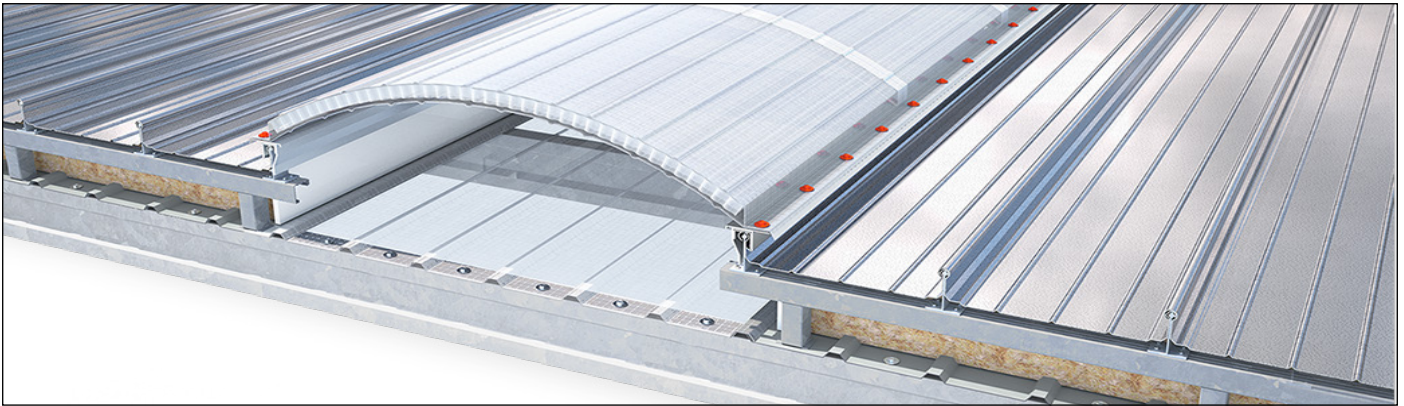


ZENON ARC - BARREL VAULT ROOFLIGHTS



Application	<ul style="list-style-type: none"> • Barrel-vaulted rooflight compatible with metal cladding and flat roof systems. • Suitable for continuous runs of rooflight openings required for flat, low pitched, curved standing seam or secret fix roofing systems and in conjunction with separate in-plane rooflight liner. • Other roof systems where a kerb can be created to mount the Arc includes Topdek type panels and membrane flat roof applications. • Designed for both new build and refurbishment applications. • Daylight opening sizes of 1000mm and 1200mm. 																
Benefits	<ul style="list-style-type: none"> • Fast, simple, labour-saving installation. • Diffused light transmission to reduce glare and improve daylight distribution. • May include Insulator layer options for improved thermal performance. 																
Non-Fragility	<p>Tested for non-fragility in accordance with the Advisory Committee for Roof Safety document ACR[M]001 offering expected periods of non-fragility up to 25 years. This is subject to all other elements of the assembly or roof construction retaining their integrity for the same period. Non-fragile ACR classification B.</p>																
Installation Summary	<p>Zenon Arc is mounted onto the kerb and fixed using suitable fasteners and sealed using butyl tape adhered to the kerb along the fastener line.</p> <p>At rooflight panel joints, the overlaps are fixed using self-drilling screw fasteners and sealant. For full installation details and drawings, visit the Zenon Arc website page.</p> <p>The Zenon Arc end caps may be supplied insulated or uninsulated as required. For horizontal kerb applications it is recommended that the end caps be fitted over the rooflight panels at both ends. Where the kerb line follows the slope of the roof, the lower end cap should be fitted below the rooflight lap and fixed/sealed in a similar manner to the rooflight panel laps, and the end cap at the upper end should be fitted above the rooflight panel.</p>																
Specification Options	<table border="1"> <tr> <td colspan="2" data-bbox="268 1451 571 1487">Rooflight options</td> </tr> <tr> <td data-bbox="268 1487 571 1532">Zenon Arc Pro</td> <td data-bbox="571 1487 1493 1532">Manufactured using the conventionally reinforced Zenon Pro rooflight material</td> </tr> <tr> <td data-bbox="268 1532 571 1576">Zenon Arc Evolution</td> <td data-bbox="571 1532 1493 1576">Manufactured using the high strength, low carbon Zenon Evolution material</td> </tr> <tr> <td colspan="2" data-bbox="268 1576 571 1621">Insulation options</td> </tr> <tr> <td data-bbox="268 1621 571 1666">No insulation</td> <td data-bbox="571 1621 1493 1666">Double skin rooflight with no insulation</td> </tr> <tr> <td data-bbox="268 1666 571 1733">Zenon Insulator</td> <td data-bbox="571 1666 1493 1733">Rooflight assembly can include an insulation layer of the patented Zenon Insulator, either 40mm or 20/20mm for improved thermal performance</td> </tr> <tr> <td colspan="2" data-bbox="268 1733 571 1778">Other</td> </tr> <tr> <td data-bbox="268 1778 571 1845">Zenon Shield</td> <td data-bbox="571 1778 1493 1845">All assembly types incorporates purpose designed UV surface protective film for enhanced protection and durability</td> </tr> </table>	Rooflight options		Zenon Arc Pro	Manufactured using the conventionally reinforced Zenon Pro rooflight material	Zenon Arc Evolution	Manufactured using the high strength, low carbon Zenon Evolution material	Insulation options		No insulation	Double skin rooflight with no insulation	Zenon Insulator	Rooflight assembly can include an insulation layer of the patented Zenon Insulator, either 40mm or 20/20mm for improved thermal performance	Other		Zenon Shield	All assembly types incorporates purpose designed UV surface protective film for enhanced protection and durability
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<i>Performance data for each assembly configuration options over</i>																	

Performance Data	U-value W/m ² K	Light transmission %	Solar transmission %
Zenon Arc Pro	2.9	66	65
Zenon Arc Pro Insulator 40	2.0	66	65
Zenon Arc Pro Insulator 20/20	1.6	61	61
Zenon Arc Evolution	2.9	53	54
Zenon Arc Evolution Insulator 40	2.0	53	52
Zenon Arc Evolution Insulator 20/20	1.6	49	49

Dimensional Tolerances

The rooflight panels may be supplied up to 2.5m long and to suit each application.

The dimensions of the sheets supplied shall be within the following nominal tolerances as declared:

Length: Sheets up to 2.5m long, -0 to +10mm
Width: ±5mm

Squareness: The deviation shall be not more than 0.5mm in every 100mm of width

Biological Resistance

Resistant to attack by micro organisms, fungi, larvae, insects and mildew. Wash with mild detergents to remove any deposits.

Chemical Resistance

Exposure to certain acids, alkalis and solutions of water soluble gases may be detrimental to the durability and integrity of the rooflight sheets. For further information, please contact our Sales Office.

Materials Compatibility

No chemical reaction with any other established construction materials.

Service Life Guarantee

Hambleside Danelaw guarantee that the Zenon Arc has a service life of 25-30 years subject to specification and being handled, store, fitted and maintained in accordance with their recommendations. For further details, contact our Sales Office.

www.hambleside-danelaw.co.uk/zenon-rooflights
sales@hambleside-danelaw.co.uk

Non-Fragility

GRP sheets are extremely durable and their strength will be retained in the long term. However, the period of non-fragility of these sheets may vary depending on the possible effect of external factors, unless fully documented maintenance procedures are sufficiently comprehensive to ensure prevention of any factors which could render the sheet assembly fragile. Most typical maintenance regimes are not usually sufficient to achieve this; in the interests of safety it is prudent when accessing roofs incorporating these sheets to take full safety precautions.

Never walk on profiled GRP roof sheets or rooflights, irrespective of their non-fragility classification. Even GRP sheets that are designed to be non-fragile for the life of the roof could be damaged by foot traffic, and this may affect the non-fragility performance.

All the information contained in this datasheet is provided in good faith and without guarantee and warranty. Hambleside Danelaw reserves the right to change the specification of its products at any time. No liability can be accepted for any losses, claims or demands that may arise as a result of the information provided in this datasheet. This statement does not affect statutory rights.