



RIBA North & ECALAB Ceramica Exhibition Case Study



MaxiLINK
ENABLED



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



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:
2.4W per Globe at full RGBW on.



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

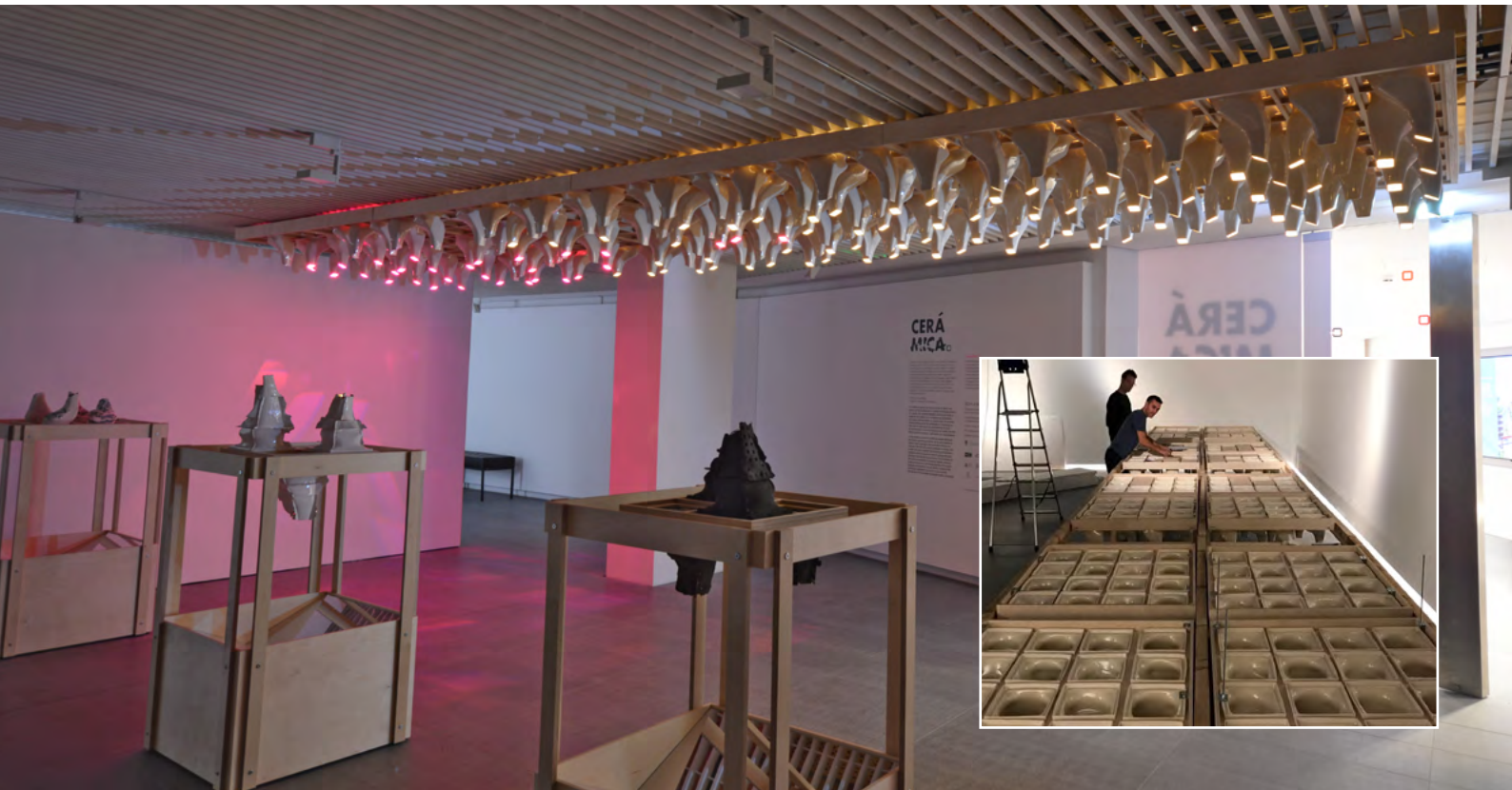
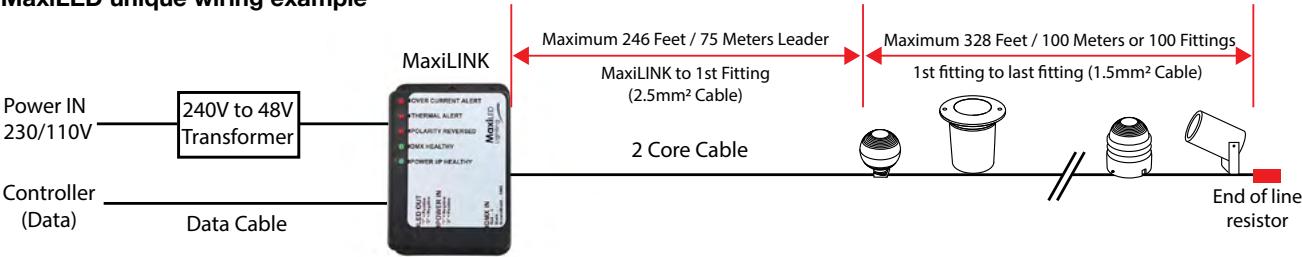


Cable/Run Lengths:
100 Globes per strand.
175m (574ft) maximum strand length
including 75m (246ft) maximum length
for leader cable to first fitting.



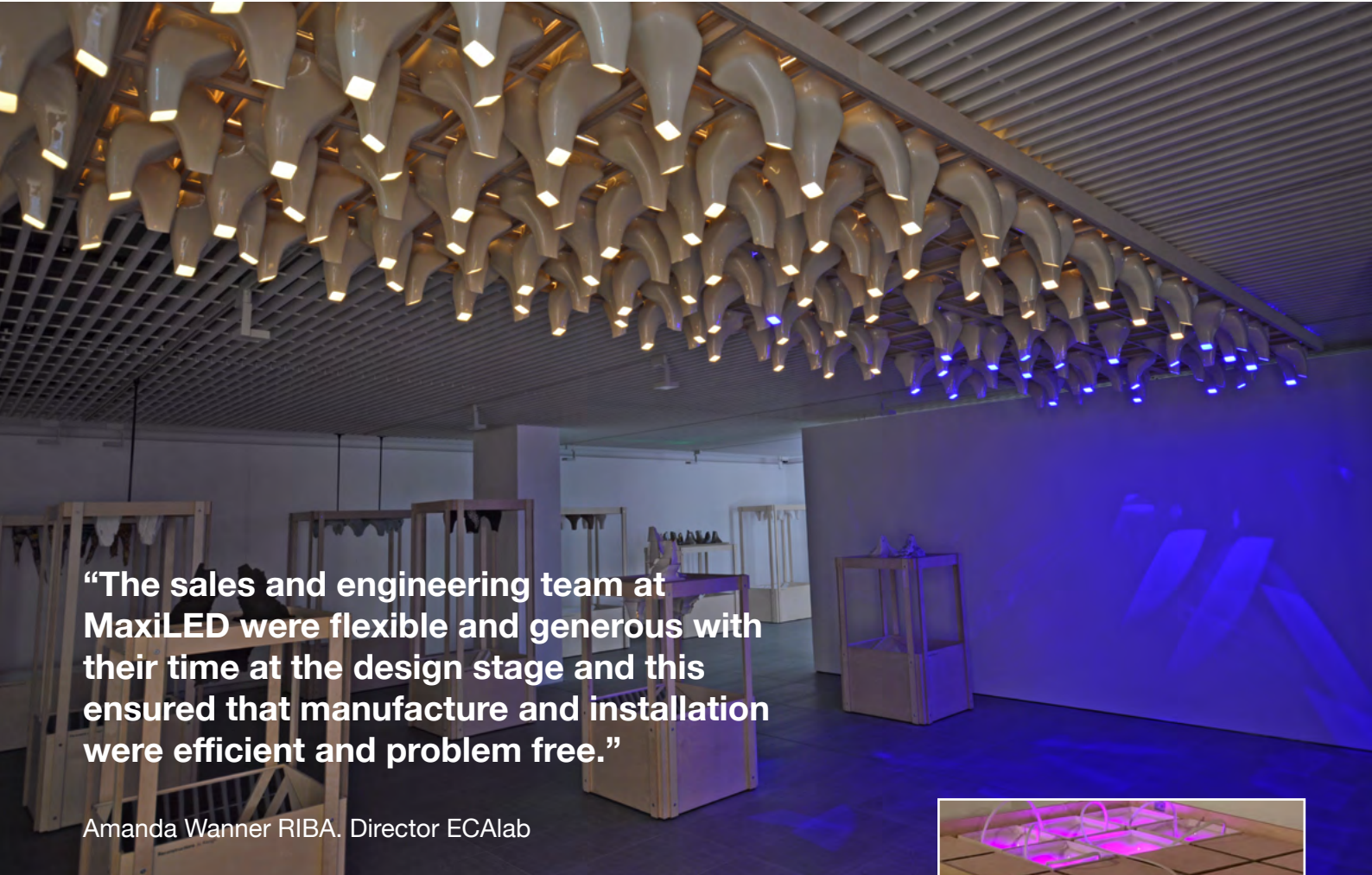
Listings:
UL/cUL, CE, FCC, IK07 impact
protection, BS EN 60598, IEC 60598

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 its 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.





Global Distributors

Australia:

Light Project Pty Ltd.
T: +61 3 8415 1970
E: info@lightproject.com.au
W: www.lightproject.com.au

Ireland:

Fantasy Lights
T: +353 1 460 1052
M: +353 87 927 3566
E: sales@fantasylights.com
W: www.fantasylightsgroup.ie

MENA/GCC Region
(Including Turkey & Turkic Republics)
LITE Ltd.
M +44 (0) 7598 995730
E: timothyplumb@lite-ltd.co.uk
E: ian@lite-ltd.co.uk

Netherlands:

Q CAT Lighting
T: +31 (0) 10 415 18 11
E: info@qcat.nl
W: www.qcat.nl

New Zealand:

Energy Light Ltd.
T: +64 3 977 2034
E: customerservice@energylight.net
W: www.energylight.net

North America:

VLT
T: +1 949 581 9398
E: info@vltcorp.com
W: www.vltcorp.com

Singapore:

Technolite
T: +65 6453 1978
E: enquiry@technolite.com.sg
W: www.technolite.global

South Africa:

SSLi - Solid State Lighting
M: +27(0)82 785 3890
E: ross_blakeway@ssli.com
W: www.ssli.co.za

Sweden:

Sweden Stockholm Lighting
T: +46 721 470 087
SMS: +46 709 909 110
E: oscar@stockholmighting.se

United Kingdom:

LITE Ltd.
D: +44 (0)1592 757 202
M +44 (0)7866 724625
E: ian@lite-ltd.co.uk
W: www.lite-ltd.co.uk



Unit 2, Farrington Place, Rossendale Road Ind. Est. Burnley, Lancashire. UK. BB11 5TY
T: 0845 8732 601 F: 0845 8732 602

E: sales@maxiledlighting.com Web: www.maxiledlighting.com