



Case study

Gateshead Millennium Bridge

Location
Philips Lighting

Millennium Bridge - Gateshead, UK
LED ColorReach Powercore

PHILIPS



Philips has supplied a state-of-the-art LED lighting solution at Gateshead's world famous Millennium Bridge. This truly unique piece of engineering is now complemented by ground breaking ColorReach™ Powercore technology.



Philips illuminates Gateshead Millennium Bridge to stunning effect



Fast Facts

Location

Gateshead, UK

Installed Lighting System

8 x ColorReach Powercore
DMX Controller

Project in Partnership with

Stage Electrics
Architainment Lighting
Philips

Background

Acclaimed as the world's first and only tilting bridge the LED lighting solution supplied is in itself a revolutionary development in LED technology.

As Craig Grieveson of Stage Electrics comments, "When Gateshead council decided that the time had arrived to update the existing lighting system it was an ideal opportunity to put forward Philips ColourReach™. It's the first LED architectural floodlight which is powerful enough to illuminate large-scale structures having more lumen output than any other comparable fixture for exterior illumination."

Benefits

Indeed, ColorReach™ offers exceptional light projection of up to 5,000 lumens over 500 feet providing colour mixing effects through both static and dynamic colour changing sequences. In this instance, the ColorReach™ modules also offered an energy saving opportunity operating at 290W at full output compared to the 700W traditional floodlights they replaced.

Simple and easy to use the system is programmed to run from sunset through to 1am each evening. To create these stunning effects, a total of 8 RGB LED ColorReach™ Powercore luminaires were installed, all incorporating a flexible selection of beam angles allowing differing combinations of dynamic displays to be produced. These were run via an DMX controller using astronomically triggered timelines as well as real time special events.

Potential also exists, for example, to use one beam on the module's lower half to bathe the vertical plane with colour at deck level whilst utilising a different beam angle to project a contrasting or complementary colour hundreds of feet up at the top of the bridge arch. In addition, two remote touch screens have been installed to allow bridge staff to take manual control of the system for last minute special requests or specific colour requirements.

Without doubt, the additional dynamic flexibility offered by ColourReach™ will further add to its multi award winning status as a major national and international tourist attraction.





©2009 Koninklijke Philips Electronics N.V.

All rights reserved. Reproduction in whole or in part is prohibited without the prior written consent of the copyright owner. The information presented in this document does not form part of any quotation or contract, is believed to be accurate and reliable and may be changed without notice. No liability will be accepted by the publisher for any consequence of its use. Publication thereof does not convey nor imply any license under patent or other industrial or intellectual property rights.