

**PhotonStar™**

Performance LED EcoLighting Solutions

## Scotland's brightest school

Newbuild primary school

A new primary school in Scotland is enjoying a more pleasant environment and lower maintenance and energy bills following the installation of a reliable LED lighting solution from leading UK manufacturer PhotonStar.

With outstanding renewable features and a sustainable design, Pumpherston School in West Lothian is one of the first of its kind to be funded by the Scottish futures trust. It was built by West Lothian Council and achieves an impressive EPC rating of B+.

The choice of lighting for the project was important, with consideration needed regarding reliability, efficiency, maintenance, light level and colour quality. Pumpherston School wanted a long term lighting solution that was reliable and saved money where maintenance and energy bills were concerned. The solution also needed to offer better quality of light and less safety risks than fluorescent lighting, the most common type of lighting in the education sector, in order to improve the work environment for the children and the staff.

The architect and engineering team chose PhotonStar LED fixtures to light both the interior and exterior of the school due to their reliability, efficiency and quality.

With all manufacture in the UK and a build heritage of over 5 years, the PhotonStar luminaires used offered long-term reliability to the school and the 50,000 hour rated life of the products would allow approximately 20 years of hassle-free lighting.

The LED lighting improved the quality of the environment inside the school and the higher output of the luminaires provided more suitable light for learning. The LED fittings are also proven to be a safer lighting solution than fluorescent lighting, with no UV or mercury being emitted and the elimination of flicker which can often cause medical problems.

Pumpherston School also benefit from lower energy usage, zero bulb changes and dramatically reduced maintenance, allowing significant maintenance and operation bill savings. Compared to typical fluorescent fittings, the PhotonStar solution saves the school 30% in energy usage. It also eliminates almost all of the expenditure on maintenance and achieves payback in around 3 years.

Pumpherston School is an ideal example of how the education sector can benefit by using high quality and reliable LED lighting. The PhotonStar solution provides proven quality and reliability whilst enhancing the learning environment of Pumpherston School for both students and staff. The LED fittings also offer safety and financial benefits which, combined with the reliability, British manufacturing and quality of light, delivers the perfect solution for Pumpherston School.

