



**MORE SKY**  
**LESS ROOF™**

Get the look you want

VISIBLE **ELEGANCE**, SUPREME **PERFORMANCE**

# THE BEST LOOKING ROOFLIGHTS & LANTERNS

Join a rapidly growing number of homeowners across the UK enjoying the beauty, elegance and performance of the PCW Roof Lantern every day.

Perfect Crystal Windows are leading the way in rooflight, lantern and orangery design, giving you the ultimate and unrivalled view from your home and extension with supreme aerial views. This combined with its industry-leading thermal performance ensures you can use your conservatory/orangery/extension 365 days a year.



## THE ULTIMATE SLIM ROOF FRAME

The PCW Roof Lantern brings an unrivalled contemporary style with its slim roof frame showing ultra slim sight lines and minimal rafter bar intrusion. Its engineering excellence eliminates the need for bulky ridge detail, bosses and hoods.

**Have a closer look and the difference becomes clear.  
MORE SKY – LESS ROOF™**



“ THE BEST VIEW YOU CAN  
IMAGINE IS EXACTLY WHAT  
YOU’LL GET. ”

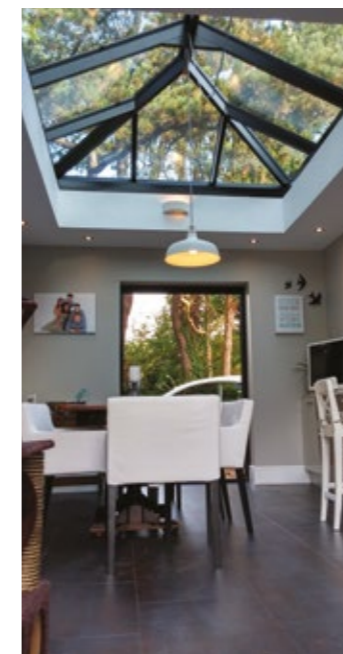
## THINNER STRONGER LIGHTER

Less is definitely more

No clunky bars or supports cluttering the ridge.  
No thick, chunky profiles dominating the glazing.

The PCW Roof Lantern unique system design is pure engineering magic. Super strong, light, 40mm aluminium frame rafters create slim, elegant roof profiles with excellent thermal performance. Compared to conventional roofs sold by competitors, the PCW Roof Lantern slashes the visible width and sight lines of rafters by **30%** and the main internal feature ridge by **70%**.

This unique design creates a feeling of **MORE SKY – LESS ROOF™** giving you visible elegance to your roof design and appearance, whether you choose an all aluminium structure or PVCu capping – less is definitely more.



# VISIBLE INTERNAL ELEGANCE

Pictures say a thousand words

The slimline thermally broken aluminium rafter sections have a sleek appearance that brings a stylish ambience and modern finish, while maximising the use of light and space within your home.





# SUBTLE AND STYLISH

Low sight lines externally

From the outside, the PCW Roof Lantern discreet design for rafter external caps and Roof ridge are a world apart from the chunky conventional T-bar caps and ridges used by competitors.



## Quality finish

By keeping sight lines low and unobtrusive, Perfect Crystal Windows ensure even a large glazed roof structure won't over dominate a plot.

All aluminium exterior coloured profiles are quality finished with powder coat paint, which is guaranteed to last. Dual coloured roofs are also available as the exterior colour can be easily changed to achieve the exterior look you desire.





# UNRIVALLED AERIAL VIEWS

Using the benefits of slimline technology Perfect Crystal Windows have combined good looks, outstanding strength and intelligent detailing, to create one of the finest looking products available for conservatory and orangery installations.

The versatility of the aluminium rafters and creative design solutions have removed the requirements for outdated bulky hood covers on lantern roofs and Edwardians.

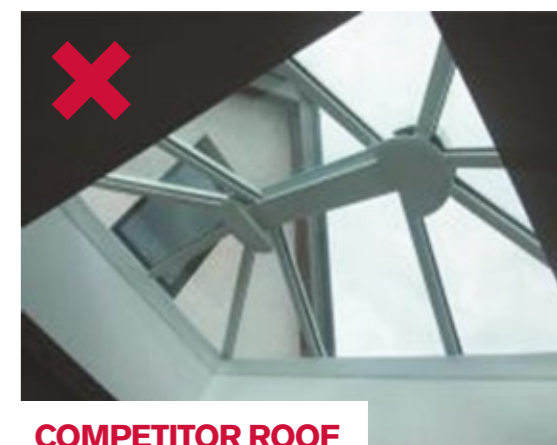
## Key Benefits

- The UK's most thermal efficient aluminium roof system\*
- The UK's strongest roof system\*
- Minimalist modern design with ultra-low sight lines
- Ideal for orangeries and lantern roofs
- Clean low sight lines externally
- Choice of PVCu or aluminium external caps
- Bevelled or flat external caps to suit building design
- Available in all RAL colours



INSIDE

PERFECT CRYSTAL WINDOWS



COMPETITOR ROOF



COMPETITOR ROOF



OUTSIDE

PERFECT CRYSTAL WINDOWS

\*Independent tests show that Perfect Crystal Windows offer the best strength and performance in the UK domestic conservatory market (excluding the addition of bolster bars).

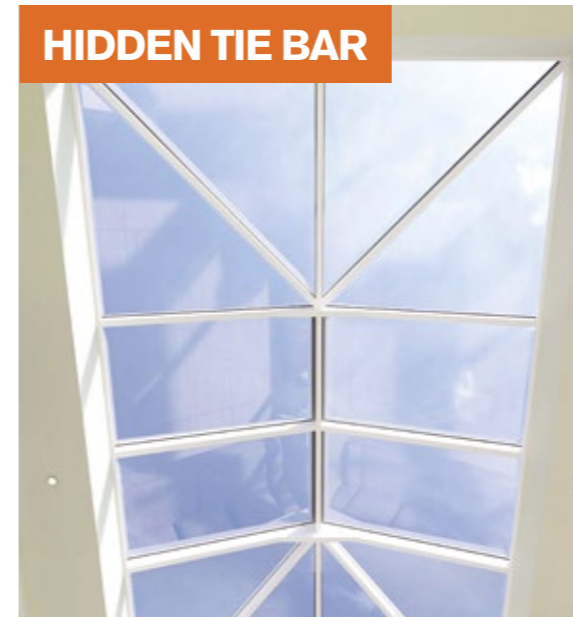
# SMARTER DESIGN

Discreet tie bars for extra structural rigidity, without detracting from the sense of light and space.

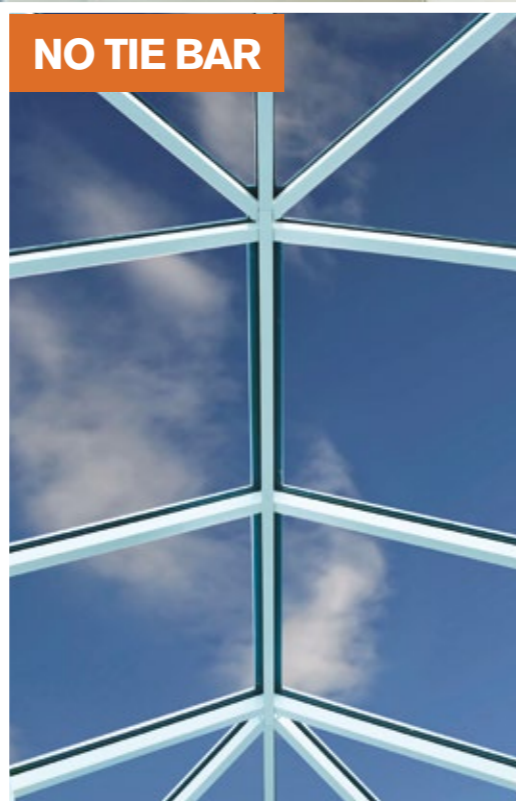
Three PCW Roof Lantern construction options provide the perfect look roof for any property or scheme.

Most competitors insist on a rod tie bar at eaves beam level, but not Perfect Crystal Windows. A choice of a hidden or rafter tie bar provides the ultimate luxury and flexibility to create the roof you want.

## HIDDEN TIE BAR



## NO TIE BAR



## RAFTER TIE BAR



# MAXIMUM IMPACT MINIMAL INTRUSION

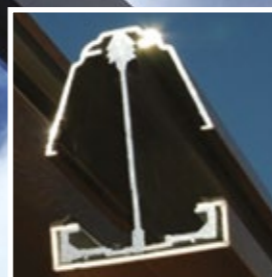
Unrivalled strength

Extra strong rafters mean the tie bars can be set higher, guaranteeing excellent headroom and no intrusion into the living area. Even in large buildings the roof structure remains remarkably minimal, creating a sense of clear, free space under the eaves.

Increased roof strength means the design aesthetics and clear sight lines achievable using the slim PCW Roof Lantern profiles remains unmatched by any other manufacturer, creating a roof that can suit any dwelling.

# CONTEMPORARY OR TRADITIONAL FEATURES

For a modern finish, flat roof rafter caps are available in PVCu or aluminium. Bevelled external caps create a more traditional look.



An example of a typical competitor's profile.

1

Aluminium Rafter Flat Cap  
(example colour RAL 7016  
Anthracite Grey)

2

Aluminium Rafter Decorative Cap  
(example colour RAL 9005 Black)

3

Option 1 & 2 are available in all  
aluminium RAL colours as well  
as White, Rosewood and Oak  
PVCu options (example shows  
PVCu Rosewood)



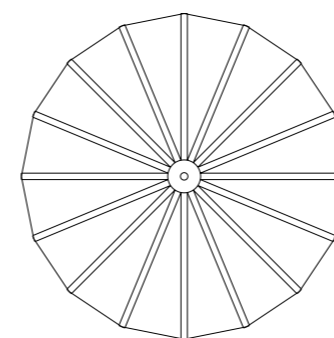
# INNOVATION MEETS ARCHITECTURAL DESIGN

The innovative versatility of an PCW Roof Lantern allows you to design a stylish roof to fit perfectly with your home.

Talk to your retailer about the best option for your installation.



CIRCULAR

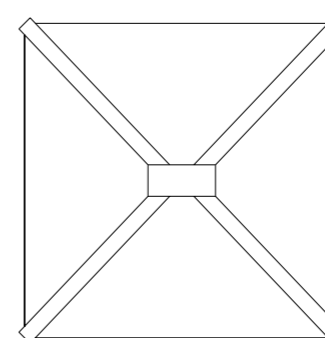


Maximum size = 4800mm

Talk to your retailer  
about larger sizes.



PYRAMID

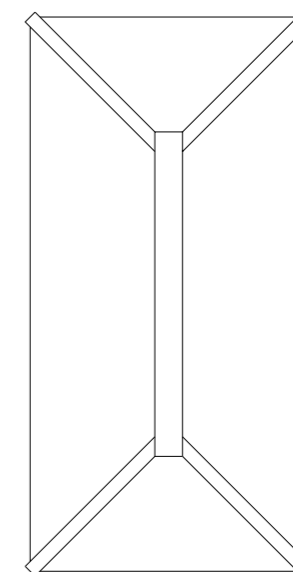


Maximum size Contemporary  
Pyramid lantern as per line drawing  
above = 1500mm x 1500mm.

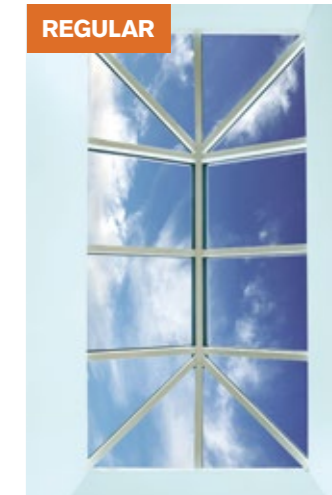
The Regular Pyramid lantern  
can go up to larger sizes with  
additional rafters.



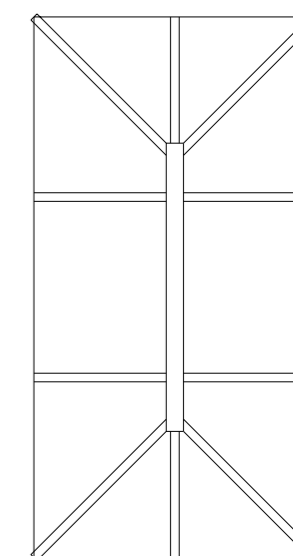
CONTEMPORARY



Maximum size  
= 1500mm x 2000mm



REGULAR



Maximum size  
Standard lantern as per this rafter  
layout 3000mm x 4000mm - can  
go up to 5000mm x 10000mm  
with additional rafters.

## Over 200 long-lasting colours

Perhaps the most significant benefit for aluminium conservatories when compared with PVCu is the vast colour choice. Aluminium can be coated in any RAL colour using the most up-to-date powder coating processes. This ensures a much tougher finish than conventional spray painting used on timber or PVCu, whilst all powder coated components are colour guaranteed for ten years. If required you can have one colour on the inside and a different one outside, meaning that there is greater scope to create a structure that is as unique as you are.



# COOLER IN SUMMER WARMER IN WINTER

Superior thermal performance

## Key Benefits

With thermal insulation performance that's twice as good as the competition, you can enjoy:

- Comfortable, year-round room use
- Reduced risk of condensation
- Lower heating and air conditioning bills

**Why compromise excellent double or triple glazing performance? Choose the best insulated rafters in the industry with the PCW Roof Lantern profile\*.**

The PCW Roof Lantern rafter is twice as thermally efficient as its nearest competitor. Upgrade to triple glazing to be 3 times as efficient.

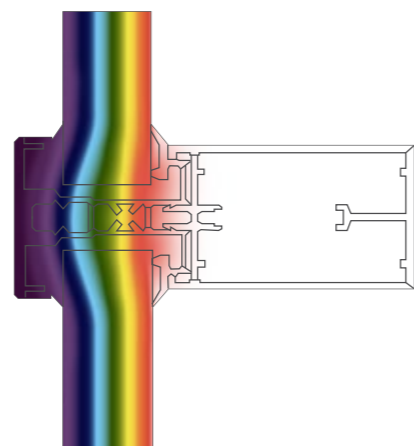
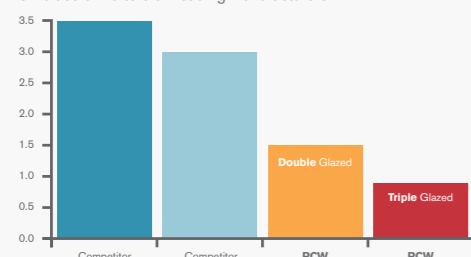
Overall U Value can be as low as 0.7 when triple glazed or 1.2 when double glazed.

Units incorporate argon gas, a safe and inert gas that improves insulation, and warm edge spacer bar technology that reduces 'cold spots' and condensation, avoiding formation of unsightly mould while improving thermal insulation.

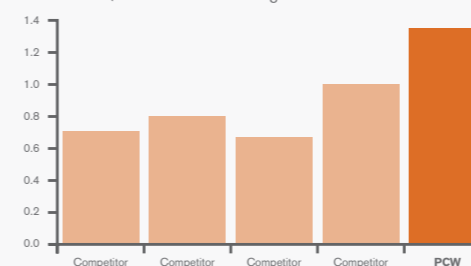
A combination of low emissivity inner glass and argon gas filling means the Perfect Crystal Windows solar control glass gives twice the insulation of ordinary double glazing, which reduces energy costs and keeps your conservatory warmer in winter.

## Twice as efficient

U Values of Rafters of Leading Manufacturers



Kn/m2 (Wind and Snowloading Values)



**Choose an PCW Roof Lantern and benefit from supreme strength:**

- Ability to withstand 33% greater 'live loads' such as snow or wind than other roofs
- Larger span roofs are reinforced internally meaning no unsightly 'bolster bars'
- Peace of mind with the investment in a roof you can admire for many years

\*Independent tests show that the PCW Roof Roof Lantern offers the best thermal and strength performance available in the UK domestic conservatory market.

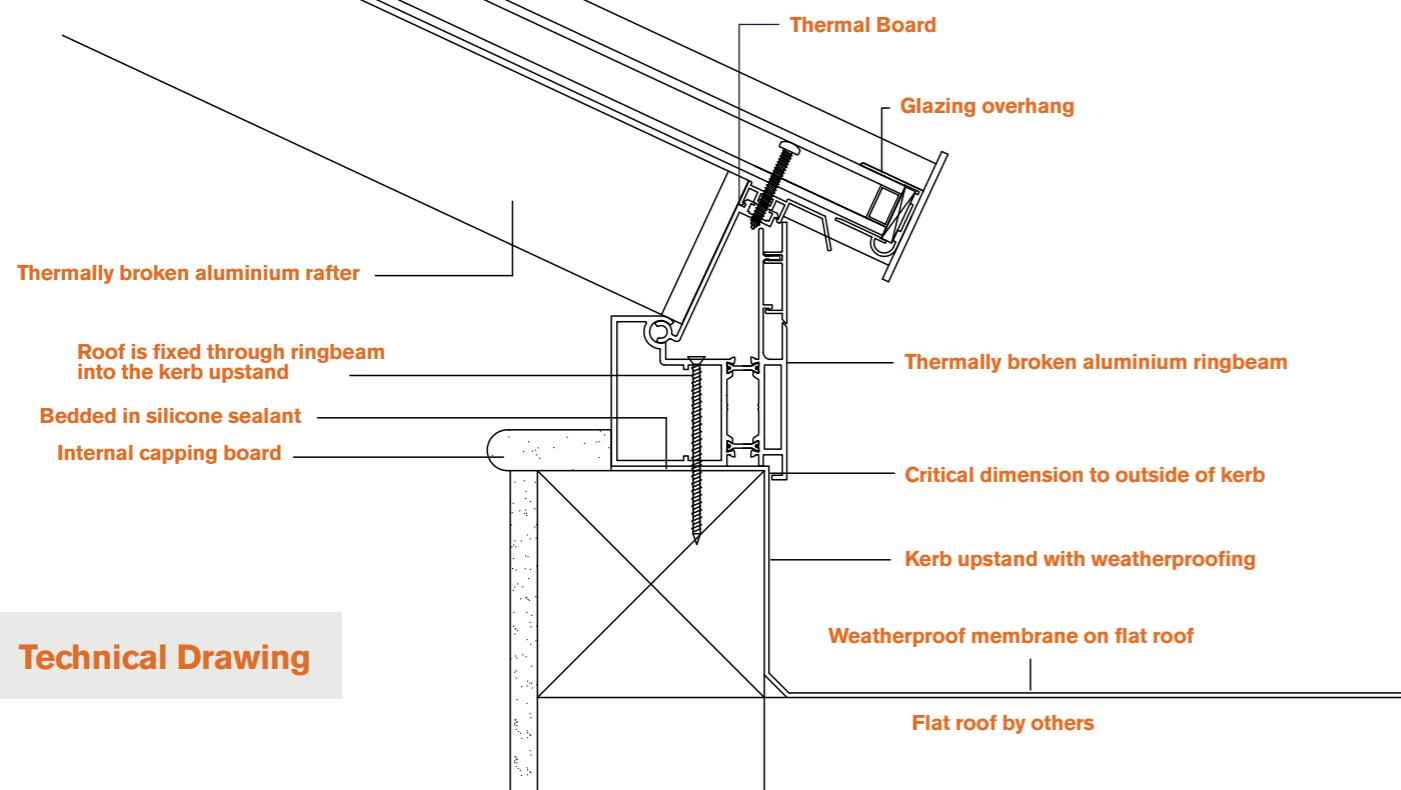


## MORE SKY LESS ROOF™

We can create anything you desire  
with the versatile PCW Roof Lantern.

The combination of good design and precision engineering  
means that the PCW Roof Lantern can be fitted in almost  
every conceivable setting.





Technical Drawing

## Roof vents

Designed to integrate.

Single bay roof vents have been designed to match the roof's Roof appearance and are ideally positioned for ventilation.

To retain thermal efficiency and reduce condensation, the PCW Roof Lantern vents are made up of an aluminium outer frame and PVCu inner frame as standard. A fully aluminium roof vent is also available.

Double roof vents are more commonly seen on older traditional conservatories. The roof vent is capable of spanning up to 1600mm wide.

Choose either a manual or electronic opening roof vent.

# IT'S ALL IN THE DETAIL

PVCu ROOF VENT



ALUMINIUM ROOF VENT



# GLASS

Making your room an all-year-round living space

As standard, your PCW Lantern roof glass will be specified to combine heat reflection and thermal insulation with reduced rainfall and traffic noise.

Low-E and Solar control combination coating, with an argon filled cavity, controls the amount of visible light, UV and heat that passes through the glazed unit. Destructive UV rays are reduced by up to 94%, thus offering protection for furniture and fabrics from sun damage.

With self-cleaning technology as standard, your glass will require less maintenance.

## Solar control glass

This intelligent glass reflects over 60% of the sun's solar energy, so your new conservatory won't become unbearably hot in summer. Solar glare is reduced too, creating a beautifully ambient environment.

A combination of low emissivity inner glass and argon gas filling means the PCW Roof Lantern solar control glass gives twice the insulation of ordinary double glazing, which reduces energy costs and keeps your conservatory warmer in winter.

Available in neutral, blue and green.

## Self-cleaning glass

You'll appreciate the special self-clean coating with a microscopic film which helps daylight and rainwater break-down and wash away dirt and grime.

The self-cleaning technology uses both rain and UV light from the sun to efficiently combat dirt and grime that accumulates on the outside of the window. Therefore resulting in the need for manual cleaning being significantly reduced, providing the ideal solution to cleaning those hard to reach or dangerous areas, leaving you with more time to relax and enjoy your conservatory.

## Celsius Elite

The ultimate in performance glass.

Celsius Elite brings the best performance glazing you can get for your roof. With its blue tint and premium abilities, Celsius Elite is our ultimate performance glazing.

## Technical Specification

High technology solutions for today's roofs.

PCW Roof Lantern double glazed units incorporate toughened safety glass and are manufactured to the highest British and European Standards, accredited to BS EN 1279 parts 2 & 3 and BS EN 12150

	Celsius Elite Glass	Triple Glazing	Double Glazing
U Value	0.9	0.6	1.2
Solar Factor	22%	34%	39%
Visible Light Transmission	34%	46%	52%
Heat Reflection	78%	66%	61%
UV Protection	94%	92%	88%
Easy Clean Coating	Inc	Inc	Inc
Cavity Fill	Argon	Argon	Argon
Blue Tint	Inc	Inc	Inc

Additional glass options are available on request eg acoustic glass and privacy glass

# CONSERVATORIES

Less is more

Perfect Crystal Windows conservatory roofs offer an ultra slim frame, minimalist internal design and superb thermal performance, making Perfect Crystal Windows Conservatory Roof an unrivalled choice for all homes.



Manufactured to your exact specifications the Perfect Crystal Windows conservatory roof will change the way you look at conservatory roofs.

Unlike traditional conservatory roofs which can be cluttered by low hanging bars, oversized ridges and obtrusive ridge ends, and poor thermal efficiency, the Perfect Crystal Windows roof benefits from a 70% slimmer frame with the hidden or subtle bars – more glass, less roof and unrivalled thermal efficiency.

Your retailer will have the knowledge and expertise to help you decide which style and specification will suit your home and budget.

By offering **MORE SKY - LESS ROOF™** with a thinner, lighter, and stronger structure, the Perfect Crystal Windows roof is a fantastic solution for upgrading your conservatory.



“ NO CHUNKY HOODS OR LOW SUPPORT BARS – SHEER GENIUS ”

# LEAN-TO

## Changing the shape of conservatories

A lean-to is an ideal alternative to a traditional conservatory and adds a sleek and modern design to any home.



“A MODERN TAKE ON THE CONSERVATORY”



Perfect for creating additional space, the single sloped PCW lean-to can be any width and can project into your garden for up to about 4 metres. The Perfect Crystal Windows lean-to can be installed just about anywhere.

It is the perfect style for bi-fold doors so you can dramatically open up your home to your garden. The variable roof pitch gives you a huge choice of looks, from fitting it under the first floor window ledges or right up to the eaves. Clean lines and minimal fuss.



# VERANDA

## Outdoor lifestyle and luxury

Add a whole new living space that transforms the outside of your property and, combined with bi-folding or sliding doors, extends your living space into your garden area with a stylish Perfect Crystal Windows veranda.



OPEN UP YOUR LIVING SPACE INTO THE GARDEN  
WITH AN **PERFECT CRYSTAL WINDOWS VERANDA**



This versatile covered space allows you to enjoy the outdoors all year round, bringing al fresco living to your lifestyle and adding value to your home

- A flexible outdoor living space
- A permanent cover for your patio area
- Perfect for al fresco dining and entertaining
- Custom built to your specification



# SKY ROOM

## THE NEXT GENERATION OF ORANGERY LIVING



“ COMBINING LUXURIOUS STYLE AND UNIQUE MODERN AESTHETICS WITH SUPERIOR AERIAL VIEWS. ”



The Skyroom cleverly bridges the gap between a conservatory and a high-end orangery and is at the height of innovative contemporary design. The look of an orangery with no imitation features to detract from its good looks and its Roof roof allows you to see **MORE SKY - LESS ROOF™.**

The experienced engineers at Perfect Crystal Windows have cleverly created a roof which acts as a traditional conservatory but looks like an opulent orangery.

An orangery has a number of features which make it more luxurious than a traditional conservatory. The secret to the Skyroom's realistic internal appearance is the solid internal pelmet which instantly changes the look of the room, and with spotlights added you can create the perfect evening lighting. Second to this is the appearance of the roof sitting on the pelmet (much like a lantern roof on an orangery).

The accurate orangery features make the Skyroom the ultimate choice in modern living. Its 300mm high aluminium contemporary fascia gives the Skyroom the realistic appearance of a contemporary ultra slim line orangery lantern both inside and out.

With no unsightly low rod bars or bulky joint covers cluttering the roof, the Skyroom guarantees excellent headroom and no intrusion into the room.

Thanks to a Perfect Crystal Windows Roof Lantern signature 70% slimmer ridge and 30% slimmer rafter, the Skyroom blends design aesthetics, outstanding strength and unrivalled thermal performance - all under one orangery style roof.

The Skyroom is a unique product and nothing else on the market looks quite like it.



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