

## CASE STUDY

### HEREFORD CATHEDRAL CLOSE LIGHTING SCHEME



☐ DARK SKIES ☐ ECOLOGY ☒ APPLICATION IMPROVEMENT ☐ NEW INSTALL ☐ RETROFIT

# HEREFORD CATHEDRAL CLOSE & BALFOUR BEATTY

## LED Lighting Scheme

### BACKGROUND

The primary aim for changing the exterior lighting at Hereford Cathedral Close was to improve the reliability as the existing 45-watt Cosmo lamped lanterns were continually failing due to ballast and lamp failures, causing high ongoing maintenance costs to Balfour Beatty who are responsible for the maintenance of the Cathedral grounds.

The Cathedral Head of Estates was also keen to ensure that the new lighting solution would provide a high performing, diffused light source in a lantern style that was in keeping with the existing lanterns and provide a safe, ambient lighting solution for this prestigious historic site.



### SOLUTION

TRT proposed the use of its Chalis Light Guide 3000K lantern with a bespoke RAL5011 blue finish to match the existing tapered columns. This lantern also benefits from the TRT PowerSet feature (a physical, on-site, integral power adjustment within the lantern negating the need for any reprogramming device(s)) which is set to 35W.

The three bespoke wall mounted brackets for the Chalis lanterns had 60mm upstand brackets that were true, so fitting to them was straightforward with a 60mm reducer fitted into our 76mm bracket.



*We needed a solution that was robust and low maintenance whilst also meeting the requirements of Hereford Cathedral and the fact it is a historic site. Working with TRT, we were able to achieve both and the outcome is excellent from a maintainability, public safety and environmental perspective.*



Vince Beecham T Signal S Lighting Manager, Balfour Beatty



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*I really wanted to make sure that whatever solution we installed, it would be sympathetic to the environment and the cathedral itself. We needed good lighting but a diffused light source and a lantern design that was in keeping with our existing lanterns. We're extremely happy with the result.*

Alan Cartwright Head of Estates, Hereford Cathedral

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## OUTCOME

The trial enabled us to identify and resolve any issues and allowed the client(s) to view and approve the Chalis lantern as a solution. The installation was then completed without any issues and the outcome is lighting that is sympathetic to its environment whilst also providing an efficient and low maintenance solution for both Hereford Cathedral and Balfour Beatty.

The Chalis LED Light Guide solution is already lowering carbon emissions due to the reduced number of maintenance calls. In addition to this environmental improvement, a 30% reduction in energy consumption has also been achieved.



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