



PhotonStar™

Performance LED EcoLighting Solutions

Enhanced Optometry

Vintage independent optometrist practice

Pinnington Opticians, a vintage independent optometry practice in the heart of Cheshire, has long held the ethos of exceeding customer expectations. With comprehensive examinations, expert advice and reliable after-care, the opticians has a reputation for satisfying customers. Owner Stephen Pinnington understood that to maintain this reputation, the existing Halogen and CFL lighting in the practice would need to be replaced.

Whilst energy efficient light fittings are commonplace, there are unique challenges when installing lighting a medical environment. Low energy sources like CFL and LED can vary in colour quality and rendering, making accurate patient examinations and evaluations difficult. Where retail is concerned, poor colour rendering and quality can cause problems when it comes to the selection of products; the colours of products are not accurately represented.

In addition to the need for high quality and colour rendering, Pinnington Opticians required a solution with a warmer colour temperature to enhance the feeling of comfort and relax patients. The opticians practice has recently become a distributor of high-end glass ranges such as Chanel, and was keen to install more modern and stylish light fittings compared to their existing.

In order to improve the efficiency of the building and overcome the unique lighting challenges, Stephen Pinnington contacted PhotonStar LED Ltd. With all manufacture in the UK and a high quality selection of fully tested LED downlight ranges to choose from, PhotonStar offered reliability and proven quality.

PhotonStar supplied the opticians with twin round fittings from its Cordus range. The new downlights replaced the previous Halogen and CFL fittings, providing improved quality of light and an efficacy

of up to 93lm/cw, as well as excellent colour rendering (CRI >90) and better light levels. The new fittings allow for better patient examination by optometrists and better visual representation for customers selecting products. The 'Cordus' fittings are adjustable gimbal fixtures with a tilt, allowing for the highlighting of products in store. As an added benefit, the modern, fresh appearance of the fittings suits the contemporary style of the opticians.

Although the new LED solution were primarily installed to improve patient satisfaction, Stephen was also pleased to learn that the fittings achieved energy savings of almost 80%, reducing the overall energy load from 4.31kW for the previous fittings to 0.81kW for the PhotonStar replacements.

This concludes in dramatically reduced operating costs whilst providing rapid payback on the luminaires. The PhotonStar LED luminaires are fully recyclable and don't present the problems of mercury content and UV radiation that CFLs do. The new solution will last over 15 years, requiring minimal maintenance and eliminating the risk of the inconvenient bulb failure which occurred with the previous CFL fittings.

With the new LED lighting installed in the surgery, Stephen Pinnington insists that there is a difference in both the energy bills and the customer satisfaction. "The PhotonStar fittings use a lot less energy which is ideal, but they also offer a better quality of light and represent product colours really well. Not only this, but they suit the modern style we were trying to achieve in the building and the atmosphere is brighter and refreshed, suiting both our customers and staff alike".

To find out more about Pinnington Opticians visit their website: www.pinnington-opticians.co.uk

