

PRESS RELEASE

Light+Building 2012

Hall 2.0, Booth A30

LED systems for area light

Version with integrated emergency lighting functions

Dornbirn, April 15, 2012. **Tridonic has added integrated emergency lighting functions to its TALEXXengine Stark QLE and LLE. This means that additional LEDs have been mounted on the LED modules. These LED systems are particularly efficient and flexible.**

These square (QUE) and linear (LLE) versions can be used separately or in combination. They open up new options for luminaire designers and can be used as alternatives to T5, T8 and TCL fluorescent lamps.

Integrated emergency lighting function

TALEXXengine Stark QLE and LLE are ideal for emergency lighting. The LED modules are either equipped with additional LEDs for emergency lighting or are dimmed in emergency lighting mode. Matching control gear round off the product range.

The new EM converterLED units are designed to operate the LED modules without additional emergency lighting LEDs. They are used in combination with non-dimmable and dimmable converters. They are available in SELV (Safety Extra Low Voltage) and Non-SELV versions and also with various functionalities from the manually tested unit (BASIC) to units with automatic self-testing (ST) and centrally monitored DALI emergency lighting systems (PRO). Depending on the standards and specifications, an operating time of one, two or three hours is required – the Tridonic product range meets all these requirements.

The EM powerLED 1-4 W units, which are also available in BASIC, ST and PRO versions, are designed for emergency lighting provided by LED modules with additional emergency lighting LEDs.

Square and linear

TALEXXengine Stark QLE and LLE offer a system luminous efficacy of up to 100 lm/W. Dimensions of 270 mm x 270 mm (QLE) and 35 mm x 270 mm (LLE) make these 6 mm thin LED modules ideal for individual lighting solutions. They can be used as individual modules or in various combinations. The square version is perfect for area luminaires and long-run luminaires, and the linear version is ideal for creating clear lines of light. All versions will fit a wide variety of lighting systems, from diffusers to louvre luminaires.

Different white tones

The LED engines are available at present with two different modules with colour temperatures of 3,000 K and 4,000 K. The CRI is greater than 80 in each case, offering very good colour rendering. At a colour temperature of 3,000 K they achieve a brightness of 1,190 lm at an efficiency of 93 lm/W; at a colour temperature of 4,000 K the figures are 1,250 lm and 100 lm/W. Each module contains 66 LEDs (not counting emergency lighting LEDs) arranged so that they produce a pleasant uniform light. The principal applications are offices, foyers, educational establishments and factories.

Simple wiring and mounting

The modules can be connected to one another and to the appropriate converters via special terminals and cable penetrations and returns. Four to six modules can be operated in series with just one converter. The converters, either for luminaire installation or surface mounting, are specially matched to the LED modules. There are versions available with or without integrated interfaces (DSI signal, switchDIM or DALI) and with corridorFUNCTION.

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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.