

# Carlton

Building Plastics Limited

The Independent PVCu Stockist



**M**axiLite

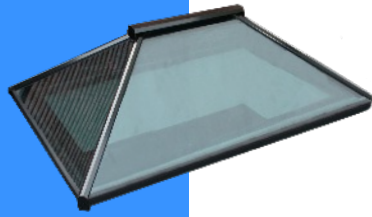
Less bars, more light

Aluminium Skylights and Roof Lanterns

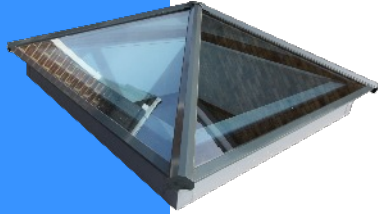
Slimmer, stronger and fast to install, the all new Maxilite range of aluminium roofs

# Maxilite Range

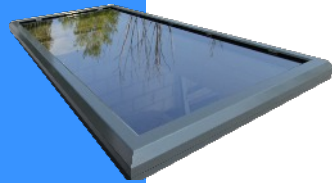
## Maxi-hipped



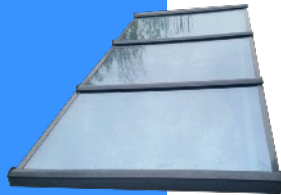
## Maxi-pyramid



## Maxi-flat



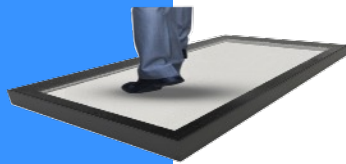
## Maxi-sky



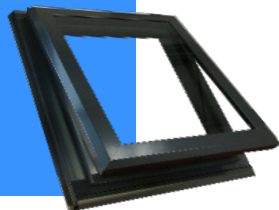
## Maxi-opener



## Maxi-walk-on



## Maxi-vent



## Maxi-hipped

- ▶ Available in both double and triple glazed options
- ▶ No radius ends, slim profiles and just a 60mm ridge
- ▶ Maximum size is 3m wide x any length

## Maxi-pyramid

- ▶ Available in both double and triple glazed options
- ▶ No ridge and just four hip beams
- ▶ Maximum size is 2.5m x 2.5m
- ▶ Designed to fit onto a square opening

## Maxi-flat

- ▶ Available in both double and triple glazed options
- ▶ No visible bars on show internally
- ▶ Maximum size is 1.2m x 2.5m

## Maxi-sky

- ▶ Available in both double and triple glazed options
- ▶ For large spanning flat opening
- ▶ Maximum size is 3m projection x any length

## Maxi-opener

- ▶ Available in double glazed versions only
- ▶ No visible bars on show internally
- ▶ 240v and 24v options
- ▶ Temperature controlled

## Maxi-walk-on

- ▶ Available in double glazed only
- ▶ 1.2u value to pass building control
- ▶ Maximum size is 2m x 1m
- ▶ Please note these lanterns are heavy

## Maxi-vent

- ▶ Available in both double and triple glazed options
- ▶ 240v and 24v options
- ▶ Manual or electric versions

Ask about

Bi-Fold Glass Verandas





# Glass technology

We glaze all of our roofs with argon gas filled units. The outer pane has a heat reflective coating which reflects 60% of the sun's heat away from your house, yet also retains heat in the building during colder periods, reducing heating bills.

## Self Cleaning glass

All of the MaxiLite roof lanterns come glazed with self cleaning glass as standard. The outer pane of glass is permanently bonded with a self clean coating which prevents the build up of dirt. When it rains the dirt is dispersed, leaving the glass clean and free of marks.

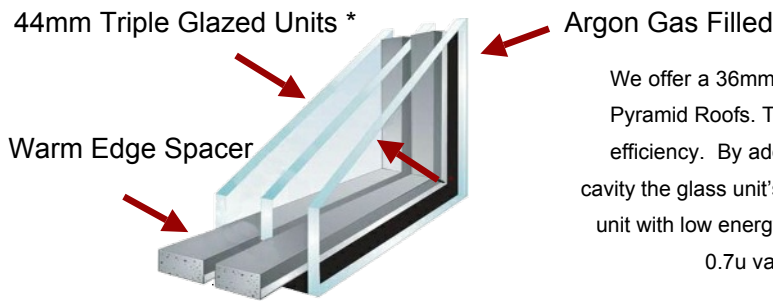
## Argon Gas Filled as standard

All units are filled with argon gas. Argon is 35% more thermally efficient than air as an insulator. Although argon gas makes the sealed unit more expensive to manufacture it improves its insulation properties by up to 30% over standard air filled units.

## Soft Coated low Energy Glass

We only use Low energy soft coated glass in MaxiLite roofs. This has benefit of reflecting the external heat of the sun during hot days and also reflecting the heat produced from your homes central heating back into your home when its cold, keeping your heating bills down and reducing CO emissions.

## 44mm Triple Glazed Units \*



## Triple Glazing Option

We offer a 36mm triple glazed roof glass option, for the Maxi Hipped, Maxi Sky and Maxi Pyramid Roofs. The Maxi Flat has a 44mm triple glazed sealed unit for increased thermal efficiency. By adding an additional layer of low energy glass and an additional argon gas cavity the glass unit's efficiency improves by more than 80%. A triple glazed argon gas filled unit with low energy glass and a warm edge spacer bar has a thermal transfer rating of just 0.7u value, a standard double glazed sealed unit has a thermal rating of 2.4uv.

## Toughened Safety Glass

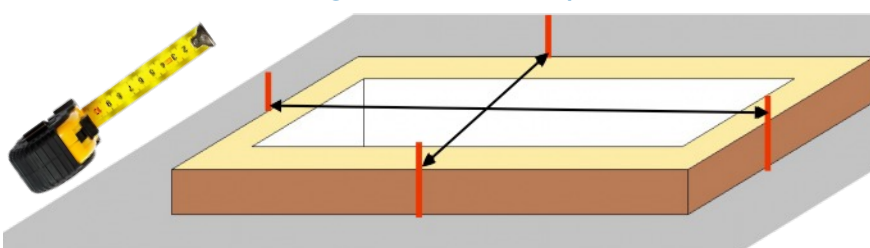
All MaxiLite roofs are glazed with toughened safety glass as standard. The glass is tempered at high temperatures allowing it to withstand greater loads. The tempering also makes it safer to use in roof applications. In this load test, carried out at our factory, we lowered seven 25kg bags of ballast onto a double glazed unit. Please note this is not a walk on roof.



## Glazing Options

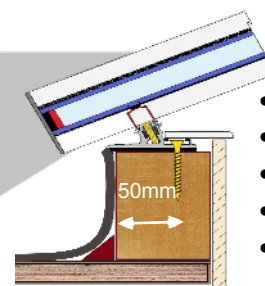
Glazing Options	U Value Double Glazed	U Value Triple Glazed	Solar Heat Reflection DG	Solar Heat Reflection Triple	Self Clean Coating
Clear	1.0v	0.7u	60%	70%	✓
Blue	1.0u	0.7u	60%	70%	✓
Neutral	1.0u	0.7u	78%	82%	✓
Bronze	1.0u	0.7u	52%	73%	✓
Privacy	1.0u	0.7u	60%	76%	✓
Aqua	1.0u	0.7v	60%	35%	✓

## Measure EXTERNAL edges of the roof up-stand

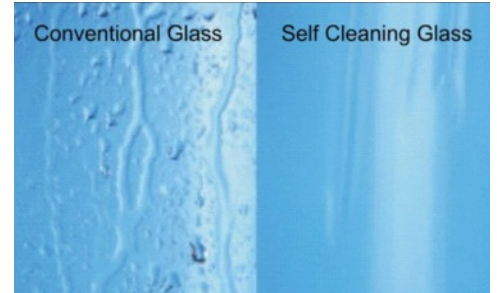
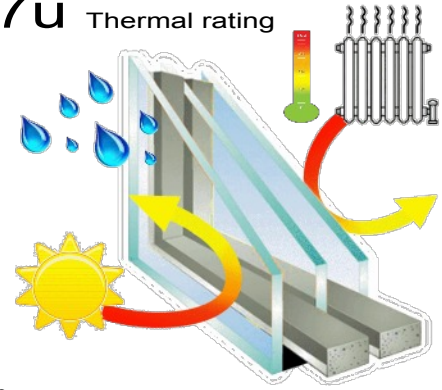


## Sizes required

- External sizes required
- Outer edges of up-stand
- Ring beam is 50mm deep
- Min. Up-stand height 50mm
- Min. Up-stand depth 50mm



0.7u Thermal rating



# Maxi-Flat

MaxiLite



Maximum Security



## Glass Lock

Maxi-flat glass cannot be removed

Maxi-flats unique glass lock system means that, once the frame is clicked into place, the glass can no longer be removed from the frame. This unique feature makes the MaxiLite flat roof one of the most secure lanterns available.

Patented Glass Lock as Standard



## Maxi-Sky

Large spanning flat roofs

Maxi-sky roofs are designed for large spanning openings. Able to span 3m using a flush profile self supporting beam system. With a transom width of just 60mm, means less bars and more light.



Fitting takes minutes not hours







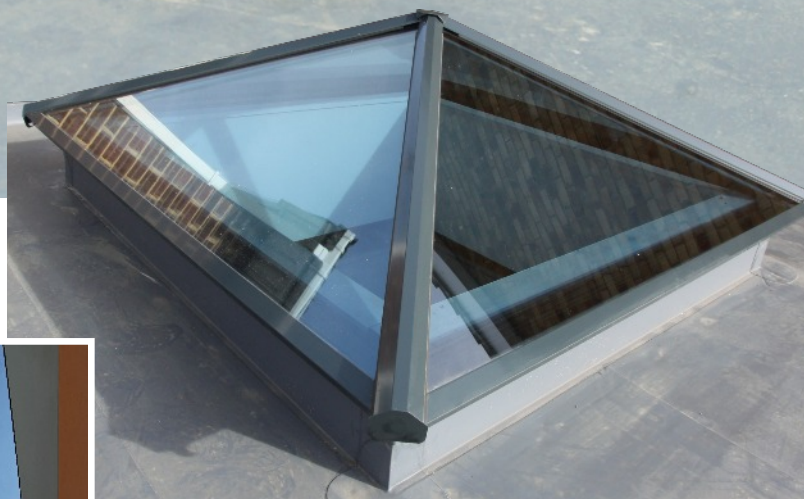
MaxiLite

“ does your roof tick all the boxes ? ”

## Maxi-Pyramid

Maxi-pyramid lanterns do not require a ridge

Maxi-pyramid roofs are designed to fit onto square roof openings. With no need for a ridge beam, and sloping on all sides, the Maxi-pyramid roof system gives the maximum possible glass area with the minimum obstruction. Designed to fit onto square roof openings, and with just four transoms, gives the maximum light



Ideal for square openings



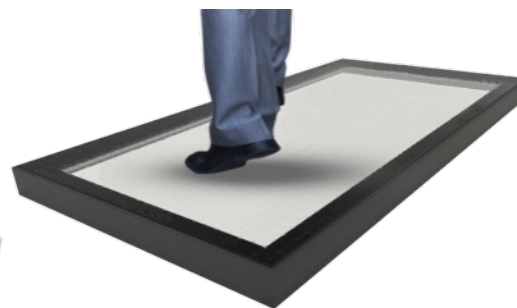
## Maxi-Opener

Maxi-openers, the electrically opening flat lantern



## Maxi-walk-on

Maxi-walk-on roofs with a 1.2u value



Opening lanterns



- ▶ Fully automatic opening roof
- ▶ Temperature controlled
- ▶ Rain sensor
- ▶ Remote controlled
- ▶ 240v and 24v for bathrooms



# Maxi-hipped



**MaxiLite**

“ does your roof tick all the boxes ? ”

## Super Slim

The maxi-hipped roof uses super slim bars

With a ridge width of just 60mm, no bulky radius ends and eliminating the need for jack rafter supports, the Maxi-hipped roof system is one of the slimmest roof lanterns on the market today. Using powder coated aluminium caps externally Maxilite lanterns have a life expectancy in excess of 25 years.

Maximum Security



Internal and external aluminium finish



Installed in minutes not hours



Super slim profiles



## Self Cleaning Glass



Self cleaning, 1.0 u value glass as Std.

Maxilite roofs come with self cleaning glass unit as standard





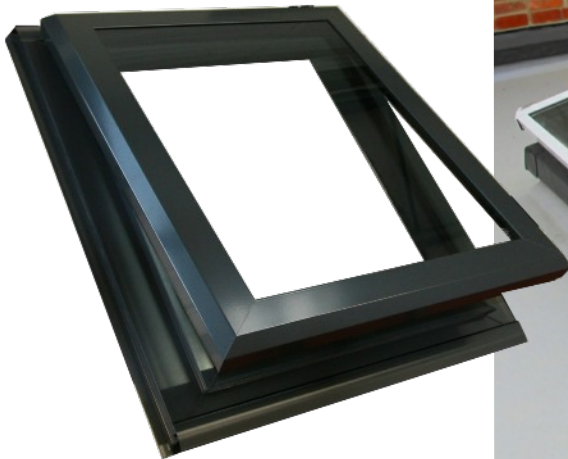


MaxiLite

# Maxi-vent

Lantern roof vents

Automatic Electric Roof Vents



- Fully automatic lantern roof vents
- Concealed motor option (no wires showing)
- Temperature controlled
- Built in rain sensors
- Remote controlled units
- 240v and 24v options



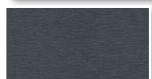
Black



White



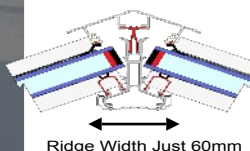
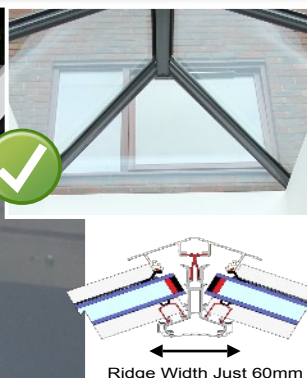
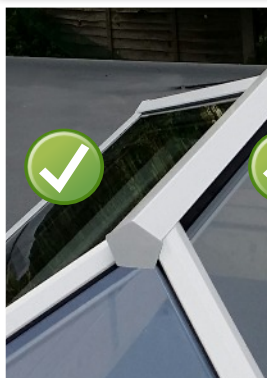
Agate Grey



Anthracite Grey

Super Slim Aluminium Profiles 

No Internal or External Radius Ends 



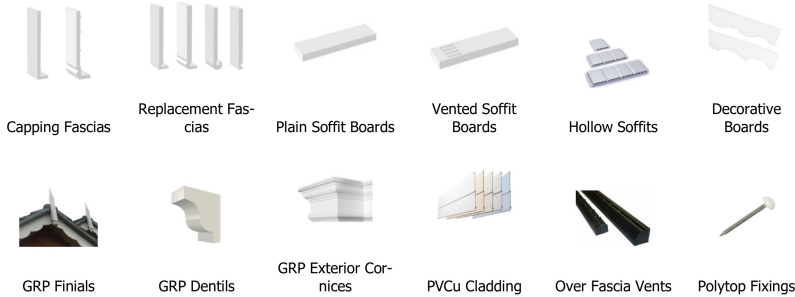
# The Range

Over 3000 Products!

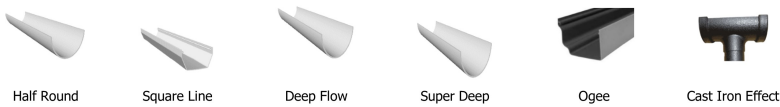
## PVCu Colours



## PVCu Roofline



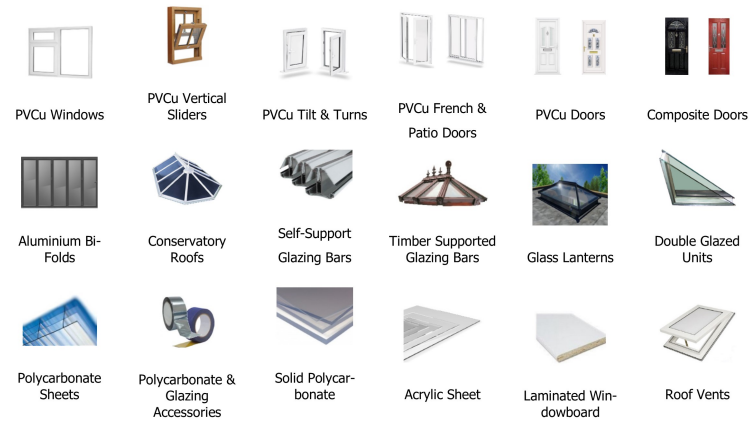
## PVCu Guttering



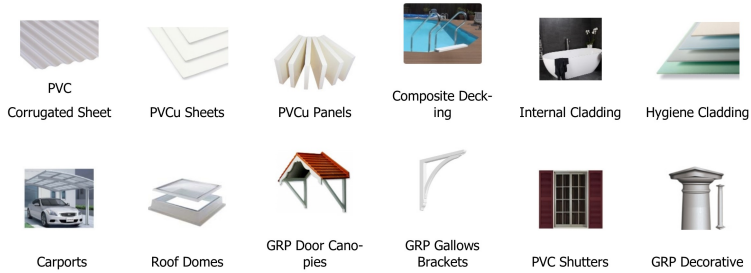
## PVCu Windowline



## PVCu Windows, Doors & Conservatories



## Other Products



Unit 6 Beddington Trading Park, Bath House Road, Croydon, CR0 4TT [www.carltonplastics.co.uk](http://www.carltonplastics.co.uk) [sales@carltonplastics.co.uk](mailto:sales@carltonplastics.co.uk) Tel: 020 8665 1221 Fax: 020 8665 1444



6 Beddington Trading Park  
Bath House Road  
Croydon  
CR0 4TT

**020 8665 1221**

Fax: 020 8665 1444

[sales@carltonplastics.co.uk](mailto:sales@carltonplastics.co.uk)

PVCu Fascia & Soffits  
Guttering & Down Pipes  
Cladding and Trims



Conservatory Kit Roofs  
Polycarbonate & Glass  
Glazing Bar Systems



PVCu Windows & Doors  
Bi-Fold & Patio Doors  
Composite Doors



PVCu Window Boards  
Architraves & Trims  
Silicones & Fixings