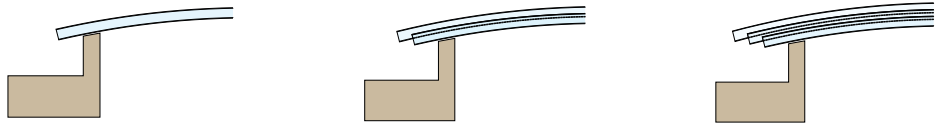


ZENON CURVE - SITE ASSEMBLED BARREL VAULT ROOFLIGHTS



Application	<ul style="list-style-type: none"> • Supplied as individual pre-curved self-supporting rooflight panels for site assembly and characterised by a trapezoidal ribbed profile following the curve of the panel. • Ideal for use on all types of flat and low pitch roofs. Mounted on a kerb supplied by others on different types of roof coverings including cladding systems, asphalt, BUR, supported metal, liquid applied and single-ply membranes. • Available for daylight openings or support systems up to 4m wide and at a fixed panel radius of 3.15m in natural translucent or opal GRP and at a nominal weight of 2.4kg/m² • Installed in single, double or triple layer configurations using system spacer brackets • Can be used in combination with a separate insulated liner panel in built-up self-supporting profiled metal sheet and composite panel roofing systems • End caps available uninsulated or insulated 	
Benefits	<ul style="list-style-type: none"> • Simple, quick labour-saving installation • Diffused light transmission to improve light distribution and reduce glare • Excellent spanning capabilities 	
Specification	Configurations	<p>The Curve trapezoidal profile can be assembled with either one, two or three layers.</p>  <p>Other options can include a separate profiled in-plane rooflight liner panel and separate insulation layer options.</p>
Non-Fragility	<p>Tested for non-fragility in accordance with the Advisory Committee for Roofsafety document ACR[M]001 offering expected periods of Class B 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.</p>	
Installation	<p>For single layer installation, the panels are laid to span centrally between kerbs and fixed through a matching profiled filler strip using 4no. 20mm minimum self-sealing washers and fasteners to suit the kerb construction per panel on each kerb. The adjacent panel is then lapped over the first and fixed in the same way.</p> <p>Where subsequent panels are to be built up, the kerb fixing should pass through the clearance hole in the system Z-bracket orientated downslope on top of the rooflight panel. The outer sheet is then fixed through a second profiled filler strip between rooflight layers using 5mm dia. screw fasteners and 20mm minimum self-sealing washers into the pre-drilled Z-bracket hole. A third layer may be built in the same way.</p> <p>For improved weatherproof sealing and airtightness 15mm x 2mm butyl tape sealant strips may be used on the kerb top and first filler strip, between rooflight panels and filler strips on the fixing lines and on the crowns of the rooflight profile in the side laps.</p> <p>The end caps are fitted over the crown of the rooflight profile at the ends of the rooflight run and fixed into the face of the kerb.</p> <p><i>For further information, please refer to HDL guidelines and installation drawings.</i></p>	
<p><i>Typical performance data for each assembly configuration options over</i></p>		

Performance Data (Natural Translucent)

	U-value W/m ² K	Light transmission %	Solar transmission %
Single skin	5.7	81	78
Double skin	3.0	65	65
Triple skin	2.2	54	55

Dimensional Tolerances

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

Length: -0 to +10mm

Width: ±5mm

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 Curve has a service life of up to 25 years, subject to being handled, stored, fitted and maintained in accordance with their recommendations. For further details, contact our Sales Office.

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.

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