



## Case Study – Pizza Supply Chain Centre, Warrington

### Topped with Zenon Arc Rooflights

**New-state-of-the-art supply chain centre in Warrington for well-known pizza brand.**

Located on part of a former RAF and USAAF airbase, Omega is a £1 billion project that covers 575 acres to the north of Warrington. The project encompasses commercial premises together with retail and leisure facilities and new homes. Omega's vision is to create opportunities for business and the community. Once the Omega project is complete it is forecast that the businesses will create around 24,000 new jobs.

Part of the project in Omega South is the new £30 million supply chain centre for a well-known pizza brand, covering 10,800 square metres of the development. Providing jobs for 120 people in the local area, the centre is used for production, storage and distribution for over 400 pizza outlets across the North West of England.

The client's requirement was for a high quality roof and cladding system. The architects on the project specified the Euroclad Elite 3 System that used on-site profile forming to achieve the long sheets required to span the entire 64m wide curved roof.

Hambleside Danelaw's Zenon rooflights were specified to deliver high quality diffused natural daylighting into the key operational areas. Due to the very shallow roof pitch created by the central zone of curved roof, the Zenon Arc Pro barrel vault rooflight system was chosen rather than a Zenon in-plane rooflight option. Zenon Arc is manufactured from thermo-set GRP, delivering all the benefits of diffused light, high strength, longevity and fire resistance. The Zenon Arc was fixed to a kerb that followed the curvature of the roof, and is an ideal choice for low pitch standing seam systems and flat roof applications.

450 linear metres of rooflights were supplied that also included a separate rooflight liner of Zenon Pro 30 to match the Euroclad MW5 liner profile. This alone achieves Class B non-fragility when lining out the roof, and also facilitates effective sealing of the roof construction at liner level to achieve maximum airtightness, reducing air leakage heat loss and minimising condensation risk.

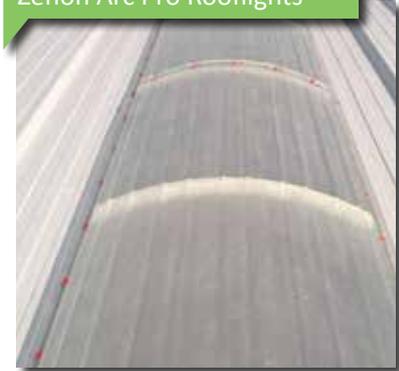
Once the liner rooflight and kerb were installed, the pre-assembled Zenon Arc modules meant that the installation of the 1-metre wide barrel-vaulted panels could be completed extremely quickly by the expert team at IRC Carocelle. The rooflight assembly was completed with the inclusion of insulated end caps at the end of each rooflight run.

Wayne Sprason; Associate Director at IRC Carocelle said 'Installation of the rooflights was straightforward and labour saving when compared to other systems. At IRC Carocelle, we like to work quickly and efficiently to deliver a quality finished project. Zenon Arc fitted our requirements perfectly and we wouldn't hesitate to use it again on other projects'.

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Or you can visit our website; [www.hambleside-danelaw.co.uk/zenon-rooflights/](http://www.hambleside-danelaw.co.uk/zenon-rooflights/)

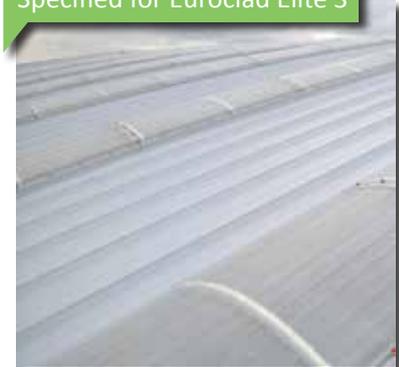
Zenon Arc Pro Rooflights



Preformed insulated end caps



Specified for Euroclad Elite 3



## Products used in this project

### Zenon Arc barrel vault rooflights

Zenon Arc barrel vault GRP rooflights are available either uninsulated, or insulated with the Zenon Insulator™ system, and are characterised by longitudinal ribs for extra rigidity. They may be constructed from Zenon Pro and Zenon Evolution rooflight sheets, depending upon the performance specification, durability and non-fragility periods required, to provide two daylight opening width options of 1000mm and 1200mm.

Zenon Arc Pro rooflights are manufactured using the conventionally reinforced Zenon Pro 24 rooflight sheets, and Zenon Arc Evolution rooflights are manufactured using the high strength, low carbon Zenon Evolution LC1 outer sheet combined with a Zenon Pro liner.

Suitable for flat roofs, low pitch, curved, standing seam and secret fix roof installations, they offer diffused light transmission to reduce glare, improved thermal performance, lower embodied carbon levels and long term non-fragility to ACR Classification B.

### Zenon Pro rooflight sheets

Zenon Pro is ideal for industrial, commercial or agricultural buildings. Benefits include;

- A full range of weight options to suit all specification requirements
- Available in over 1000 profiles to suit new build and refurbishment projects
- Suitable for installing in single skin and double skin assemblies
- Insulated with either multi-wall polycarbonate or our patented Insulator™ core
- Compatible with both site-assembled and composite panel cladding systems
- High levels of natural daylight
- Carries Zenon Shield, a highly durable UV protection surface film
- Meets all non-fragility requirements subject to specification
- Manufactured and CE marked in accordance with BS EN 1013