

CONSERVATORIES & ORANGERIES

Designed for faster smoother installation. Engineered for trouble-free performance.



CONSERVATORY, ORANGERY & ROOFING SYSTEMS



Contemporary or traditional, you can create desirable living spaces for your customers with the Eurocell conservatory roof system

Impress customers and end-users with space-enhancing conservatories

Conservatories are the ideal way to extend any home, providing a bright, airy room that connects house and garden, giving busy households some valuable extra space.

Eurocell offers a full range of conservatory roof systems, fully compatible with all our high-performance doors

and windows – enabling you to offer a complete conservatory fabrication and installation service for your customers. And with Eurocell, you can source all the doors, windows and roof components you need to create eye-catching conservatories.

Designed for faster, smoother installation

Designed with speed and ease of installation and fabrication, the Eurocell conservatory roof, pilaster and highline gutter systems are one of the most advanced, user friendly systems on the market.



BESPOKE SOLUTIONS

WHY CHOOSE EUROCELL ROOFS?











Designed for superior performance

Fast, accurate installation

Glass U-value as low as 1.0W/m²K*

Variable pitches between 2.5 - 45°









A choice of frame, glass and polycarbonate colours

Available sprayed to any **RAL** colour

Delivered in 5 working days*

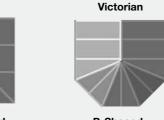
guarantee

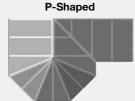
Roofs to suit all building types from traditional to contemporary

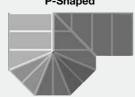
Whatever style, size or configuration of conservatory your customers require, Eurocell can supply the components to create the outdoor room of their dreams. Our bespoke conservatory solution enables you to fabricate any conservatory design, or you can choose from our range of classic styles, including Victorian, Edwardian, gable-ended and contemporary conservatories. For a more cost-effective, but equally high-quality conservatory, you can choose our lean-to style.

Bespoke designs to suit any property.









Lean-to / reverse lean-to



CONTEMPORARY CONSERVATORIES





A modern conservatory for the 21st century

Our latest contemporary conservatory design uses a combination of our exclusive pilaster system, our slimline roof system and our modern highline gutter to create a conservatory for the 21st century.

The pilasters consist of structural posts jointing standard window frames which are glazed with an insulating panel. The external is clad with either Coastline or Ecoscape cladding which are available in a range of colours. The internal can be either plastered or clad with a decorative panel.

Our conservatory roof system has been reinvented with thinner ridge system giving a more contemporary look to our latest roof system.

The highline gutter finishes the look, creating a stunning modern look on a conservatory which has a superior thermal performance allowing year round use.



MARKET-LEADING FEATURES



Pilasters

- Utilises window frame and insulation board creating a strong, well insulated construction.
- ▶ The pilasters can be clad externally with Coastline horizontal or Ecoscape vertical cladding options to give a modern, low maintenance finish.
- ▶ EWS120 PVC Corner Posts with EWS520A reinforcing give the conservatory a sturdy construction.
- ▶ No thin steel, aluminium or GRP trims which can be easily damaged.

- ▶ Internal finish can be easily plastered or cladded to suit the customers preference.
- ▶ Corner posts and 40mm in-line couplers allow installation of jacks if required.



- ▶ Allows you to create a more contemporary look to your conservatory design thanks to a thinner roof structure.
- ▶ Reduces sightlines for smaller conservatories.
- Maximum width 5.5m (based on 0.6 kn/m2)
- ▶ Ridge to wall flashing trim available in White and Anthracite Grey.



Highline gutters

- ▶ Contemporary look which complements the Slimline conservatory roof.
- Powder coated Aluminium, available in White and Anthracite Grey.
- ▶ Suitable for internal and external 90 degree corners only.
- ▶ The vertical position of the gutter base allows easy installation onto full height brick walls without the requirement for additional cills, creating clean modern aesthetics.



Orangery Appeal

The Eurocell Lusso system lets you create a faux orangery style roof to heighten the appeal of our Victorian, Edwardian and P- Shaped conservatories still further.

Available pre-fabricated or in kit form, it also brings an extra touch of elegance to the inside in the shape of a continuous box-section pelmet at the internal roof perimeter crests are a great way to add an extra flourish. Even structural components like box gutter supports can add to the ambience when you choose our decorative gallows brackets.



usso orangery-style internal roof pelmet system

DESIGN CLASSICS FOR TIMELESS AESTHETICS

Turn back the clock with our classic conservatory collection

Our Victorian and Edwardian conservatory ranges give you a fast, easy fit with minimal gluing and sealing. And give your customers a bright, sunny extension to their living space with the charm and elegance of another age.

The extra finishing touches

Ornamental features like Jacobean or Regency finials and crests are a great way to add an extra flourish. Even structural components like box gutter supports can add to the ambience when you choose our decorative gallows brackets.

More colours to choose from

Along with the standard colour range of Brilliant White, Cream, Rosewood, and Golden Oak, our traditional conservatory systems also give you the option of four special colour specifications - Irish Oak, Black, Anthracite Grey and Chartwell Green - for even more choice and genuine period detail.

FOR THE FULL COLOUR RANGE PLEASE SEE PAGE 10



COLOURS TO FRAME THE VIEW

COORDINATING WITH THE EUROCELL RANGE

Colours to frame the view

Like all Eurocell PVC-U products, the our conservatory roof system comes with an exact colour-match guarantee. That means the colour is precisely matched to all Eurocell window, door and roofline products, creating a co-ordinated, uniform look across any property.

complement your customers' existing windows and doors, as well as a choice of polycarbonate and glass options.

a complete range of fully foiled components. This includes foil finishes to the external ridge top capping, ridge ends, half ridge capping and valley capping - providing a unique and continuous finish. Aluminium foiled glazing bar top caps are also available.

Coastline cladding and 3 Ecoscape vertical cladding options. These colours have been specifically selected to match and work with current conservatory colour trends.

The Eurocell conservatory roof system is guaranteed for ten years. That means you can give your customers the assurance last - manufactured by the UK's leading PVC-U specialist.



TRADITIONAL, LUSSO & EQUINOX

PROFILE COLOURS



BLACK ASH*

CREAM



























POLYCARBONATE COLOURS



BLUE







CONTEMPORARY CONSERVATORY SLIMLINE ROOF COLOURS



ANTHRACITE



PILASTER COLOURS

MOONDUST

















HIGHLINE GUTTER COLOURS



GLASS COLOURS







A range of external colours (shown below) is available to

When required, Eurocell conservatory roofs can be specified with

The Eurocell Pilaster system is available in a choice of 2

Ten-year guarantee

of a robust, well-designed, precision-made product that's built to

















GLASS COLOURS





INTELLIGENT DESIGN



Bottom caps in three pitch variants

Bottom caps are produced in three different pitch variants for maximum compatibility. This means that when installing or fabricating a standard 25° pitch conservatory, no cutting of the bottom cap is required.

Spider bars enable easy construction

Spider end mouldings allow all glazing bars fitted onto the front of the ridge to be square cut. These are factory fitted and slide into the end of the rafter bars ready to be hooked over the spider bar bracket, before the final tightening of the grub screw. This method of construction is quick, easy and reliable. To ensure optimum weather performance, a patented foam ridge end cover is also provided to minimise any reliance on silicone sealing.

Designed to make installation simple

All our conservatory roofs come well marked up and pre-drilled to make installation as simple as possible.





Box section eaves beam allows glazing pitches between 2.5-45°



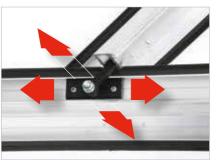
Easy slide fixing for rafters



Silicone-free box-gutter adaptors



A variety of rafter bars



No-notch jack rafters can be 4-way adjusted on-site



Variable angle valley



A range of wall plates for flexibility



Virtually silicone-free ridge options



Patented ridge radius end assembly



Stainless steel tire wires offer a modern alternative to traditional tie bars



Leak-free and silicone-free box gutter adaptors



Sculptured eaves designed for greater consumer appeal

HIGHLINE GUTTER

INTERNAL PELMET



Internal plastered pelmet

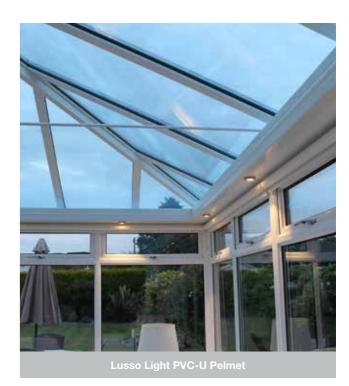
Let the homeowner enjoy more natural daylight than from a clear glass lantern roof, plus a relaxing atmosphere created by concealed LED pelmet lighting in the evening.

Quick and easy to install

Lusso's clever box-section pelmet means there's minimal need for plastering required. Just clip interior trim and cladding direct to the aluminium frame. Faster, cleaner and less hassle than traditional orangeries.

Lusso Light PVC-U Pelmet

The intelligently-designed continuous box-section around the roof avoids the needs for plastering and simply allows the trims and cladding (all perfectly colour-matched to the orangery-style roof) to be fitted to the aluminium fascia mounted on brackets. As well as avoiding installers having to factor in specialist trades to carry out plastering, this design significantly reduces the amount of time needed to complete the project.



Contemporary Highline gutter

This contemporary highline gutter is designed to make installation easier by allowing more room for installers to fix it to the conservatory. It is available in either White or Anthracite Grey. The bottom of the gutter is dropped when compared to our traditional highline gutter design for better aesthetics over full height brickwork and pilasters. It is only suitable for internal and external 90 degree corners.



Traditional Highline gutter

Create the look of an orangery style conservatory with our quality highline gutter and decorative corner castings. This highline gutter design is perfect for conservatories or orangeries in a more traditional style.





VARIABLE PITCHES

FOR ULTIMATE FLEXIBILITY

Eaves beam

Fixed 25° and variable 2.5-45°

Glazing pitches between 2.5° and 45° can be achieved from two box section aluminium eaves beams, designed to provide maximum strength and thermal efficiency.

The external front edge of the eaves beam is thermally clad in PVC-U, onto which gutter brackets are attached, which simply twist into place. These concealed brackets support a clip-fit dry joint gutter system which sits far enough forward to avoid any need for special running outlets and overcomes any risk of overflow leakage finding its way inside the conservatory.





Valleys

Variable pitches

Eurocell's variable angle valley gutter system is able to accommodate a wide range of different pitch combinations, and allows secure and watertight installations for both glass and polycarbonate glazed roofs.

The system incorporates a glass retention system, and utilises high strength glazing tape.

The valley gutter system can also be used with drop valley situations and internal 135° corner situations.

Ridges

Fixed 25° and variable 15-45°

A fixed 25° or variable angle ridge body is available to accept roof pitches between 15° and 45°. They are designed to be are virtually silicone-free, minimising the reliance on the fitter to obtain a water tight seal – making the roof quicker and easier to install.

Both designs accommodate 25mm and 32mm polycarbonate or 24mm glass units. The ridge top capping can be fitted prior to final glazing, allowing for easy on-site access for sealing and lead flashing work. Suitable ridge to wall flashing trims are also supplied as standard.

Finial and crestings slide along a captive rail, overcoming the need for fixings to pierce through the external ridge top capping – reducing the risk of water ingress. Ridge top caps are supplied fully foiled whenever woodgrain finishes are required.





Lean-to

Standard wall plates - 2.5-15°

The standard lean-to wall plate is a cost-effective solution for mono-pitch gable end lean-to conservatories. This system is suitable for pitches between 2.5° and 15°. A neat top cap detail allows for easy lead flashing and sealing.

Low-line wall plate - 2.5-5°

The low-line wall plate is designed to give extra flexibility for mono pitch designs where minimal roof height is imperative. The system eliminates the need for a PVC-U top cap, greatly reducing height. The system is suitable for pitches between 2.5° and 5°.

Half-ridge wallplates – 15-45°

A half-ridge wall plate is available for use with combination, P-shaped and hipped lean-to conservatory designs, and offers the same reliable, weather-tight seal as achieved with full ridges. Suitable for pitches between 15° and 45° using either polycarbonate or glass.



Deep skirt top cap

Where large pitch variance occurs on hip-ended roofs, a deep skirt top cap has been designed to ensure a neat and watertight finish can be achieved.

This allows the top cap to be cut to sit level on top of the glazing, either side of the hip.

BOX GUTTERS & ADAPTERS

BESPOKE ALUMINIUM BOX GUTTERS

Box gutters

The wide box gutter system provides space and access for fitting and maintenance. Cutting the box gutter to the external frame dimensions avoids any need to mitre across and over the top of window frames, minimising any risk of water ingress.

Strength is also one of the design features of the box gutter system. Combining it with the eaves beam section overcomes any need for additional strapping. In situations where the box gutter requires on-site jointing, running the eaves beam across the join locks the sections together to help minimise movement and risk to the seal joint.

Silicone-free box gutter adaptors (see **How It Works** opposite) can be installed in all weathers by simply clip-fitting the metal brace strap into position. This minimises the reliance on the installer and overcomes any need for heat guns, drying, or taping on-site. All box gutters are supplied with foam insulation to minimise the build up of condensation within the conservatory.

Raised back box gutter

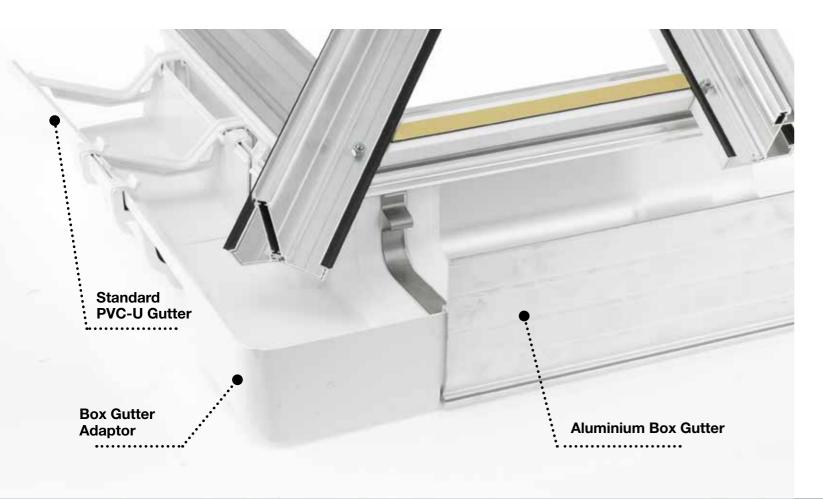
Included within the box gutter range is a special dedicated raised back attachment and extension section that utilises the same variable support section as used around the eaves beam.

This provides full pitch flexibility and allows the same sealing method and system to be used. The result speeds on-site installation and ensures a neat final clad finish.

Joining box gutters

Occasionally, for either transport or access reasons, it is necessary to cut box gutters. Such box gutters then need to be mechanically rejoined on-site. In these cases, a factory welded insert simply slides into the adjoining section before sealing.

The insert helps keep box gutters together during installation and once installed minimises any movement to maintain a watertight join. The ring beam then runs across the join to help lock each side of the box gutter together and minimise any subsequent movement.



HOW IT WORKS

BOX GUTTER ADAPTORS

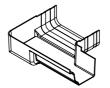


Leak-free and silicone-free box gutter adapters are unique to the Eurocell conservatory roof system. The eaves beam runs along the inside face of the box gutter.

This allows the eaves beam to be mitre cut at corners without requiring any cutting to the box gutter, which can then be cut flush to the outside frame. This means water can only drain away to the outside of the conservatory.

The dry joint adapter simply slides into place before being retained by a clip-fit steel brace. This results in a leak-proof allweather installation solution, which is silicone-free

Box gutter adaptor product chart



90° Box Gutter Adaptor



CRS8267

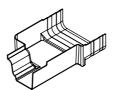
90° Box Gutter Adaptor Right Hand CRS8267

Box Gutter Adaptor Left Hand

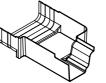
135° Box Gutter Adaptor Right Hand CRS8268

150° Box Gutter Adaptor Left Hand CRS8274

150° Box Gutter Adaptor Right Hand CBS8274



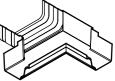
Left Hand CRS8269



Inline Box Gutter Adaptor Right Hand



ne Box Gutter Adaptor



Right Hand

CRS8278



Left Hand CBS8269 CRS8278

Box Gutter Joint



CBS8277

Box Gutter Stop End CRS8275

Gutter Downpipe Adaptor

GLAZING OPTIONS



Heavy duty rafter bars

A purpose-designed range of heavy duty rafter bars can accept 25mm and 32mm polycarbonate or 24mm glass sealed units. All are supplied with glazing stops which are concealed behind special clip-up-and-over end caps. For greater spans, bars can be supplied with concealed steel reinforcement. A range of bolster bars (with dedicated end caps) is also available which can be fitted to the underside of the bars.

Gable rafter bars

Conservatory roofs which include wall-mounted gable rafters are supplied with an integral gutter channel as standard for neat and effective lead flashing.



Jack rafters

Low-line easy-fit jack rafters require no notching. The assembly slides down the central chamber of the rafter bar to ensure a strong and secure fixing. Moveable fixing blocks link the hip bar to the jack rafter assembly. This simple design provides complete flexibility, enabling 4-way on-site adjustment if necessary.

Rafter fixing and end detail

Easy-slide single and double fixing studs are used to bolt rafters into position. They allow for easy movement and adjustment of the rafter bar before final positioning and fixing takes place. Simple and neat clip-up-and-over rafter end caps incorporate and conceal high-strength glazing end stops on the bottom of each bar

LOOKING FOR A PREMIUM FINISH?

Optional aluminium top caps are available, featuring a PVC-U thermal break.

Glass

Suitability for glass roof glazing is a major feature of the Eurocell roof system. Each glazing bar is supplied, as standard, with concealed high-strength glass end stops. This provides a safe buffer platform for units to rest against to overcome any risk of slippage, whilst the wide flat base of the eaves beam seal minimises any roll-out weakness between the bars.

Eurocell offers two glass types for its conservatory roofs – standard toughened and high-performance Perfect Day glass.

The Perfect Day range of glass is available in a wide choice of performance and colour options, for maximum versatility and choice. The glass features a revolutionary dual-action self-clean coating as standard. Activated by sunlight and rain, the self-cleaning coat lasts the lifetime of the glass.

A solar control option is also available, which reduces heat build up without costly air conditioning.

Polycarbonate

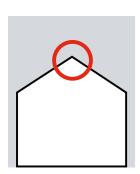
A popular alternative to glass, multi-wall polycarbonate is available in a choice of colours and thicknesses, providing different levels of thermal efficiency to a conservatory roof.

This lightweight material offers extra heat and noise insulation, as well preventing glare.



GLAZING TYPES & PERFORMANCE

Roof height chart Apex roof designs with ridges

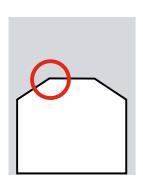


	WIDTH						
PITCH	2500mm	3000mm	3500mm	4000mm	4500mm	5000mm	5500mm
15°	588	655	722	789	856	923	990
20°	708	799	890	981	1072	1163	1254
25°	836	953	1069	1186	1302	1419	1535
30°	975	1119	1263	1408	1552	1696	1841
35°	1128	1303	1478	1653	1828	2003	2178

Height to bottom of ridge = less 173mm

For height including cresting allow a maximum of 170mm

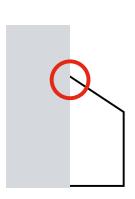
Half ridge wallplate height chart Hip ended designs



	WIDTH						
PITCH	2000mm	2250mm	2500mm	2750mm	3000mm	3250mm	3500mm
15°	789	856	923	990	1057	1124	1191
20°	981	1072	1163	1254	1345	1436	1527
25°	1186	1302	1419	1535	1652	1769	1885
30°	1408	1552	1696	1841	1985	2129	2274
35°	1653	1828	2003	2178	2354	2529	2704
40°	1931	1968	2351	2560	2770	2980	3190

Height to bottom of wallplate = less 173mm

Lean-to wallplate height chart Mono pitch designs



	WIDTH				
PITCH	2000mm	2500mm	3000mm	3500mm	4000mm
2.5°	360	382	403	425	447
5°	447	491	535	578	622
7.5°	535	601	667	733	799
10°	624	712	801	889	977
12.5°	715	826	936	1047	1158
15°	807	941	1075	1209	1343

Height to bottom of wallplate = less 192mm

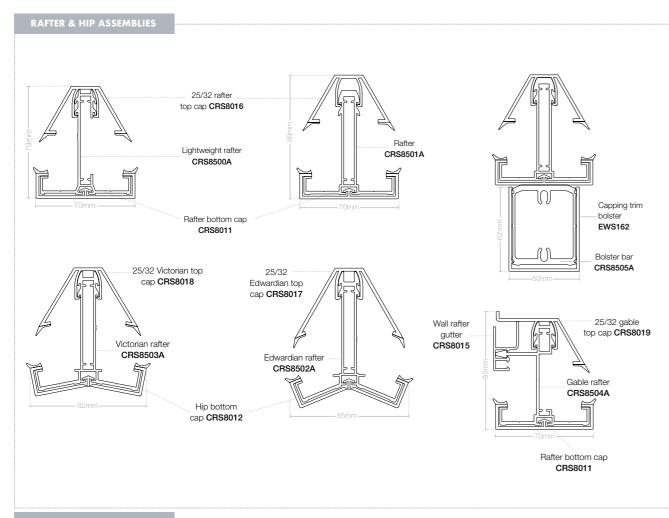
Glazing type	Option	Colour	U-value	G-value	Light transmission	True self clean	Warm edge
Glass	Standard toughened	Clear	2.7	?	87%	?	?
Glass	Perfect Day Super 4s	Blue	1.0	28%	41%	3	3
Glass	Perfect Day Super 4s	Neutral	1.0	29%	37%	3	3
Glass	Perfect Day Super 4s	Aqua	1.0	22%	32%	3	3
Glass	Perfect Day Super 4s	Bronze	1.0	34%	42%	3	3
Glass	Perfect Day Super	Blue	1.2	40%	52%	3	3
Glass	Perfect Day Super	Neutral	1.2	40%	45%	3	3
Glass	Perfect Day Super	Aqua	1.2	28%	39%	3	3
Glass	Perfect Day Super	Bronze	1.2	49%	52%	3	3
Glass	Perfect Day Super	Clear	1.2	68%	78%	3	3
Glass	Perfect Day Clean	Blue	2.7	49%	59%	3	3
Glass	Perfect Day Clean	Neutral	2.7	47%	47%	3	3
Glass	Perfect Day Clean	Aqua	2.7	33%	40%	3	3
Glass	Perfect Day Clean	Bronze	2.7	46%	53%	3	3
Glass	Perfect Day Thermal	Blue	1.2	40%	52%	5	3
Glass	Perfect Day Thermal	Neutral	1.2	40%	45%	5	3
Glass	Perfect Day Thermal	Bronze	1.2	51%	54%	5	3
Polycarbonate	32mm 7 wall	Clear	1.4	53%	59%	5	N/A
Polycarbonate	32mm 7 wall	Opal	1.4	43%	11%	5	N/A
Polycarbonate	32mm 7 wall	Bronze	1.4	12%	13%	5	N/A
Polycarbonate	32mm 7 wall	Bronze / Opal	1.4	8%	15%	5	N/A
Polycarbonate	32mm 7 wall	Solar Control	1.4	4%	7%	5	N/A
Polycarbonate	25mm 5 wall	Clear	1.7	62%	62%	5	N/A
Polycarbonate	25mm 5 wall	Opal	1.7	39%	14%	5	N/A
Polycarbonate	25mm 5 wall	Bronze	1.7	21%	17%	5	N/A
Polycarbonate	25mm 5 wall	Bronze / Opal	1.7	19%	17%	5	N/A
Polycarbonate	25mm 5 wall	Solar Control	1.7	10%	7%	5	N/A

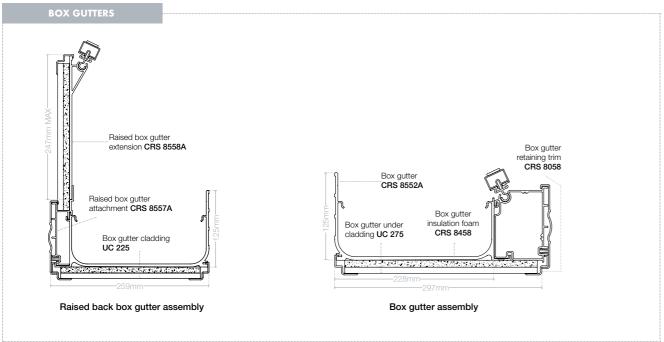
Note: The values shown above are provided for guidance purposes only, and are subject to variation caused by seasonal changes and other factors.

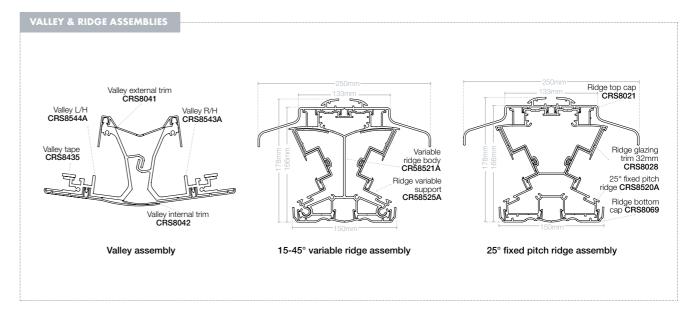
ROOF VENTS

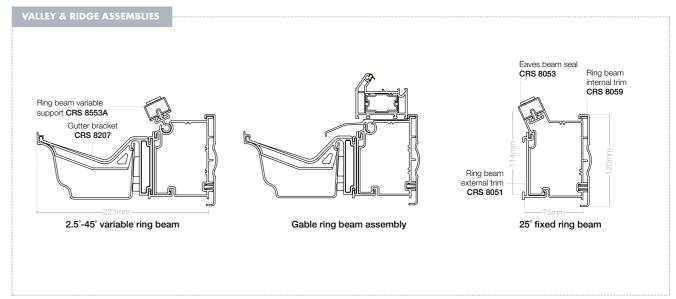
For roof ventilation, roof vents can be incorporated into roof designs. Manual and electric designs are available, as well as a climate control system that automatically opens and closes the vent as temperatures rise or fall, or if rain is detected by an external sensor.

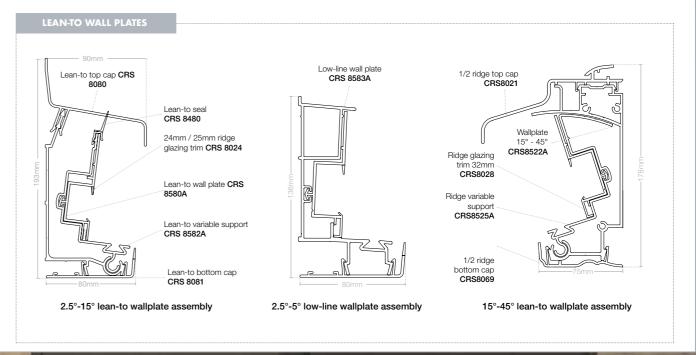
MAIN ASSEMBLIES



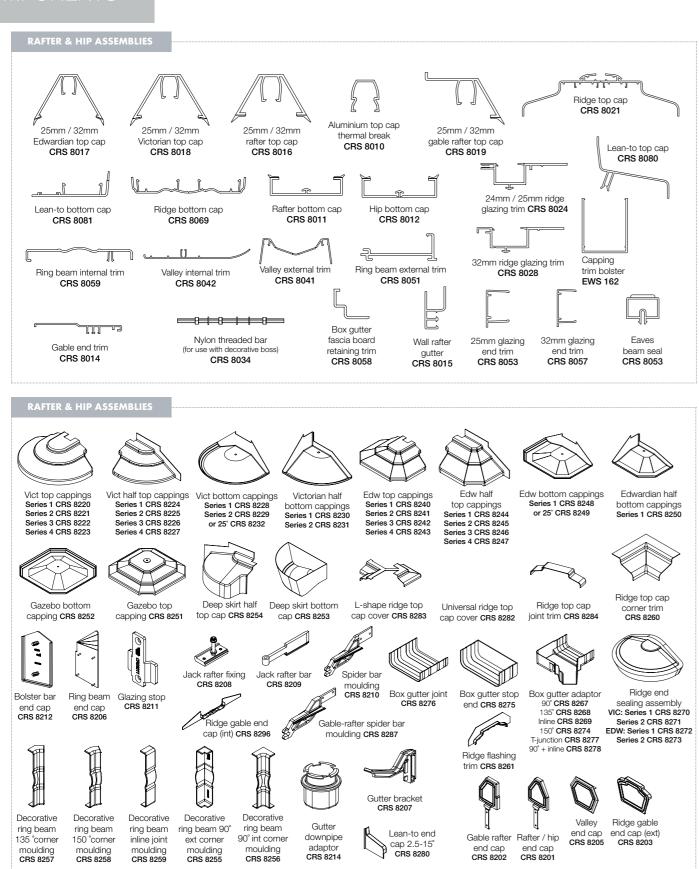


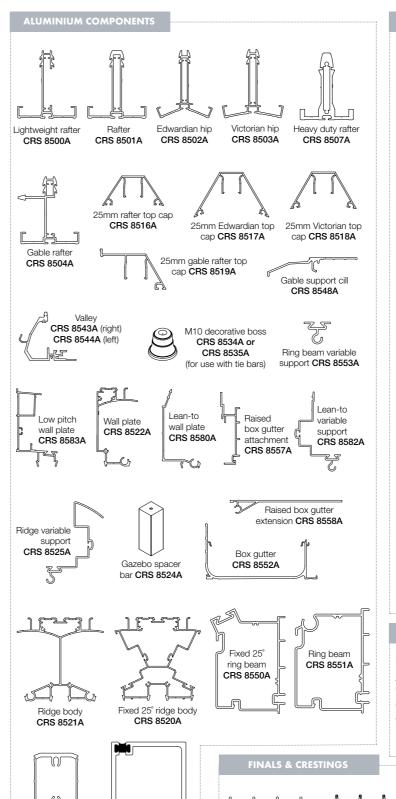






COMPONENTS





Roleter har

CRS 8505A

Bi-fold bolster bar

CRS 8549A

Regency cresting

CRS8537A

Jacobean cresting

CRS8237

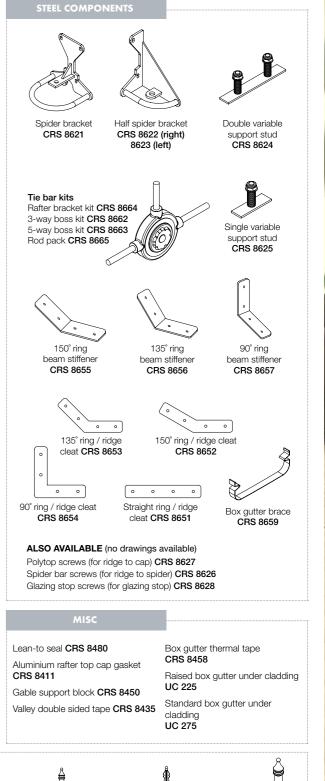
Regency finial and cresting

CRS 8536A

Jacobean finial

and cresting

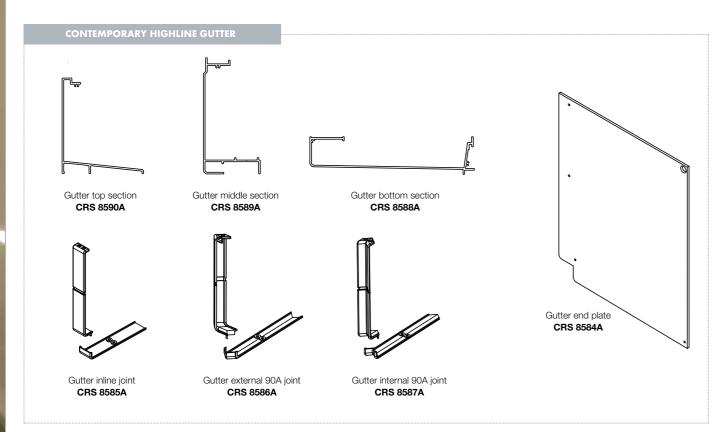
CRS 8236

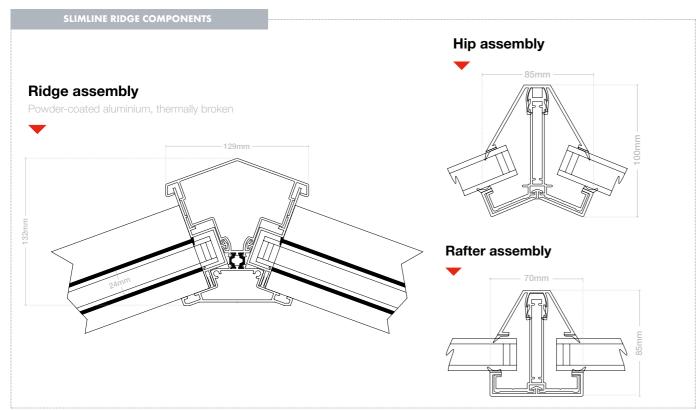


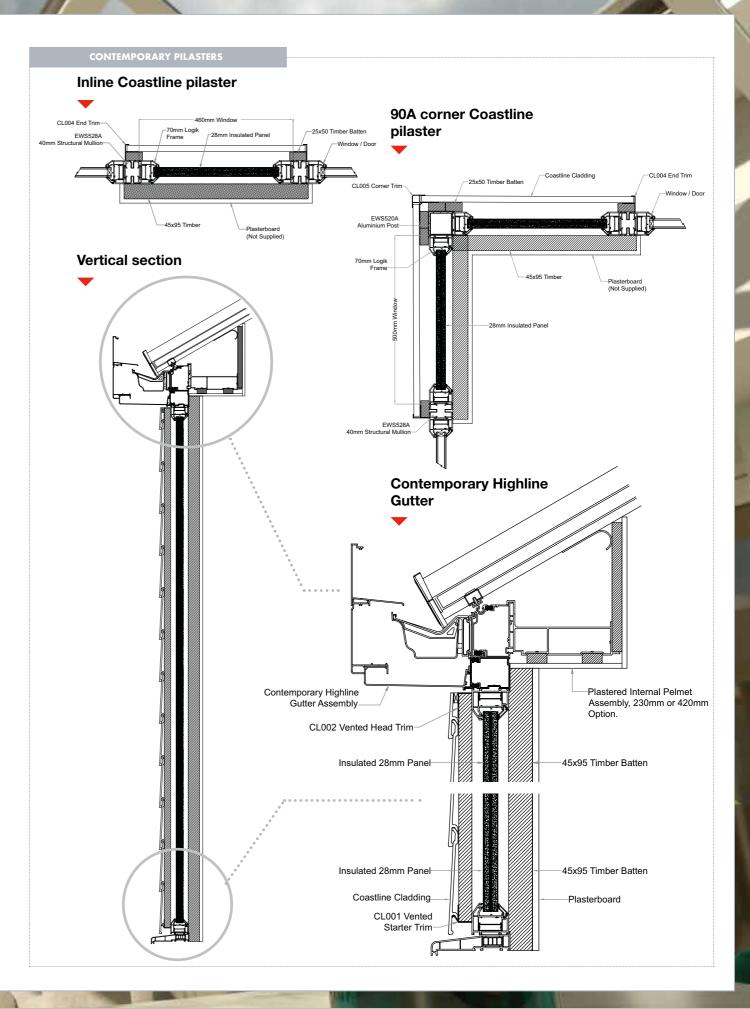
Gazebo finial

CRS 8532A

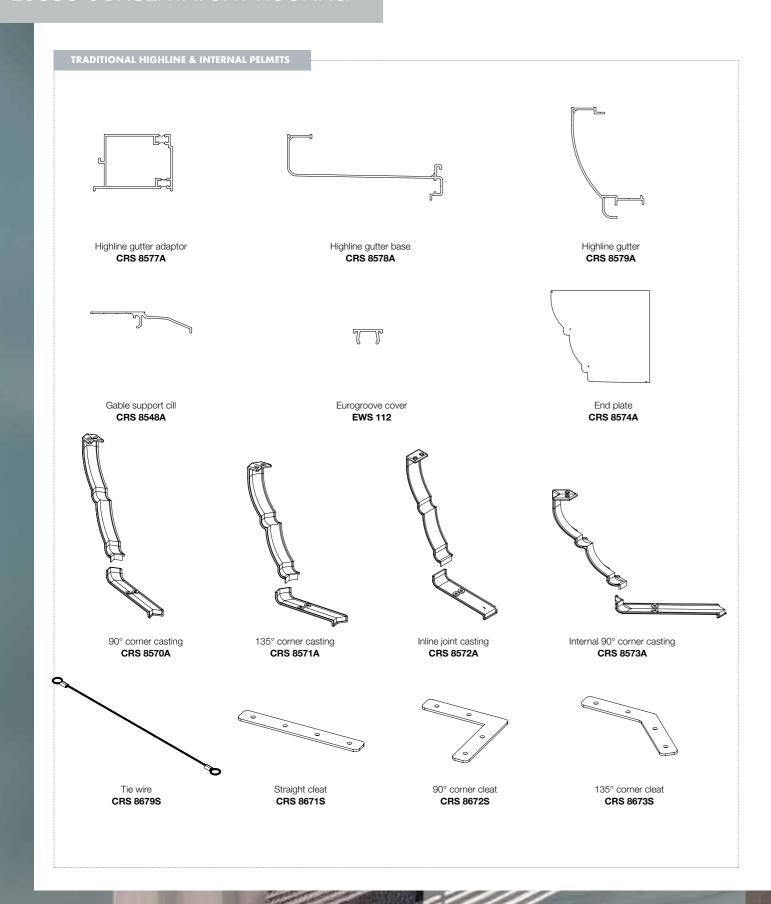
CONTEMPORARY CONSERVATORY ROOFING

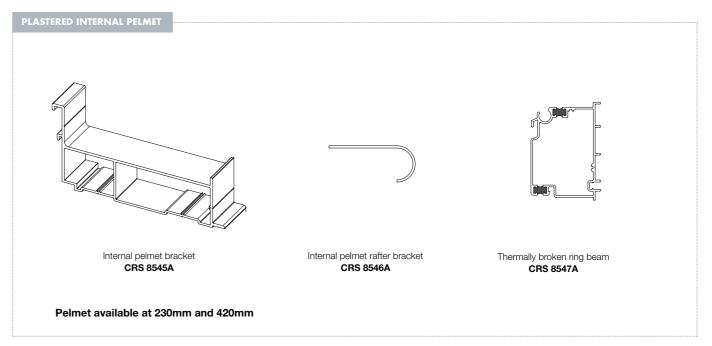


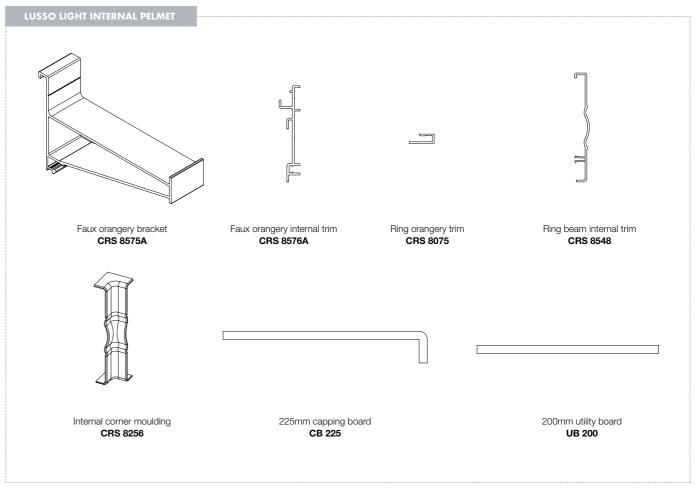




LUSSO CONSERVATORY ROOFING









For more information about the conservatory roof systems from Eurocell, call our customer services team on **0333 777 3040** or visit **eurocell.co.uk/conservatories**

Eurocell plc, High View Road, Alfreton, Derbyshire DE55 2DT

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