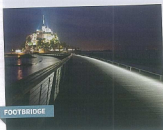


LIGHTING PROJECTS

10 world beaters



FOOTBRIDGE

MONT SAINT-MICHEL, NORMANDY, FRANCE The footbridge is lit with 430m of LED light bars from LEC. The company manufactured 250 of its 5620-Riven light bars for the project, which was designed by Dewis/Fehring Architects, and they are directed downward to light the footway only. The scheme is designed to not compete with the illumination of the monastery. The light bars are rated IP68 for submersible uses and the organic glass window should stand up to the worst of the weather.



PRINTING WORKS

LITOGRAFIA ROSES, BARCELONA, SPAIN Litografia, a family business founded in 1925, has replaced all its ageing T8 fluorescent tubes at its warehouse with high lumen 750 LED fixtures from Grupo NCL, achieving energy savings of 63 per cent. High Lite is a modular LED fixture for suspension or ceiling applications. The luminaire is available in four models and two beam angles, wide and narrow. The compact design allows space to pay for the installation from energy savings in two years.



CULTURAL CENTRE

CARNAL HALL, GENEVA, SWITZERLAND A hybrid structure resembling a flying saucer coated by a Made of light, resting on a green platform. It contains a 900-seat auditorium theatre, a living centre, design, art and mobility studios and a photography lab. Custom lighting company Lario32 created a series of strings for the project with magnetic support systems up to nine metres long. LED light sources and dynamic controls were used. The company designed, tested and installed the system in six weeks.



STADIUM

WEMBLEY STADIUM, LONDON, UK Wembley has replaced its iconic arch lighting with custom LED lighting that can create colour and moving light effects. The system consists of a dynamic floodlight with red, green, blue and white LED chips. Half of the LED chips are white and the remaining are equal quantities of red, green and blue. The white LEDs were tuned to match the 'white' achieved by the old metal halide system. Team designed a custom bracket to allow the existing beams to be used.

Lux Review's intrepid team of reporters bring you 10 of the most efficient and creative lighting schemes from around the world



OPTICIAN

MYKITA, BERLIN, GERMANY Eyewear manufacturer Mykita has opened a second outlet in its home city of Berlin. The primary design element of the shop interior is the 'Mykita Wall', a 3m-long backlit structure that serves as a presentation and display area for the brand's eyewear. Euro LED spotlights direct customers' attention to the product displays, the sales counter and the metal trilliers that store the glasses. Diffuse light on the support walls gives the impression of unusual depth in the space.



CASINO

CASINO, GRAN VIA, MADRID, SPAIN The casino has been replaced with energy-saving lighting comprising a central lighting control system, LED modules and converters from Nilidac. Motors first pass through a 'gateway of light' created by Televesgine Stark. Of LED modules LG Telecom convertors control the LED cooling lighting in the public areas. Floor space in the building is leased to restaurant operators, and the control system makes it possible to bill each tenant for the precise amount of energy they use.



SHOPPING MALL

LVENUE SHOPPING MALL, SHANGHAI, CHINA has many compound curves in its tower and retail podium, which are decorated with several thousand overlapping metal fins. The facade lighting is built into the structure, and designer Illumination Physics proposed a string of pixels — LED nodes on a string of cable with an RGB driver at the head. The light fixtures were self-contained components that fitted into the metal fins. L'varue is equipped with an Illumination Physics control system.



MEDIA BUILDING

DIGITAL MEDIA CITY, SEOUL, KOREA Korea TV broadcaster MBC has moved into the Digital Media City in Seoul. GLP Impression Spot Dots suspended from the awnings in locally-sourced domes light the building. The scheme is part of a larger creative project by local stage lighting specialists AES. The spots' RGB LED light engines allow 16 or 16-bit control over each colour, and projections are created with variable speed gobos wheels. The lights are controlled and focused wirelessly from the lighting console.



RAILWAY STATION

CENTRAL RAILWAY STATION, GRAZ, AUSTRIA The main railway station at Graz in Europe is to be fit entirely with LEDs. The station's curved roof posed a particular challenge for lighting designer Posobod, which worked with Philips to create a 'smart necklace' of light. About 1,000 lights were equipped with LEDQina modules. The efficiency of the lighting was important to station operator ÖBB, and the new lighting cuts energy use by 40 per cent and prevents the emission of 50 tonnes of CO₂ every year.