



WELCOME

In our first newsletter of 2014, we've featured James Morse Lighting Design's beautiful lighting refurbishment of the Hammersmith Apollo where LED Light Sheet was used to illuminate bar tops around the legendary venue. The Apollo joins a growing list of entertainment and leisure venues to use LED Light Sheet in hospitality areas where its IP67 rating ensures it is suitable for wet bar areas.

Applelec will be demonstrating the latest developments for LED Light Sheet at this year's May Design Series where a new product range is set for official UK launch. Read more about our new range of aluminium profiles, Aura Linear, over the page and look out for them and the team on stand J71 at the show.

Accommodating the new range has seen Applelec expand facilities at its West Yorkshire headquarters with the purchase of new warehouse space. Providing ample storage capacity to carry a high stock volume of the new Aura Linear profiles, the warehouse features a 4000 square foot floor space.

The Applelec Lighting Team



LED profiles from Applelec



LED LIGHT SHEET

A product from Applelec



AURA LINEAR

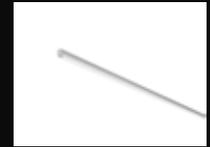
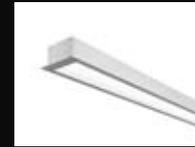
Applelec set to launch new LED profile series at the May Design Series

Aura Linear by Applelec is a new range of high quality aluminium profiles that have been designed for linear LED lighting installations. The range will be officially launched at the May Design Series 2014 within the lighting district of the show.



Providing options for surface, recessed, suspended and decorative LED strip mounting solutions, Aura Linear profiles are simple to use and elegantly constructed. With Applelec's made-to-measure service, the profiles will be available in specified lengths to a maximum of 2500mm and supplied with a choice of colour temperature or RGB LEDs. Significantly, the profiles will also be available without pre-supplied LEDs, making them suitable for use with a preferred LED option.

The new profile series is a first for Applelec as the company expands its range of products that have been created for lighting professionals and the wider design community. Indeed, the Aura Linear profiles compliment LED Light Sheet as the two products can be used in harmony with one another. Identical LEDs to those embedded within LED Light Sheet can be used within a number of the Aura Linear profiles to create uniformity across lighting schemes.



For more information on the Aura Linear profile collection, please visit the new product website www.aurallinear.co.uk or see them in person at the May Design Series.

MAY 
DESIGN
SERIES

See the new range on Stand J71
London ExCel 18-20 May 2014



HAMMERSMITH APOLLO

Bar tops at the Eventim Apollo, Hammersmith now lit with LED Light Sheet

In a scheme by James Morse Lighting Design, Applelec's LED Light Sheet has been used to light bar tops in the recent refurbishment of the Eventim Apollo in Hammersmith, London.

Since first opening its doors in 1932, the Hammersmith Apollo has staged shows from musical legends including Ella Fitzgerald, The Rolling Stones, Bob Marley and Bruce Springsteen. A venue with an illustrious musical heritage, the Apollo was the venue David Bowie laid alter-ego Ziggy Stardust to rest in 1973.

Following a multi-million pound investment and a huge visual transformation by Foster Wilson Architects, the refurbished venue is now called the Eventim Apollo.

In planning for the refurbishment, there was a requirement from English Heritage to ensure the building's listed interior was not damaged and that the Art Deco nature

of the front of house spaces be retained. The vision was to work within the fabric of the original 1932 Robert Cromie-designed venue and wherever possible to restore the historical fixtures. As part of this process all existing and original Art Deco luminaires were restored whilst the original 1932 chandeliers were refurbished.

LED Light Sheet was selected for the bar tops of all six front of house bar areas, where it illuminates white frosted glass. The panels were created in sections to allow them to be fitted into the shaped bar top areas and create a homogenously lit surface. Each unit was created with an IP67 rating to protect the units from moisture ingress.

Carole Waite, Applelec business development manager said: "The slim profile of LED Light Sheet ensured it was subtly integrated within furniture fixtures to provide delicate illumination that would not

interfere with the period light detailing and Arc Deco features. As a made-to-measure light source, the product could be slotted into the venue's bar tops with ease to light the surface glass."

Work on the Eventim Apollo has been phased to minimise the period the venue is dark with the first stage of refurbishment including the front of house areas, the hallways, staircases and bars, as well as the building's façade now complete.

SPECIFICATION NOTES

6500K LED Light Sheet
IP67 rated for bar areas
Made-to-measure shapes
Evenly lit frosted glass

APPLELEC LAUNCH VARIOMOUNT FOR LED LIGHT SHEET WALL DISPLAY SYSTEMS

Variomount is a new and versatile wall panel mounting system that has been designed for use with LED Light Sheet.

Created for interior architects and designers, Variomount is an elegant solution to bring light to interior walls and fixtures. The flexible system is ideal for installing illuminated kitchen splash backs, vanity units or simply decorative wall schemes.

Variomount combines illuminated LED Light Sheet panels with sleek aluminium profiles to build modular wall features by mounting single or multiple rows of lit panels. In multi-row installations, central mounting profiles may be fitted with glass shelves to create illuminated shelving systems.



As a straightforward mounting solution for LED Light Sheet, Variomount has been designed with ease of installation at its core. Each Variomount profile features a 13mm recess enabling panels of LED Light Sheet, glass and other surface materials at this maximum thickness to be mounted using the system. In addition, the system is assembled with no visible fixings to create seamless wall installations.

For wet environments, such as kitchens and bathrooms, the LED Light Sheet panel is created to an IP67 rating to ensure no moisture can penetrate the light source.

LED Light Sheet mounted with Variomount can be dimmed or, when used to display colour-changing LED Light Sheet, it can be programmed by Applelec's electrical team to run colour sequences.



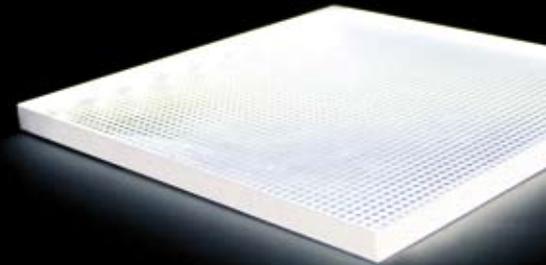
Highly versatile, Variomount by Applelec will be displayed on stand J71 at the May Design Series 2014.



LED LUMEN MAINTENANCE LM80 & TM-21 REPORT

LEDs used within LED Light Sheet have passed LM-80 testing - the approved method for measuring lumen maintenance of LED light sources. The test measures LED performance at three separate temperatures (55°C, 85°C and 96°C) over 6000 hours relating to indicative in situ conditions of the LED.

The LM-80 test was created by the Illuminating Engineering Society (IES) to create a standard procedure to measure the lumen maintenance of LED packages and modules. Lumen maintenance refers to the number of hours a light source remains 'useful' before its output diminishes to less than 70%. The LM-80 standard was



created to ensure manufacturers test lumen maintenance consistently and requires a minimum of 6000 hours testing at various temperatures. Whilst LM-80 is a tool which lighting designers can use to help analyse LED products, it does not provide any calculations beyond the data contained within the test.

Such calculations are made with the TM-21 report which is the standardised way to use LM-80 data to make consistent lifetime projections beyond the 6000 hour test period. The TM-21 report on LEDs used within LED Light Sheet has been validated by NISA (National Institute of Standards & Technology, United States).

LED Light Sheet: construction notes at a glance

LED colour temperatures:

2700K, 3000K, 3700K, 4100K, 5300K,
6500K

Colour-changing LEDs:

RGB with pre-programmable options

Sheet thickness with white LEDs:

6mm or 8mm (4mm by request)

Sheet thickness with RGB LEDs:

10mm

Ingress protection:

IP54 or IP67

Maximum dimensions:

1500mm x 3000mm

Grid etching dimensions:

1.4mm, 2.8mm, 5.6mm, bespoke

Forward current:

12V DC

Controllable/Dimmable:

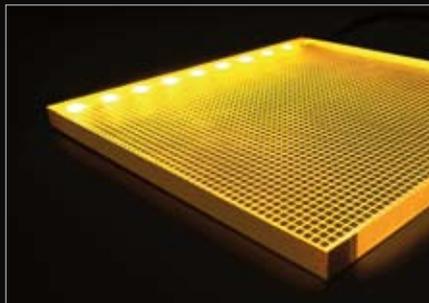
0-10V, Dali, DMX, Lutron

90 CRI LEDs:

In 3100K, 4100K, 5200K

2700K LED Light Sheet

New colour temperature option extends the range



Following demand from lighting designers, interior designers and architects, LED Light Sheet is now available in a 2700K colour temperature. With a range of colour temperatures already available, the 2700K LED option creates our warmest white panel and provides further flexibility for the bespoke construction of LED Light Sheet.

BE INSPIRED WITH OUR PRODUCT WEBSITES

www.ledlightsheet.co.uk

www.auralinear.co.uk

Please contact our technical advisors to
discuss your project requirements

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