RIBA
Royal Institute of British Architects

MaxiLED Lighting

ECALAB and RIBA North Presents
CERÁMICA

RIBA North & ECALAB
Ceramica Exhibition
Case Study

MaxiLINK ENABLED

DATA Over POWER
2 Core
Data over Power

DMX
RGBW

UK MANUFACTURED

Information

Client: ECALAB/RIBA North

Location: Liverpool, RIBA North - United Kingdom

Products Used: MaxiLED Large Globe RGBW DMX

Controller Used: Pharos LPC1

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.

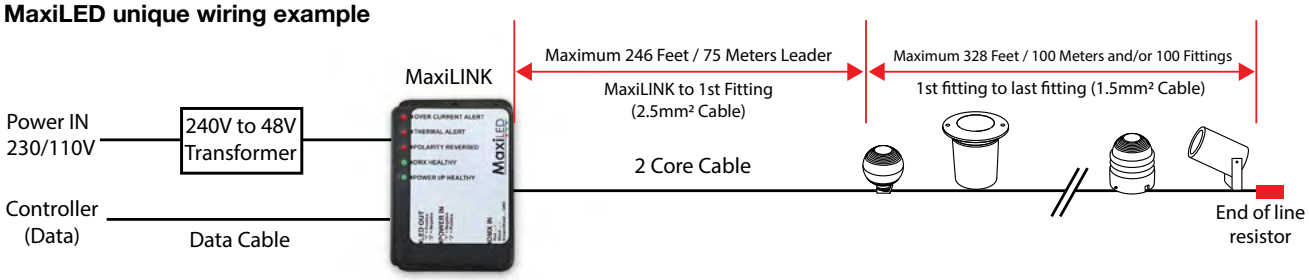
Watts:
2.4W per Globe at full RGBW on.

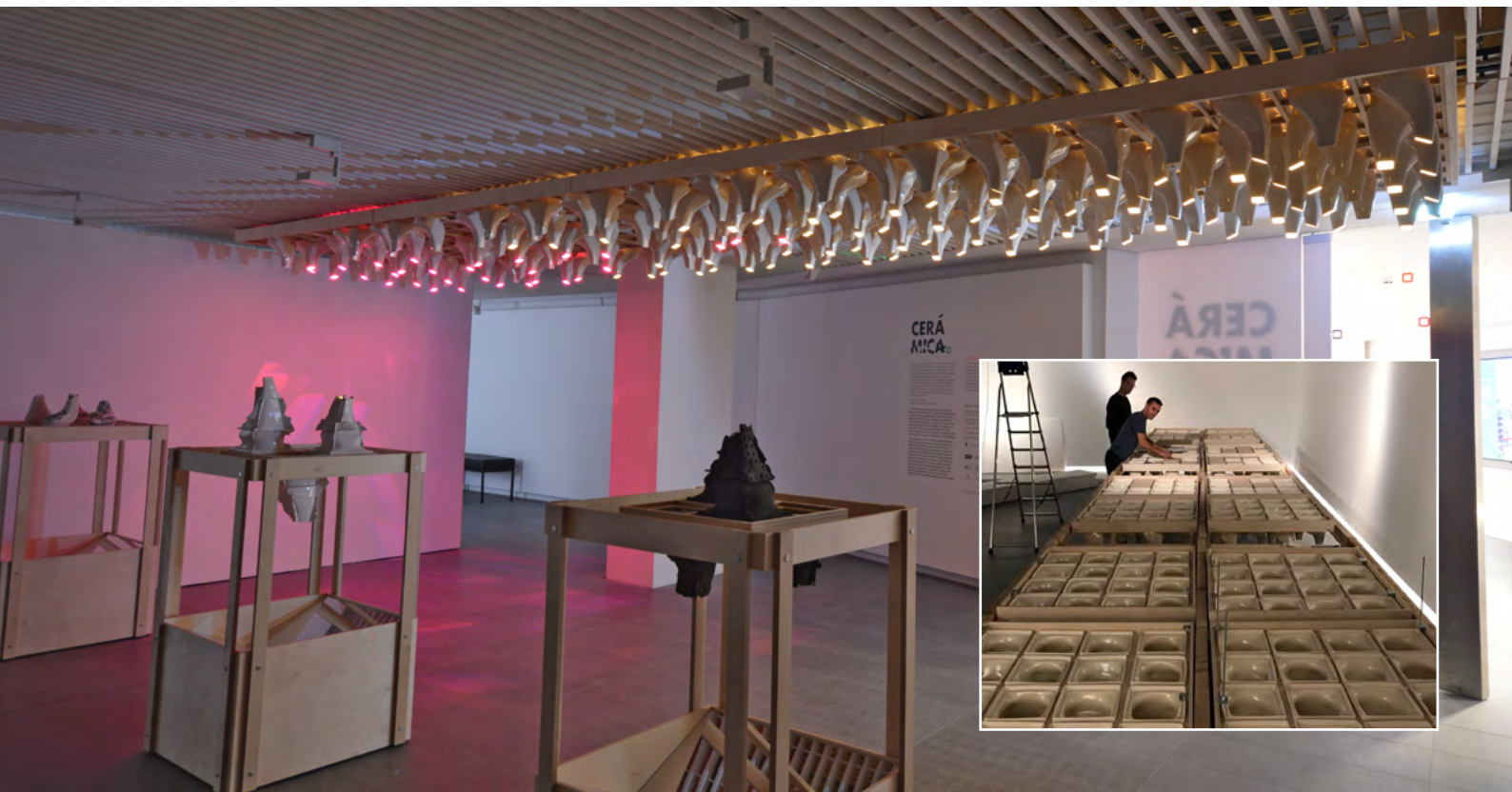
Light Source:
CREE LED's with red, green, blue and white dies.

Cable/Run Lengths:
100 Globes per strand.
175m (574ft) maximum strand length including 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

The Environmental Ceramics for Architecture Laboratory (ECAlab) have designed and developed numerous architectural daylighting technologies to be manufactured in ceramics. Working in collaboration with the RIBA North National Architecture Centre, ECAlab and RIBA North presented the Ceramica Exhibition in 2017-18. This exhibition reconsidered a ceramic daylight diffusing ceiling cone so that it could be used as an electrically lit entire ceiling or as a lighting chandelier.

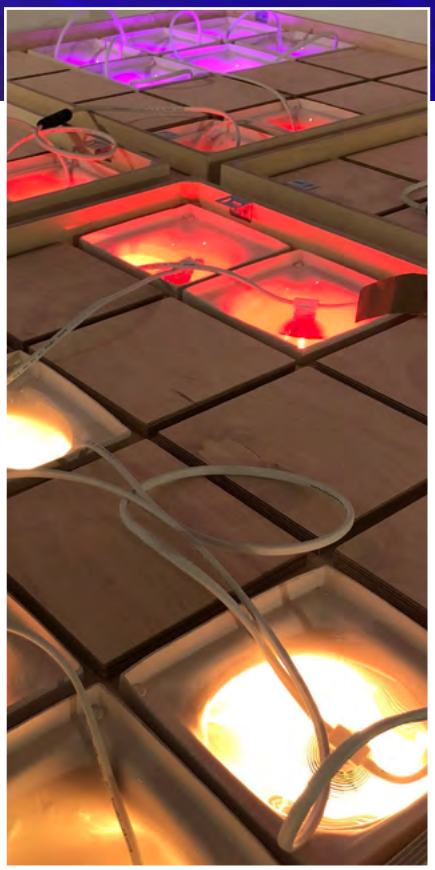
“The sales and engineering team at MaxiLED were flexible and generous with their time at the design stage and this ensured that manufacture and installation were efficient and problem free.”

Amanda Wanner RIBA. Director ECAlab

Design

We chose to use the MaxiLED Large globe DMX controllable series because of it flexibility, control and the wide range of potential scenes. The exhibition used two different lamps within the ceiling, one that used a fixed warm white lamp, and one that used a programmable coloured lamp. Being given the use of MaxiLED specially manufactured portable lighting kit allowed us to experiment with different lighting scenarios, before deciding on a series of colours. Again, working with MaxiLED engineers we were able to programme a lighting performance along the whole ceiling to have control over numerous different scenes which were then looped for a continuous performance throughout the day. The computer generated preview was particularly helpful to understand what the final programmed ceiling would look like prior to installation.

Ceiling loading restrictions within the gallery space meant that the weight of the lighting used was critical. The MaxiLED Large globe DMX Controllable lighting system proposed by MaxiLED was perfect for this installation because of the lightness and flexibility of the product.



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