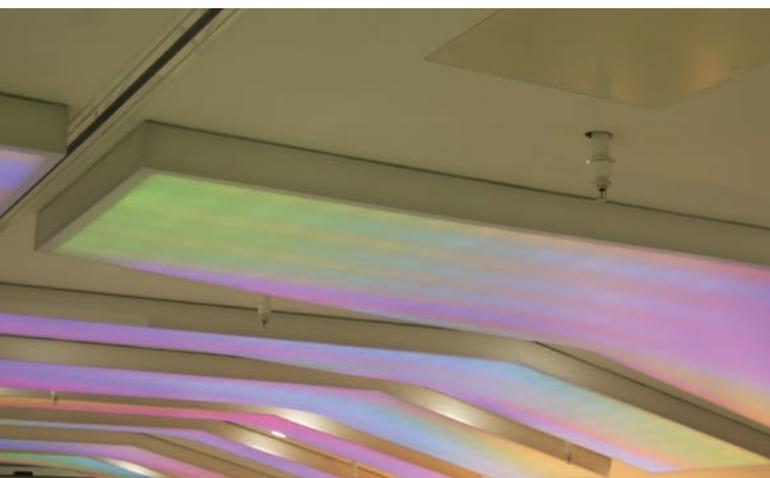


Great Ormond Street Hospital

London

Creating a calming environment



Project Brief

Great Ormond Street Hospital is committed to improving the appearance and visitor experience for patients and their families, with a focus on creating a brighter, friendlier and more relaxing environment throughout.

LTP Integration, having worked previously at GOSH as well as at Birmingham Children's Hospital, was approached by Philips as specialist energy-efficient LED lighting installers. Philips were appointed to the project by leading mechanical and electrical engineering contractors NG Bailey.



Client Overview

Great Ormond Street Hospital (GOSH) is one of the most iconic children's hospitals in the world, and the largest international centre of excellence in child healthcare outside of the US and Canada. Formerly known as the Hospital for Sick Children, it was founded in 1852 as the first institution in the UK to provide inpatient care solely to children, and has been dedicated to treating illnesses for over 160 years.

Based in the Bloomsbury area of London, the hospital is funded largely by the Great Ormond Street Hospital Charity, which aims to raise an incredible £50 million each year to support the institution and its continuing goals.

"This is a shining example of what LTP and Philips, as a lighting partnership, can achieve."

Keith Elms,
Business Manager,
LTP Integration & Products

Technical Solutions

GOSH required the lighting installation concept, designed by architect Llewelyn Davies Yeang, to be delivered in The Lagoon - the new restaurant and catering area, which is four times larger than its predecessor and serves the entire hospital community. The Lagoon, which is located on Level 2 (Ground Floor) of the new Morgan Stanley Clinical Building (MSCB), includes a Disney interactive play area, and has the capacity to seat up to 280 people. It is open seven days a week from 7.30am to 7.30pm and includes a Coffee Bar.

NG Bailey, as the main contractor responsible for the install and commission of all M&E services for the new Clinical Building, appointed LTP and Philips to deliver a colourful, energy-efficient lighting solution to The Lagoon ceiling, which encompassed the philosophies of GOSH's ongoing refurbishment works.

LTP was tasked with integrating 14,450 LED nodes into the ceiling area to produce an impressive and aesthetic display, which can be controlled to adjust the ambience and suit the needs of the space at any given time. The large number of individual nodes, split between a total of 289 iColor Flex MX high intensity translucent strands, were installed to provide striking colour change capabilities to 13 abstract curved ceiling features.

The specialist effect lighting is controlled by 19 multi-output Chromasic ZCX 100-240v DMX drivers. Meanwhile, the LEDs sit behind a Barrisol® translucent

membrane to offer a stunning back lighting effect, with the material nature of the stretched ceiling features ensuring that the colour output is bright and seamless across the entire space.

Outcome

LTP, alongside Philips, successfully specified and installed an energy-efficient lighting solution capable of high-output delivery of an array of colours, capably delivering a system with the ability to significantly enhance the ambience and appeal of this busy space.

The complete system aligns with the ideals of the end client in creating a bright architectural feature across the ceiling space, which offers a calming attraction to visitors of The Lagoon.

Feedback on the installation has been excellent with patients, their families and staff thoroughly impressed with this striking interior lighting scheme, which serves to further accentuate the friendly atmosphere apparent throughout the hospital.

Key Products

- 289 iColor Flex MX high-intensity strings of 50 full-colour LED nodes
- 19 multi output Chromasic ZCX 100-240v DMX drivers



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