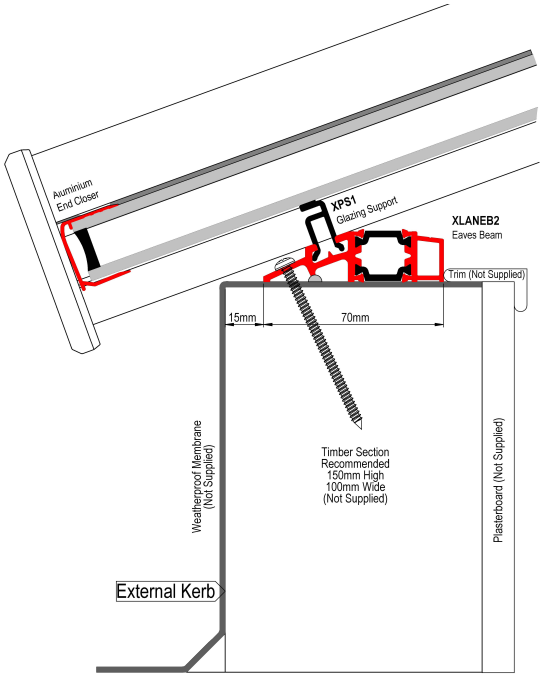
stratus
thermal lantern roof

We reserve the right to alter specifications and descriptions without prior notice as part of our policy of continuous development.
Version 3

Stratus Lantern Roof – Design Guide

The guidelines for designing Stratus Lantern Roofs are as follows:

1. Fixed pitch of 20° to all sides.
2. All external caps are aluminium in either White, Black or Grey finish (internal is always White, Black or Grey PVC-U).
3. 24mm glazing only.
4. Maximum and standard rafter spacing is 1500mm with a 31mm clearance required where glazing bar meets the radius end (see layout 2x4, symbol *).
5. No jack rafters.
6. Minimum ridge length is 100mm.
7. Maximum sizes will depend on rafter layout. Lengths up to 6m and widths up to 3m – see matrix for configuration details.
8. Sizes relate to external face of timber support as indicated by the blue arrow shown below.
9. No tie bars.
10. Roof Vents available (min 500mm x 500mm). Minimum lantern size 1390mm x 1975mm.
11. Default loading evaluation based on 0.6kN/m². All maximum bar spacing and layouts based on 0.6kN/m². For greater snow loading contact Technical.
12. Glass with at least 1.2 U-value can be used on most sizes of Stratus Lantern. Lanterns with less than 0.6m projection will require 1.0 U-value glass. Please refer to the Thermal Design Guide in Udesign for a confirmed U-value of each product.



Reference Only

Key	
	Possible
	Not possible
	Possible - *The customer must ensure that the kerb and surrounding roof can adequately resist the horizontal spread of the lantern.

Pyramid

	600	750	1000	1250	1500	1750	2000	2250	2500	2750	3000
600											
750											
1000											
1250											
1500											
1750											
2000											
2250											
2500											
2750											
3000											

STYLE 1

	1250	1500	1750	2000	2250	2500	2750	3000
750								
1000								
1250								
1500								
1750								
2000								
2250								
2500								
2750								

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STYLE 2

	1250	1500	1750	2000	2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000	5250	5500	5750
750																			
1000																			
1250																			X
1500																			X
1750																			X
2000																			X
2250																			
2500																			
2750																			
3000																			

STYLE 3

	2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000	5250	5500	5750	6000
750																
1000																X
1250															X	X
1500															X	X
1750															X	X
2000															X	X
2250															X	X
2500																
2750																

STYLE 4

	2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000	5250	5500	5750
750															
1000															
1250															X
1500															X
1750															X
2000															X
2250															X
2500															
2750															
3000															

STYLE 5

	2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000	5250	5500	5750	6000
750																
1000																X
1250															X	X
1500															X	X
1750															X	X
2000															X	X
2250															X	X
2500																
2750																
3000																

STYLE 6

	2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000	5250	5500	5750	6000
750																
1000																X
1250															X	X
1500															X	X
1750															X	X
2000															X	X
2250															X	X
2500																
2750																

STYLE 7

	2250	2500	2750	3000	3250	3500	3750	4000	4250	4500	4750	5000	5250	5500	5750	6000
750																
1000																X
1250															X	X
1500															X	X
1750															X	X
2000															X	X
2250															X	X
2500																
2750																