MaxiLED Lighting

LITE
Lighting and Illumination Technology Experience Limited
Architectural

MaxiLED Large Globe series
RGBW DMX

Case Study

Saltburn Pier

MaxiLINK ENABLED
Data over Power distribution to the fixtures

DATA Over POWER
2 Core
Data over Power

DMX
RGBW

UK MANUFACTURED

Information

Client: Redcar and Cleveland Council - United Kingdom

Location: Saltburn Pier, North Yorkshire - United Kingdom

Products Used: MaxiLED Large Globe series RGBW DMX

Controller Used: Pharos

Technology

MaxiLINK ENABLED

Data over Power distribution to the fixtures

DATA Over POWER

2 Core
Data over Power

DMX RGBW Controllable

Environment:
Dry, damp and wet locations (IP68).

Power Output:
48VAC with combined data over line voltage.

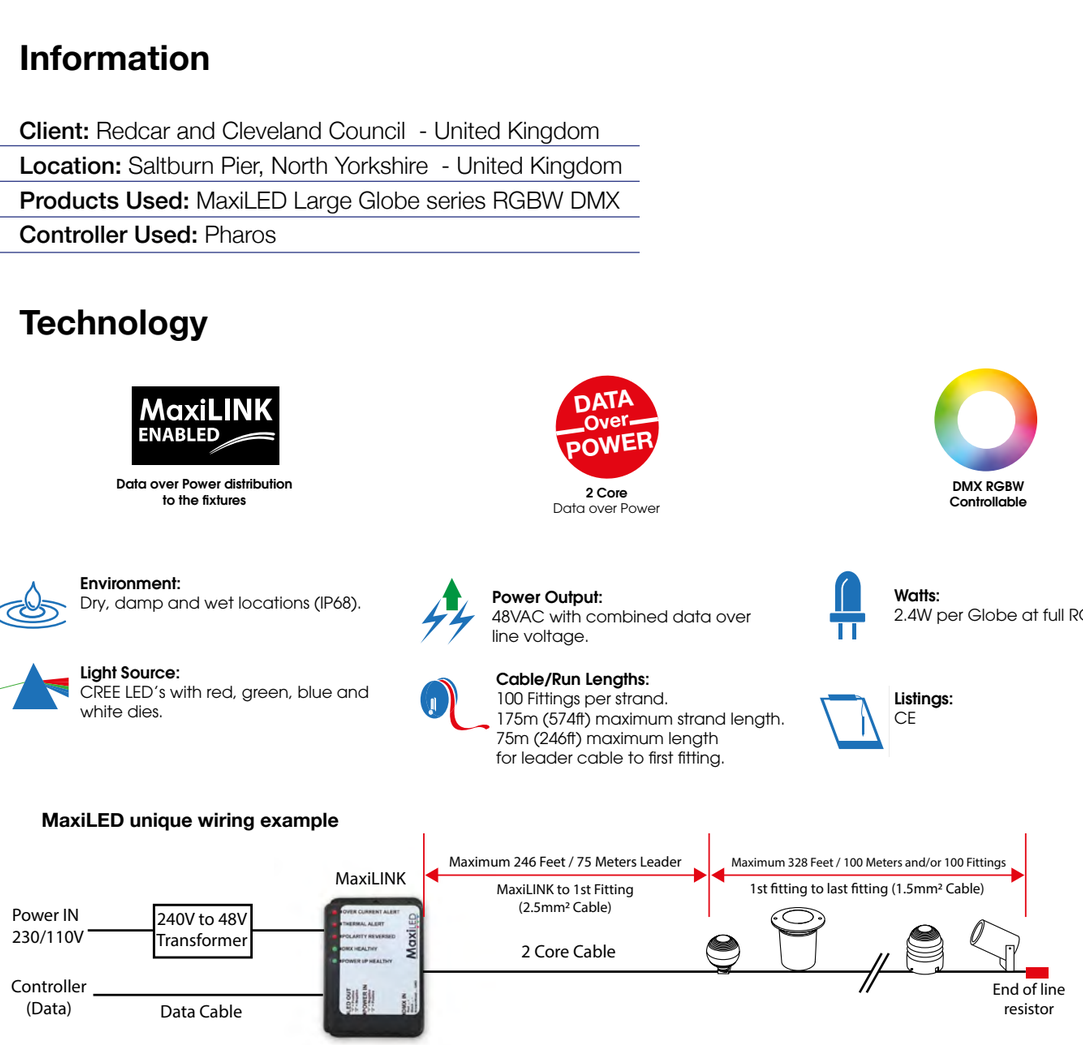
Watts:
2.4W per Globe at full RGBW on.

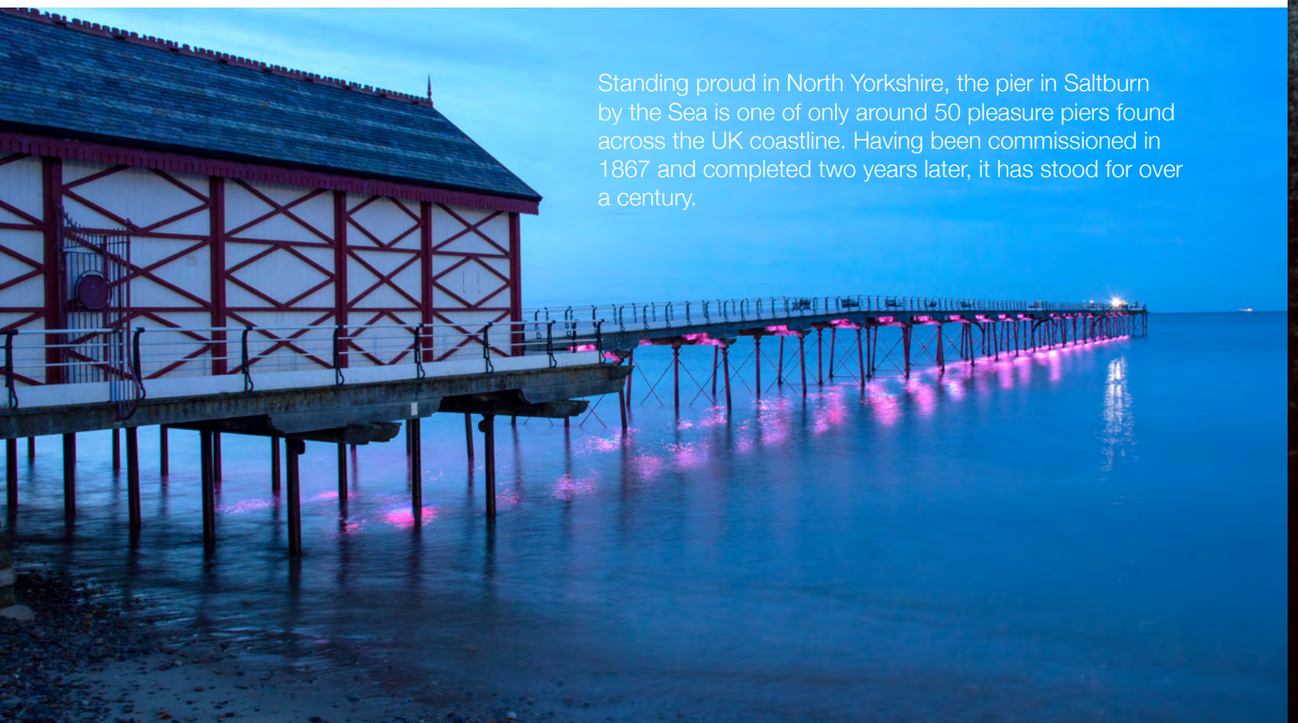
Light Source:
CREE LED's with red, green, blue and white dies.

Cable/Run Lengths:
100 Fittings per strand.
175m (574ft) maximum strand length.
75m (246ft) maximum length for leader cable to first fitting.

Listings:
CE

MaxiLED unique wiring example





Standing proud in North Yorkshire, the pier in Saltburn by the Sea is one of only around 50 pleasure piers found across the UK coastline. Having been commissioned in 1867 and completed two years later, it has stood for over a century.

A historic pier such as this requires regular maintenance work. One of the most recent projects for the pier was to upgrade its lighting technology, replacing defunct lighting on the underside of the pier. The lighting was damaged by a tidal surge in 2013 and had not been replaced since.

It was determined that an LED system would be preferable over more traditional light sources as not only would that ensure less maintenance with better longevity, it would also allow for a controllable RGBW system. MaxiLED DMX RGBW globes were specified for the project by LITE, the UK partner for MaxiLED, who were appointed by Redcar and Cleveland Council to deliver the project in association with PFI contractor Bouygues. The lighting installation needed to enhance the structure of the pier in a subtle and classic way, and the DMX RGBW globes were ideal to fulfil this.

Installed in two runs of 250 metre, at 0.5 metre spacings, the globes are positioned 6m above the pier and beautifully illuminate the structure, the sand and sea. The 500 luminaires all offer the flexibility to change colour and intensity, and can be controlled using the system specified by LITE.

The MaxiLED globes are programmed to be part of a set number of performances, combining a pattern of colours and movement. These can then be used on rotation for different days and holidays, such as Valentine's Day and Remembrance Sunday.
The most fitting performance can be chosen to align with the occasion.

The overall system which the MaxiLED globes form part of now deliver a power consumption of 1.2Kw compared to the previous equipment which ran at approximately 5Kw. This is a significant saving, ensuring the council can be confident in the pier's reduced energy consumption and lower running costs.

The project was completed in time to mark Saltburn Pier's 150th birthday year and has given a new lease of life to the structure which remains a much-loved community landmark.

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