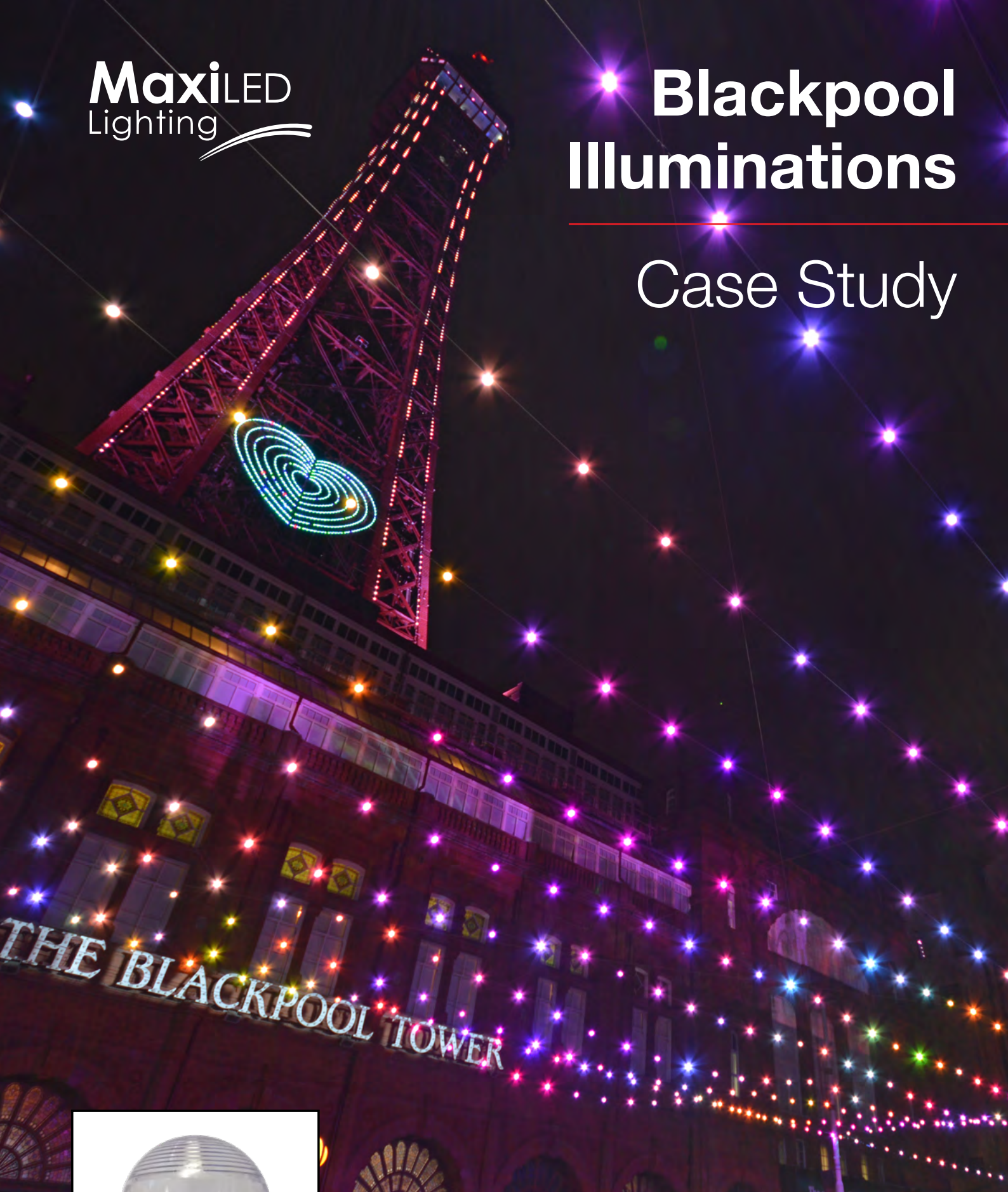


Blackpool Illuminations

Case Study



2 Core
Data over Power



DMX
RGBW



UK MANUFACTURED

Information

Client: Blackpool Borough Council - United Kingdom

Location: Blackpool - United Kingdom

Products Used: MaxiLED Large Globe RGBW DMX

Controller Used: ShowCAD

Technology



Data over Power distribution
to the fixtures



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:
2.35W per Globe at full RGBW on.



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

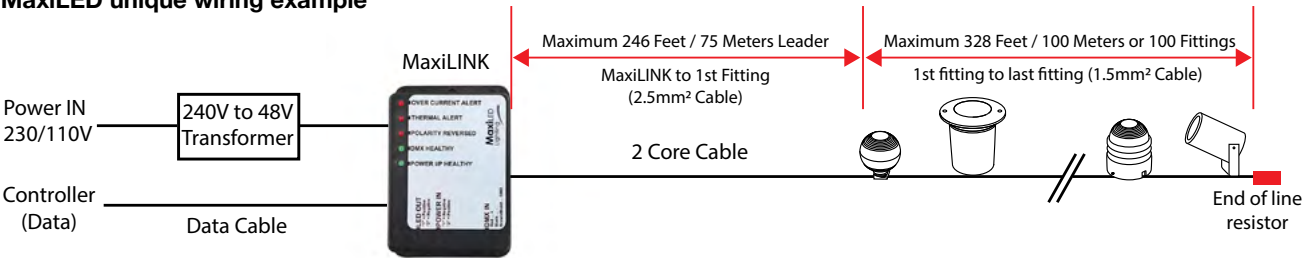


Cable/Run Lengths:
100 Globes per strand.
175m (574ft) maximum strand length.
75m (246ft) maximum length
for leader cable to first fitting.



Listings:
UL/cUL, CE, FCC, IK07 impact
protection, BS EN 60598, IEC 60598

MaxiLED unique wiring example



Background

Blackpool Illuminations sees this seaside city of fun still buzzing with excitement and laughter long after other resorts have gone into winter hibernation. At 10 kilometers long and using over one million lamps the Blackpool Illuminations are an awesome spectacle. The Blackpool Illuminations consist of almost every kind of light display you can imagine: lasers, neon, lamps, fibre optics, searchlights and floodlighting.



Design

The team at MaxiLED lighting was given the grand task of Illuminating the main section of the Blackpool Illuminations, below the world famous Blackpool Tower.

The brief from the client was to create a colour changing spectacular.

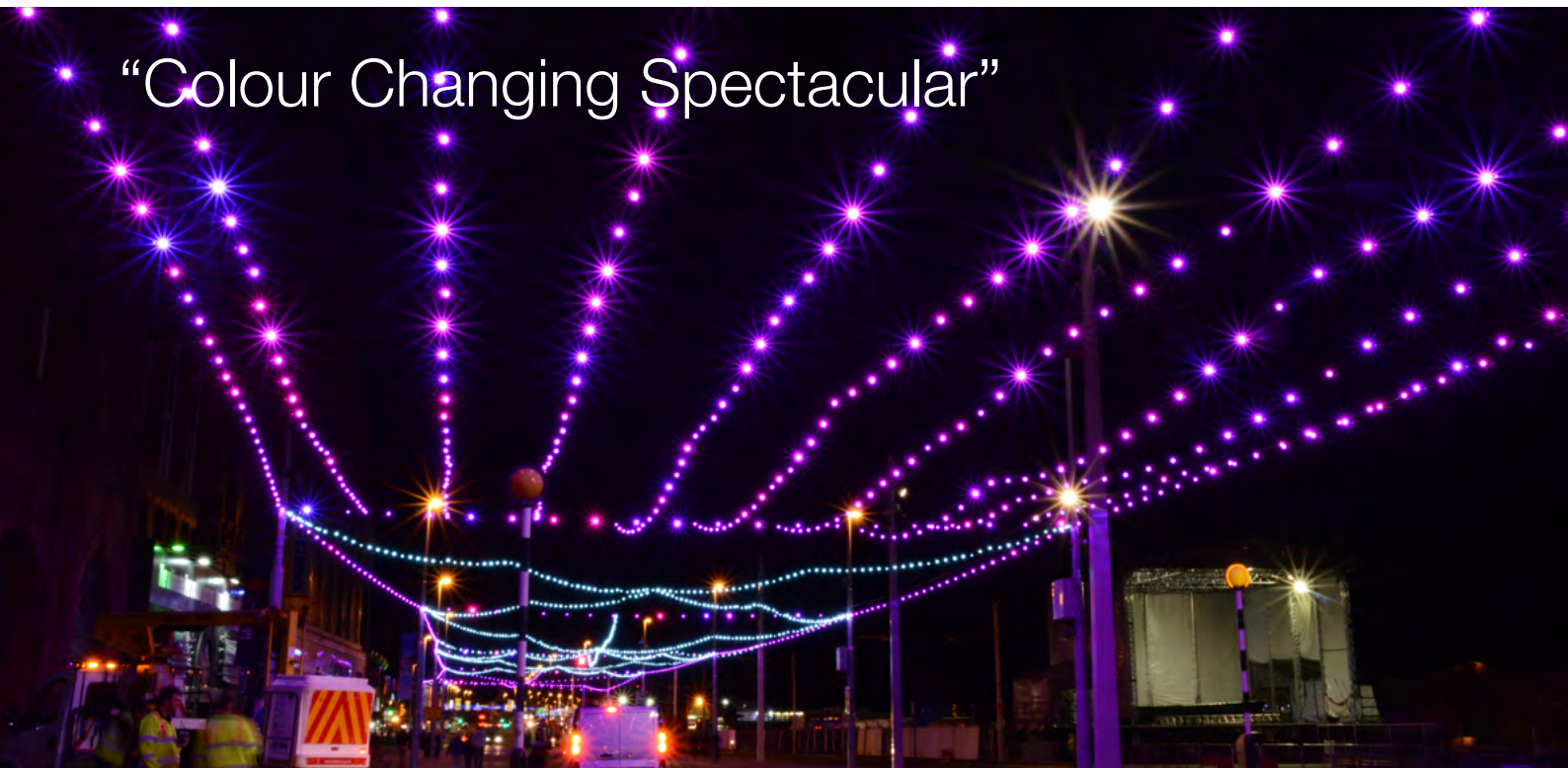
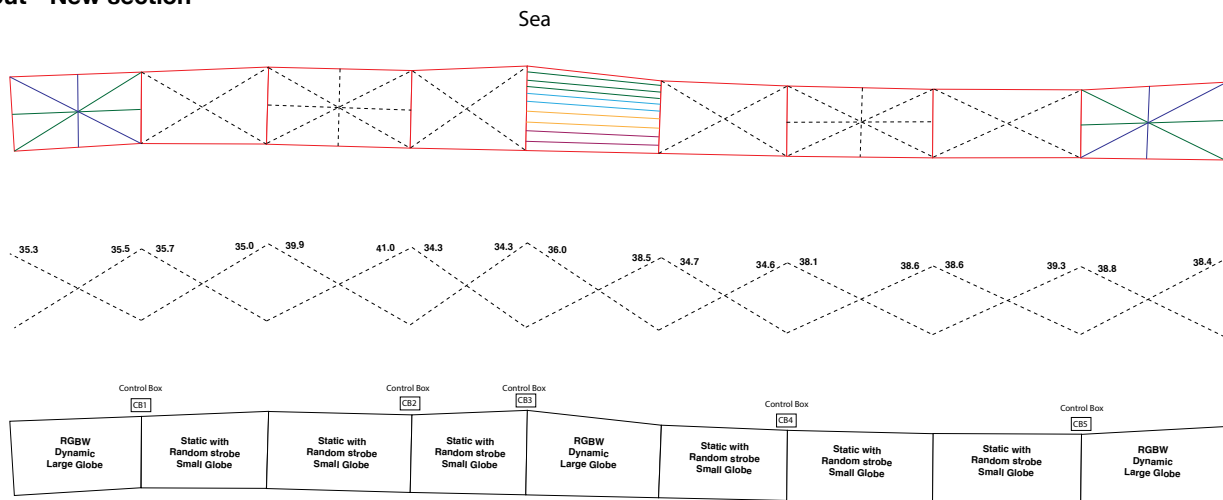
The design team proposed using the MaxiLED Lighting Large Globe Strand - RGBW DMX.

The product can be fully programmable, allowing the programmer to individually control any colour from RGBW spectrum on each and every individual lamp. One of the main focus being to tantalise visitors in cars and walkers along side the 300 meter stretch of waterfront using 3000 Individual LED Lamps.

The environment played a major factor in choosing MaxiLED Lighting Large Globe Strand as this is rated IP68.

With unique data over power, weight was kept to a minimum ONLY using a single cable.

Layout - New section



“Colour Changing Spectacular”

“In 2015 the new range of IP68 Maxiled Large globe from MaxiLED was procured based on an extensive market testing regime in both static and RGB addressable versions, and has proved its worth and for us is ‘a natural’ for seafront festoon lighting applications.

Working alongside the Illuminations department, MaxiLED lighting co-delivered the project from concept to completion, with the right product, on time and on budget and based on this experience I would have no hesitation in recommending them and their products.”

Richard A Ryan - Head of Illumination (Blackpool)



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