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THE INTERNATIONAL MAGAZINE FOR ARCHITECTURAL RETAIL AND COMMERCIAL LIGHTING #55 2010

GRAND DESIGNS

SPEIRS AND MAJOR ASSOCIATES
WIN IALD RADIANCE AWARD
... AGAIN



IES PRESIDENT FRED OBERKIRCHER INTERVIEWED
32 PAGES OF LIGHT+BUILDING ANALYSIS • CONCORD'S STADIUM REVIEWED

AN AMERICAN IN FRANKFURT

What does a U.S. visitor to Light + Building think of Europe's premier lighting show? David Ghatan of C.M. Kling & Associates talks big impressions



After a six year gap, I decided to spend four days at this year's Light+Building show. My overall impression was mixed, I was excited by the new products and trends, apprehensive toward some of the claims being put forth, and bothered by the apparent head-first movement to a single technology. Saying it was impossible not to have been engulfed by LED developments would be an understatement. Positively we have begun the trend of LED intelligence - intelligent fixture designs. To date most products were about how many diodes you could fit in a housing so that it could produce more light than its neighbour. Newer products shown

began to incorporate the inherent properties of these sources and develop new lighting products around them.

I am concerned that in the wake of the LED evolution progress and development in other sources and fixtures for those sources is disappearing. I did not see a single product at the Philips hall that was not LED. Improvements to HID and fluorescent were few and far between.

The other trend that excited me was fixtures built to integrate with the architectural environment. A small company, Brick in the Wall, made a big impression. Their plaster kits take trimless to a whole

new level. Integrated plaster 'bulges' in the wall have step lights built behind them, or uplights. Schmitz Lighting introduced a new line of fixtures that use a similar plaster kit as well.

Kreon took an innovative approach to integrated LED. They developed a kit for miniature aperture LED lighting fixtures. A series of 1-1.5cm holes are drilled in a traditional ceiling tile, diodes with optical lenses and most impressively, good cut-off are placed 5cm or so off centre in the tile. You can install these in various patterns to create the lighting pattern desired.

A product that has no traction in North

Piantana 16.64 Viabizzuno

The Piantana 16.64, designed by Vittorio Longheu, is an IP20 rated floor-standing lamp for interior use in white painted extruded aluminium. It is wired for a 2x80W 2G1, it provides direct light for work and indirect /diffuse light for the room. Technological studies into anti glare technology means Viabizzuno can guarantee excellent optical comfort. www.viabizzuno.com



Aplis Kreon

With a vertical drop of 50mm and an inclination of 30°, the Apls can aim both at vertical and horizontal surfaces. It can be manually rotated up to 360° and tilted by 30° without compromising the recessed position of the lamp or the glare control. Apls reflectors were developed in partnership with Bartenbach Lichtlabor and are highly efficient with optimised glare control and balanced beam angles. Spot, flood or wallwasher reflectors are available to suit a great variety of applications.

www.kreon.com



Mask Brick in the Wall

The Mask is a seamless wallwasher made out of Calcyt. The Mask lives up to its name with the light source fixed at a 50-degree angle and completely hidden, providing for optimal visual comfort. The Mask is an extension of the Touch-It range that is characterised by gentle and smooth curves radiating softly out of the architecture. Ceilings become sculptures. The Mask 50 and 111 offer a full range of light sources such as ES50, MR16, CDMR, AR111 and the HIPAR. www.brickinthewall.eu



America, but which makes an interesting case for office lighting, are the torchiere style office fixtures common in Europe. They have been around for a while, so this was not the first time I saw them but the evolutions with new technologies helped them stand out. Zumtobel's Opura is a 2" thick, 18" wide by 24-30" deep fixture that can be installed as a freestanding floor lamp or integrated into the furniture systems. The worker can adjust it in rotation and intensity. The lighting pattern provides a general uplight for ambient lighting and direct lighting on the desk in a broader, more adjustable pattern than a simple office task light, allowing the fixture's light to cover more area on the desk.

As a North American designer, I feel Light+Building operates in a different world from Lightfair. Light+Building is a trade show, yes, but it is also set up to develop direct personal relationships with manufacturers. A designer is encouraged to get to know the engineers, the regional sales managers, etc from a company and discuss needs, wants, and projects. It is less about what product they have to introduce. They did introduce product, a lot of product. It was not simply a components show. The simple difference of schedule makes a huge impact. The trade show floor is open until 6pm but many manufacturers are encouraged to host parties in their booths



after hours. Shifting the focus from a trade show toward a networking event makes Light+Building a true coming together of the lighting industry. The week long event strengthens the global lighting community by providing a time and place for personal interaction.

IALD hosted a happy hour sponsored by Schmitz Lighting on the Tuesday of the show. There was a very strong turnout, with over 100 people present. For me, this was a wonderful event. It provided a great opportunity for colleagues to share a drink and catch up. There were conversations about what everyone had seen at the show, where

one believed things were headed, how to better the industry, and on myriad other topics. It was truly a great opportunity to touch base.

As is common with many international shows, but has not become a mainstay of shows in North America, Light+Building had a congruous series of installations open to the public. Luminale installations took over many of the public squares, parks, office buildings and other locations in Frankfurt. Everything from very simple to extremely complex; human interactive to expressionistic works were available for public viewing. I was particularly fascinated with an LED installation called 'Pulse of the City' by Lumisense. A three dimensional matrix of colour changing LED points created a hedge in the middle of the pedestrian walk. A series of dynamic three dimensional shows were presented. It truly opened my eyes toward the potential of this source. Colour changing LED is common place but this was simply mesmerising.

Another piece in the Opera Square, InterAktives Licht für Kameha Suite, used colour changing fixtures on a building façade. An image of the façade was developed into a website with public access. Everyone was encouraged to log on to the URL and paint their own vision of the façade. The system would change colour every two to three minutes and take a photograph of the individual's 'masterpiece' that was emailed to them.

It continues to strike me how generous Frankfurt is with allowing these installations and how wonderful it is that the non-lighting public visit and enjoy them as much as those involved in the lighting industry. I wonder how someone gets invited to develop one?

www.cmkling.com

Gypsum TZ range Schmitz Lighting

All channels and modules are made of gypsum and exactly match the lighting systems. Soft recesses in ceilings and walls, along with rounded channel contours, provide a pleasant architectural appeal.

This complete solution allows projects to be illuminated as needed, variably and with high efficiency at the same time. The design of the system makes the installation easy, while saving valuable time and noticeably reducing costs.

www.schmitz-leuchten.de



DESIGN PLUS

'Powered by Light + Building', the Design Plus Awards highlighted some of the show's stand-out products

Quintessence ERCO

With more than 1,200 individual article numbers, the Quintessence system literally represents the quintessence of ERCO's 40+ years of experience in this field. The new recessed luminaires have been consistently designed for efficient visual comfort. This principle is underlined by the focus of the product range on wallwashers for vertical illuminance and on luminaires with LEDs. Consisting of roughly 350 products, this light source is now on an equal footing to conventional lamps.

www.erco.com



Hei Solar Light Hei Consulting

The Hei Solar Light system's innovative, aesthetic design comprises patented, highly efficient module technology to harvest solar energy and use it to power multi-point LED lights. A family of street lighting - including the Mira S, Mira 190, Mira 380 and Champ - provide a range of light distributions to suit any given application. An optional power charger for electric cars adds to Hei Solar Light's green credentials.

www.hei.at

Speedstar LEDGINE Philips

To accelerate access to the benefits of LED lighting evolution, Philips has developed LEDGINE, a unique upgradeable platform for outdoor luminaires to maintain pace with progressive improvements in LED modules and drivers.

LEDGINE is easily serviceable, enabling municipalities to upgrade luminaires onsite, even switching older lighting technologies to LED with ease. LEDGINE is also compatible with standalone and centrally-controlled lighting regulation systems, providing further ease of application. The range includes SpeedStar LEDGINE, a carbon-neutral luminaire ideally configured for road light applications.

www.lighting.philips.com



BEST OF DESIGN PLUS

SLY Komar Design

Entered under the name SLICE, but since redubbed SLY, Komar Design's entry was one of two products given a special mention. An ultra-flat lighting module with a total weight of only 100g represents the core element of the comprehensive and sophisticated lighting system for living, office and shoplighting. This module was specifically designed for the intrinsic features of LED, and serves as a highly efficient, exchangeable lighting head with a variety of attachment options: fully rotating on rods of different lengths, as a pendant luminaire on filigree wires



or simply mounted to walls or ceilings. The luminaires are manufactured with the latest CNC technology enabling the extraordinary flexible sales approach of customised production for consumers as well as for lighting projects.

www.komardesign.de

Atmos Brick in the Wall

The Atmos is a seamless wall luminaire, made out of Calcyt - a heat resistant high density plaster developed by Brick in the Wall. It can be installed as a wall-washer with the light beam at the top or the bottom. Soft, undulating wave shapes exiting and entering the wall give the architect unlimited freedom. The Atmos will include special designed printed circuit board for the new generation of the 'Rebel' LEDs with integrated driver, to obtain a maximum light output with an optimal heat release.

www.brickinthewall.eu





Disc-O XAL

The seamlessly welded, round aluminium housing of XAL's Disc-O (shown at Light + Building under the name Vela Round Mirage) is available in surface with white, grey or black powder coating. A micro-prism diffuser creates a dynamic 3D effect. The luminaire uses energy efficient e2 LEDs (1.1W), and it comes in 1-10V or DALI dimmable options. It is available in 3000K and 4000K.

www.xal.com



Sentiero di Vals Viabizzuno

One of two Viabizzuno products to win a Light + Building award, the Sentiero di Vals is an outdoor IP65 light designed by Peter Zumthor. Its steel body curves into a conical shaped head that can accommodate 35/70W G8.5 metal halide kits. Inspired by the natural world and by the order and rigour that reign over nature, the street light is respectful of the environment that surrounds it.

www.viabizzuno.com

Universo LED Album

Album introduced the Universo LED, a system of outer space-inspired LED lighting. A number of the fixtures can be powered and controlled from an LED feeder mounted on the room's main lighting point. Plait-like cables spread out to each fixture. Feeders are available in various shapes and powers. The lighting bodies are powered by just 24V.

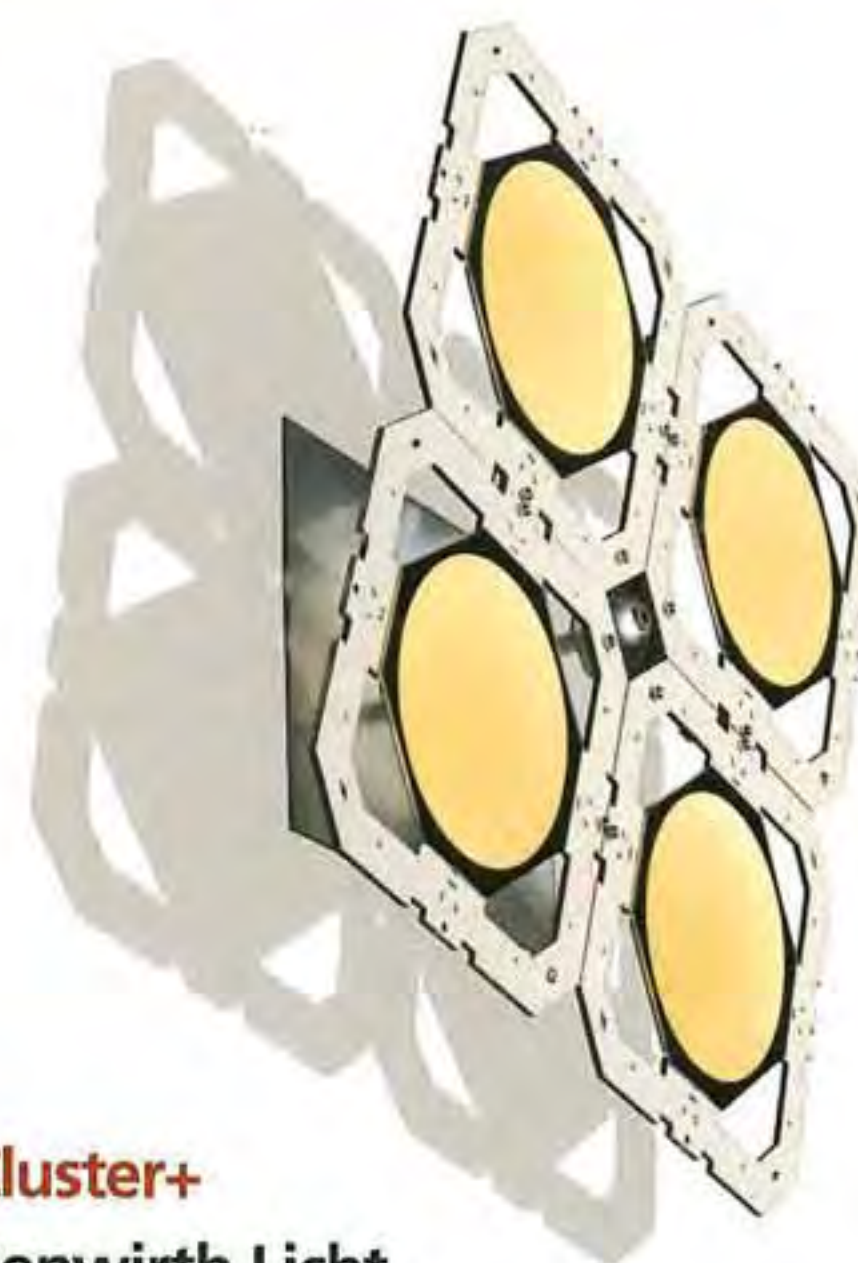


Fivep / Cariboni Group Flyer Led

Flyer Led is an innovative solution for street lighting in residential areas. The unit has a modern design and extremely low weight, a feature that makes it particularly suitable for installation in strings. Flyer Led's thermal management grants excellent heat dissipation ensuring LED efficiency.

The number of LEDs varies from 25 up to 55 and each LED can be fitted with one of three different optics.

www.fivep.it



Cluster+ Benwirth Licht

Cluster+ is a modular system that can be assembled in a variety of permutations. Fixtures are made up of three to four main components: the supporting material (conductor boards), connectors, and the OLED module and/or LED module. With Cluster+, the two seminal illuminants' respective advantages come to the fore and are ideally united in a single system. The idea is to enable the customer to design his lamp individually, and according to his own requirements.

www.benwirth.de



optoLUME Pendant Optoled Lighting

At first glance, the optoLUME Pendant looks like an elongated version of a classic linear luminaire. With a cross section of 20 x 20mm and a length of two metres, it delivers a luminous flux of more than 6,000 lumens, generated by closely spaced SMD chips, making it comparable to conventional fluorescent lighting. Particular emphasis has been put on the quality of light and visual comfort for the user. Three colour temperatures ranging from warm white (2700K) to neutral white (3500K) or up to 5000K white are available.

www.optoled.de