

PRESS RELEASE

Efficient and tough

RLE-G2 modules for reliable industrial and outdoor lighting

Dornbirn, September 17, 2018. **The new RLE-G2 modules from Tridonic have been developed for harsh industrial environments and challenging outdoor conditions. They can withstand salt spray, pollutants and extreme temperatures and are easy to integrate in a very wide range of luminaires. With their long life and high efficiency they cover a broad spectrum of potential applications.**

The second generation of the RLE EXC and ADV family of modules for industrial and outdoor lighting has been specifically developed for modular luminaire designs. All the high-power and mid-power modules have passed a demanding series of tests, including exposure to salt spray and pollutants. With their extended temperature range of -40 °C to +105 °C/+95 °C (high power/mid power) they can also handle extreme climatic conditions. While high-power modules are extremely durable with a life of 100,000 hours, mid-power module offer exceptionally high efficiency of up to 190 lm/W and a life of 80,000 hours. Together with a suitable Tridonic outdoor driver, all the RLE G2 modules can withstand surge and burst voltages of up to 6 kV. The modules comply with the ZHAGA standard and are compatible with various standard lenses available on the market.

EXC high-power modules

The RLE 2x4 / 2x8 EXC2 OTD modules are equipped with 2 x 4 or 2 x 8 high-power LEDs and achieve a luminous flux of 2,000 and 4,000 lm respectively. Their module efficiency is up to 170 lm/W at 550 mA (nominal operation). The LED modules are available in different colour temperatures: 2,700 K, 3,000 K, 4,000 K and 5,000 K with a CRI > 80, and 4,000 K and 6,500 K with a CRI > 70. CRI > 70 stands for high efficiency, and CRI > 80 for good colour rendering. They are compatible with standard 2x2 lenses, such as LEDIL Strada 2x2.

The RLE 2x6 EXC2 OTD modules with 2 x 6 high-power LEDs achieve a luminous flux of 3,000 lm and a module efficiency of up to 140 lm/W at 700 mA (nominal operation). The cost-effective modules can also be operated without protective glass. They are suitable for standard IP6x lenses, such as LEDIL Strada IP-2x6.

ADV mid-power modules

The RLE ADV2 OTD modules have 32 or 64 mid-power LEDs on the board and achieve 2,000 and 4,000 lm respectively. They are impressive for their extraordinary efficiency of up to 190 lm/W at 500 mA (nominal operation) and provide more homogeneous light and less glare than high-power LEDs. Standard x16 lenses such as LEDIL Stradella 16 are suitable here. The modules can be used without protective glass.

The manufacturer offers a warranty of 8 years on the high-power modules with a life of 100,000 hours, and a warranty of 5 years on the mid-power modules with a life of 80,000 hours.

Caption

The new RLE G2 modules for industrial and outdoor lighting are versatile and offer high efficiency and reliability even in harsh conditions.

Press contact

Silvana Kegele
Tridonic GmbH & Co KG
Phone: +43 5572 395 – 45109
silvana.kegele@tridonic.com

Markus Rademacher
Tridonic GmbH & Co KG
Phone: +43 5572 395 – 45236
markus.rademacher@tridonic.com

About Tridonic

Tridonic is a world-leading supplier of lighting technology, supporting its customers with intelligent hardware and software and offering the highest level of quality, reliability and energy savings. As a global driver of innovation in the field of lighting-based network technology, Tridonic develops scalable, future-oriented solutions that enable new business models for lighting manufacturers, building managers, systems integrators, planners and many other types of customer.

To promote the vision of the “Internet of Light”, Tridonic relies on partnerships with other specialists. The goal is the joint development of innovative technological solutions that convert lighting systems into intelligent networks and thereby enable associated services. Its profound, technical industry expertise makes Tridonic an ideal partner for established brands and for newcomers to the market.

Tridonic is the technology company of the Zumtobel Group and is headquartered in Dornbirn, Austria. In the 2017/18 tax year, Tridonic generated sales of €352.7 million. 1,690 highly skilled employees and a worldwide sales presence in over 50 countries provide the basis for developing and launching new, smart and connected lighting systems.

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