

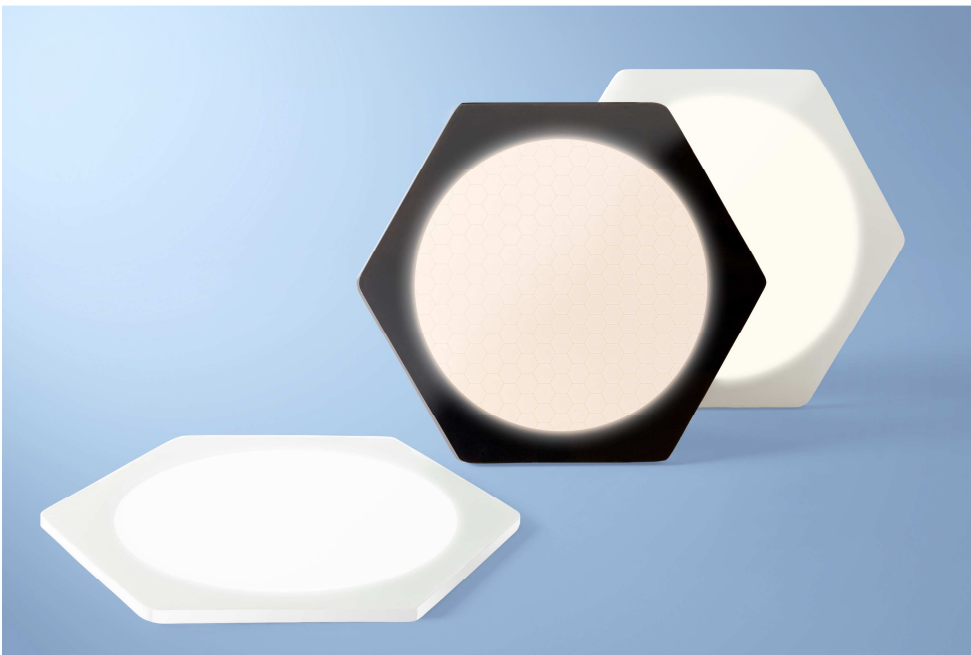
Press Release

Dresden, 21st of October 2010

LEDON OLED Lighting presents optimized OLED lighting modules on the Plastics Electronics 2010 in Dresden

Plastics Electronics 2010, Dresden, 19.-21th of October 2010 – OES Booth (Hall 2)

- Demonstration of optimized OLED module system LUCEOS for the easy integration of OLED lighting elements



Dresden/Germany – On the Plastic Electronics 2010 LEDON OLED Lighting will present the optimized OLED lighting modules for the luminaire integration.

The Organic Light Emitting Diode (OLED) technology is the first real area light source technology in history. The presented prototypes combine high performance OLEDs in a compact and usable contact- and housing module system.

The LUCEOS OLED modules combine best lighting area aspect ratio with a slim form factor and excellent optical properties to achieve the best results for large area effect lightings.

The LUCEOS module series offers a hexagonal module system, which are especially useful in effect lighting systems. The extreme thin lighting modules (< 4mm) offer high quality lighting in combination with an integrated driving electronic for large area effect lighting installations.

For the first time the LUCEOS module series offers two dimming options, a pulse-width modulation and a complete DMX512 dimming. The innovative setup of a DMX512 control offers the easy and flexible integration for large area installations.

The OLED module systems will be available as engineering samples and evaluation kit in November. The volume delivery is planned for beginning of 2011.

On the fair also luminaire concepts based on the module systems will be presented.

The OLED module systems will be presented on the **OES Booth, Hall 2**.

About OLEDs

An organic light-emitting diode (OLED) comprises a system of thin organic layers (approx. 200-400 nanometres thick), located between two electrode layers (anode and cathode). Printed onto a glass substrate, this wide-area light source is less than 2 millimetres thick. When a voltage is applied, light is generated within the system of layers and emerges through one of the electrode layers. In contrast to conventional light sources, OLEDs give off wide-area light with high-quality colour rendering, which is very pleasant for the human eye. Another advantage is that there is no glare to the light emitted by OLEDs. As a result, OLEDs need no reflectors to reduce glare, which puts them among the most efficient light sources of all.

About LEDON OLED Lighting

LEDON OLED Lighting was founded in 2009 as a Joint Venture of the Zumtobel Group and the Fraunhofer Society and is located in Dresden, Germany, the heart of the German organic electronic industry.

The core competence of LEDON OLED lighting covers the whole range of OLED technology and the integration into signage and lighting systems including OLED driving. LEDON OLED Lighting core business is the OLED module development and fabrication as OEM partner for luminaire designer, signage and luminaire production companies for the realization of the next generation lighting technology.

Contact

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