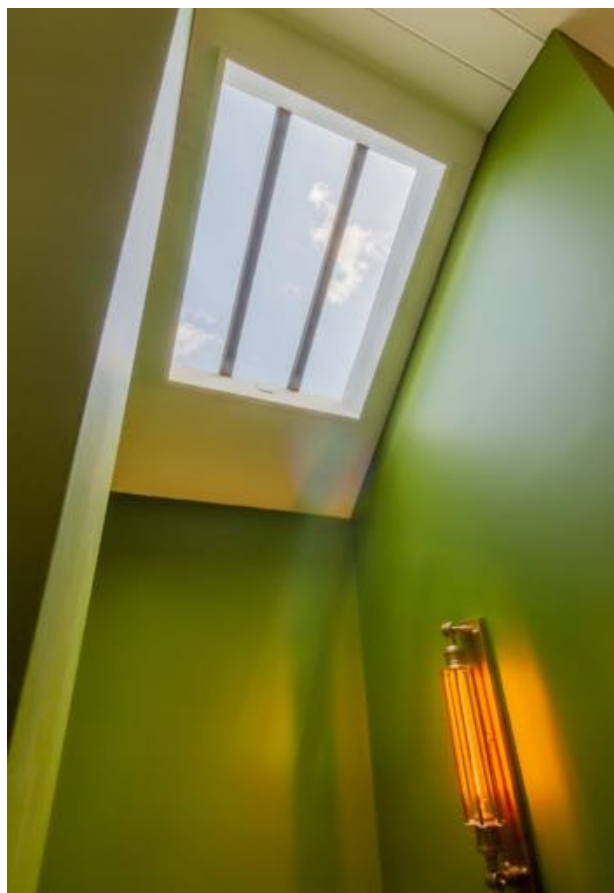
Nestled in the Oxfordshire countryside, this striking 16th-century coaching inn was packed full of character and original features. A sensitive renovation and refurbishment sought to retain the character whilst bringing the building up to date, improving thermal efficiency and creating a warm, snug and cosy atmosphere.

The old, pitched roof windows were replaced with our original Conservation Rooflights. Sitting flush to the roofline with fine detailing and authentic features, such as glazing clips and exposed hinges, the rooflights complement the architecture and charm of the property whilst bringing an abundance of natural light.

Awarded 'Best Newcomer' in the Food and Travel Awards 2021, the Double Red Duke is one of Oxfordshire's most iconic inns and listed by The Telegraph as one of the best restaurants outside of London.







ABOUT THE ROOFLIGHT CO.

Our Mission:

Valued by our customers, we are the trusted partner of architects, contractors and custodians of prestigious properties, providing premium solutions for natural light from above, that are sympathetic to both traditional heritage and innovative contemporary architectural spaces.

We are passionate about connecting people to spaces through harnessing the beauty of natural light from above whilst remaining sympathetic to the historic character of period properties and their surroundings.

Each rooflight is hand-made in the Cotswolds by our skilled team of craftspeople. Their attention to detail and exceptional quality standards are underpinned by our engineering and innovation teams who work with architects both across the UK and internationally to deliver beautiful top lighting solutions.

Above all, we are dedicated to doing business the right way, with people and planet at the heart of who we are.







NEXT STEPS

To make an appointment at our Manufacturing Studio, to arrange a site visit to your home or to discuss your project, please contact us on

01993 833 155
or at hello@therooflightco.com

We at The Rooflight Co. care deeply about the environment, society and the people within it. This portfolio has been printed on sustainably sourced material, in a factory powered by renewable energy, using a 100% waterless process and sending 0% waste to landfill. 100% recyclable.

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