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Cap – a flexible OLED luminaire

Hamburg, September 25, 2013. Studio Tim Mackerodt presents the Cap OLED luminaire. This cooperation project involving specialists in lighting component solutions and OLED modules from Tridonic is being showcased at the "blickfang selected" international design exhibition in Hamburg.

Cap
The Cap luminaire is based on the geometry of a square. Injection moulded silicon provides a highly flexible frame around the equilateral OLED. The soft material is held in shape by the low-profile light source and protects the module inside. The silhouette emphasises the thin construction of the OLED light module and integrates it between the cable bypass and the small lampshade.

Cap has a fascinating appearance with its soft shade and minimal use of materials. Its design enables the OLED to be easily replaced. Its warm light permeates through the silicon, and the light-emitting surface takes on a spatial aspect. Cap combines innovative lighting technology with familiar elements in a contemporary object.

OLEDmodule LUREON REM
The Cap luminaire incorporates an OLED light module from Tridonic's LUREON REM series. It provides an ideal setting for the extremely low-profile design of the LUREON REM, which measures only 2.5 mm. The warm white light with a colour temperature of 2800 K makes this pendant luminaire perfect for creating a relaxing atmosphere. The square module, measuring 145 mm x 145 mm was
selected from Tridonic’s OLED portfolio. LUREON REM offers excellent colour rendering with a CRI of more than 80 and a system efficiency of 40 lm/W.

More about OLEDs
An organic light emitting diode (OLED) consists of a thin organic layer system (approx. 200 to 500 nanometres) located between two electrodes (anode and cathode). This area light source is attached to a glass substrate and is thinner than 2 millimetres. When a current is applied light is produced within the layer system and is emitted through one of the electrodes. In contrast to conventional light sources, OLED light modules produce a flat light with high colour quality that is very pleasant on the eye. Another benefit is that the light from OLEDs is glare-free. This means that OLEDs do not need any reflectors to reduce glare. OLEDs are therefore among the most efficient light sources.

Studio Tim Mackerodt
Tim Mackerodt established his studio in 2012 while he was still studying at art college in Kassel. He studied under Professor Oliver Vogt, Professor Jakob Gebert and Steffen Kehrlé. Since 2012 he has been working for a number of agencies including teilchenbeschleuniger (whose clients include WMF and Hahnemühle) and Benjamin Hubert Studio (Moroso, menu, and others).

Tim Mackerodt cooperates with national and international partners, mainly in the furniture, lighting and microarchitecture sectors. The studio integrates technologies and materials to adopt new approaches to product design.

Projects by Tim Mackerodt have been widely exhibited, most notably at D3 Contest (imm cologne) and material vision (interzum). Tim Mackerodt was recently invited to exhibit his work at blickfang selected 2012/13.

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About Tridonic
Tridonic, headquartered in Dornbirn/Austria, develops, manufactures and markets equipment for a wide range of light sources, lighting management systems, LED and OLED solutions and connectors. Through its active partnership, outstanding service competence and technical expertise Tridonic enables its customers to implement lighting solutions of superior functionality and economy.
Tridonic is a subsidiary of the Zumtobel Group. In the 2012/13 fiscal year, 1,946 employees in 27 locations achieved sales of 378 million euros. More than 300 employees in research and development create intelligent lighting concepts based on sophisticated systems and products. More than 650 inventions and 2,100 patents are ample evidence of the powers of innovation of Tridonic. Customers include luminaire manufacturers, manufacturers of products that incorporate lighting, architects, electrical system designers, lighting planners, electrical contractors and wholesalers.

The history of Tridonic stretches back more than 50 years and is a success story with many highs. Today, true to its slogan “enlightening your ideas”, Tridonic is synonymous with outstanding products and services related to the fascinating subject of light.

For more information go to www.tridonic.com

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