

Regensburg, 11 March 2010

Unlimited creative freedom with efficient OLED

OSRAM exhibits completely new lighting possibilities with hundreds of organic LED at Light + Building

An impressive OLED installation by the lighting planners of 'LichtKunstLicht' is the main attraction on the OSRAM stand at the Light + Building show in Frankfurt from 11 to 16 April 2010. Design objects and luminaires use actual examples to show the range of wafer thin light sources with various colors and shapes.

OLED – inspiration at your fingertips: as part of OSRAM's stand visitors can not only marvel at OLED but actively experience them. The spectacular installation was planned under the direction of Professor Andreas Schulz together with his team of the renowned lighting design office 'LichtKunstLicht'. Reflective panels with Orbeos OLED by OSRAM Opto Semiconductors float virtually unfettered in the room and form walls as well as parts of the ceiling and floor. Visitors can enter, walk through the installation and see for themselves that in future lighting will no longer have to be produced from just one central point by individual luminaires. Where conventional luminaire designs dictated the approach in the past, these organic light-emitting diodes provide unprecedented creative freedom. "With OLED architecture has been given a new building material which will change our perception of space and light – our design is a sneak preview into the future of light", says Professor Andreas Schulz.

Long-lasting surface light as a design element

Organic LED open up completely new possibilities for architects, lighting planners and designers – essentially any object, piece of furniture, walls, ceilings, windows and many other items can be turned into a light source. Even illuminating surfaces such as lit ceilings and partition walls are feasible with OLED.

These applications will be demonstrated at the show stand – a display case with integrated OLED panels shows the opportunities that coloured or white light sources provide. A light fixture with 90 Orbeos can display exhibits and merchandise in museums and retail stores especially impressively. With the warm, soft and glare-free light of OLED, exhibits in museums can be staged far more naturally and impressively than with conventional harsh lighting effects.

The new surface lights provide even graphic effects and a wide range of colors and shapes – demonstrated by a combined partition panel measuring one square metre.

The fourth designer exhibit shows a functional combination of two new lighting technologies – the point light source LED with the surface light source OLED creates a beautiful looking combination for individual lighting situations at home.

The future of lighting has already begun – with its symbiosis of energy saving and aesthetic appeal, OLED technology turns light into an experience.



Photo: OSRAM

At this year's Light + Building OSRAM Opto Semiconductors shows completely new lighting options with hundreds of organic light-emitting diodes (OLED). The theme is "Light as experience, light as work of art".

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