PHILIPS

Outdoor lighting

Urban & Architectural

LED

Case Study

New lighting for Littlehaven Promenade enhances the sea experience

Littlehaven, South Tyneside, United Kingdom

Customer
South Tyneside Council

Location
Littlehaven, South Tyneside, UK

Philips products
Milewide LED, DecoScene, ColorGraze, ColorBlast

Project partners
Balfour Beatty, LITE

Background

The creation of a new promenade and sea wall at Littlehaven in South Shields has made highly effective use of lighting to create a greater sense of place and enhance the experience for people using the amenities.

As the previous coastal defences at Littlehaven reached the end of their serviceable life, South Tyneside Council saw an opportunity to not only create a new and more effective coastal defence but also to improve facilities for local residents and visitors.
This has involved the development of a broader amenity beach with a wide and accessible coastal promenade featuring meandering pathways throughout the scheme.

There are also areas of interest along the length of the promenade using bespoke seating, street furniture and public artworks, enhanced by a lighting design that washes the promenade with a range of colors to create a spectacular nighttime coastal experience.

“Using the Pharos control system the Council can **create lighting scenes to complement particular events or times of the year**, or simply to bring the area to life with a pre-defined color changing sequence.”

Mike Smith, Project Manager, Balfour Beatty

Boulevard & Avenue

The Project

From the early stages of the project a decision was taken to make use of the latest LED lighting technologies to take advantage of their controllability, energy efficiency and long life time.

“It was clear that LED lighting would meet our criteria for reducing energy consumption, carbon emissions and life cycle costs while enabling us to make use of color changing effects,” explained the Council’s Head of Development Services George Mansbridge.

Working to the Council’s concept design Balfour Beatty Living Places, South Tyneside’s PFI street lighting contractor, then produced a detailed lighting design. “We worked closely with Philips Lighting to select the most appropriate complete lighting points and architectural lighting to meet the criteria for both the general walkway lighting and the dynamic color system,” recalled Balfour Beatty Project Manager Mike Smith.

The MileWide LED luminaires have been used to provide the general lighting along the length of the promenade and car parks, mounted on dedicated curved poles for MileWide – also supplied by Philips – that are redolent of the waving of seagrass blades. Each of the MileWide luminaires has been fitted with dimmable drivers so that the general lighting can be dimmed during light shows and also at quieter times of the night to save energy.

The dynamic color lighting effects are provided by ColorBlast fixtures attached to the curved poles of MileWide LED. “Using the Pharos control system the Council can create lighting scenes to complement particular events or times of the year, or simply to bring the area to life with a pre-defined color changing sequence,” Mike Smith continued.

In addition, the two works of art specially commissioned for the Littlehaven promenade have their own dedicated lighting, using a Philips DecoScene inground spots for the ‘Eye’ and recessed ColorGraze linear fixtures for the ‘Sail’.

In bolstering the sea defences at Littlehaven, South Tyneside Council has also created a brand-new amenity for this popular resort, combining engineering functionality with exemplary aesthetic design that has created an inviting attraction for people to use throughout the year.

Enhanced
experience
for people

Urban
inspiration

Increased
number
of visits

Date of release December 2014.

www.philips.com
www.lighting.philips.com