

ORIAM SPORTS PERFORMANCE CENTRE, SCOTLAND BRETT MARTIN DAYLIGHT SYSTEMS



Brett Martin Daylight Systems has supplied a comprehensive range of rooflight solutions to the stunning new £33 million Oriam, Scotland's Sports Performance Centre, creating a light and airy environment which offers exceptional thermal comfort for athletes.

Designed by Reiach and Hall Architects and built by Bowmer & Kirkland, the centre at Heriot-Watt University's Edinburgh campus features a full-size indoor synthetic football pitch, two sports halls and other facilities. The design of the secondary sports hall required a roof which allowed sufficient light and ventilation into the building.

This technically proficient building features a spectacular and unique curved roof, incorporating a combination of rooflight systems from Brett Martin Daylight Systems that maximised daylight, limited heat gain as well as offering the most cost-effective solution.

The products chosen were not only economic, reliable and easy to install by specialist contractor Keyclad, but using a combination of 19 x Ritchlight mono pitched rooflights and 120 x Xlok Ultra panel glazing systems, vented and unvented, ensured the differing aesthetic and performance requirements were met.



Steven Batty, Technical Sales Manager of Brett Martin Daylight Systems said: “The amount of air needed within the sports hall was massive, so we came up with an opening method across the full bay that allowed greater air flow and met their requirements. Also, the sizes of the vents were a lot bigger than normal.”

Ritchlight Mono Glass (vented) was used in the low roof areas where good acoustic properties needed to be coupled with natural ventilation and impressive aesthetics.

Ritchlight Mono Polycarbonate (vented) and Xlok Ultra were used in combination on the higher level roof where the same high levels of natural ventilation were required, but with more of an emphasis on budget due to the large areas of glazing. This combination also offered the simplest and quickest installation phase by using the very quick-to-fit Xlok Ultra for the rooflight areas that did not need to be ventilated.

Commenting on the installation, Matt Lowndes of Keyclad said: “There were a significant number of rooflights on this project, but with Brett Martin’s technical support we found their installation to be quick, reliable and easy, ensuring the project remained on track for completion.”



Highly versatile, Brett Martin’s Ritchlight mono and dual pitched skylights can be produced in any run length so the design opportunities are endless. Ritchlight mono and dual pitched skylights offer a wide range of glazing options and U-values as low as 1.1 W/m²K, far exceeding the thermal requirements of Part L of The Building Regulations.

A good example of multiple solutions from one manufacturer, the Oriam project is testament to using a reputable manufacturer which offers far more than the quality of the product itself. Brett Martin not only designs a wide range of systems to deliver optimum performance, durability, safety and regulation standards – it also provides superior technical support, detailed installation instructions and maintenance guidelines to ensure systems perform as promised, and work alongside all other roofing elements

With the specification and installation of Ritchlight and Xlok skylights optimising natural daylight and ventilation in this stunning sports centre, Brett Martin has played its part in the creation of an aesthetically pleasing, healthy and manageable facility which will be of long-term benefit to Scotland's sporting future.



Daylight Systems

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