

PRESS RELEASE

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LED light engine with integrated converter

Compact, flexible and fit for the future

Dornbirn, April 15, 2012. **The TALEXXengine STARK DLE TWIST is the first LED light engine in the Tridonic LED portfolio with an integrated converter and a holder for luminaire installation mounted on the heat sink. Like conventional light sources, this compact high-efficiency LED unit for downlights can be installed without any tools and can just as easily be dismantled.**

5-year guarantee on the complete system

The LED light engine combines an LED light source, converter and the appropriate holder for luminaire installation in a single casing. It has an impressive colour rendering index of more than CRI 80 and a high system efficiency of 60 lm/W at a colour temperature of 3,000 K and 70 lm/W at 4,000 K, each for a typical T_c point temperature of 65 °C. The 4,000 K version (70 lm/ W) achieves energy savings of around 35 % compared with luminaires operated by compact fluorescent lamps, and up to 60 % compared with low-voltage halogen lamps. Since all the components of the LED unit come from Tridonic there is a five-year guarantee on the complete system.

Simple installation

Installation and dismantling could not be simpler. The holder is mounted on the heat sink and then the LED unit is simply screwed into the holder – just like an ordinary light bulb. This provides the thermal, mechanical and electrical connection and the product is ready for use. A spring ensures permanent contact between the light engine and the surface of the heat sink. This means that heat is properly removed, thereby ensuring the long life of the LED unit.

Uniform light at constant luminous flux

A white diffuser and the overall neutral appearance of the light sources ensure uniform distribution of the light. Standardised lumen packages enable a constant luminous flux to be provided and therefore precise sustainable lighting planning throughout the entire life of the unit of 50,000 hours.

TALEXEngine STARK DLE TWIST is currently available in the CLASSIC version (non-dimmable) with a luminous flux of 1,100 lm and colour temperatures of 3,000 and 4,000 K. It is particularly suitable for downlights for general illumination tasks and, depending on the colour temperature, provides impressive service in the retail, presentation, restaurant, hotel and wellness sectors. The LED unit can be used as an alternative for 13 W, 18 W and 24 W compact fluorescent lamps and 50 W halogen lamps. A version with 2,000 lm will be added to the product portfolio this year, with more to follow.

Future-proof

The light engine is already equipped for the future because the LED module uses proprietary connection technology for simple replacement so the imminent 2,000 lm version for example can be swapped in easily. The connection technology complies with the planned standards of the Zhaga Consortium which aims to ensure compatibility between different LED products. This means that future LED light sources with different lumen values and wattages can be easily integrated in existing lighting systems.

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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 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.

In the 2010/11 fiscal year, 2,300 employees in 30 locations achieved sales of 437 million euros. More than 250 development engineers create intelligent lighting concepts based on sophisticated systems and products. More than 570 inventions and over 2,000 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 60 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.