

PRESS RELEASE

A strong pairing for 48 V

Twice the range with 48 V drivers and lighting strips

Dornbirn, February 22, 2022. **The first DALI-2-compatible 48 V drivers in combination with flexible LED modules offer enormous freedom for luminaire designers and lower costs for on-site installation.**

With its new 48 V portfolio Tridonic is taking the benefits of 24 V low-voltage technology, such as safe and easy installation, and applying them to 48 V applications. The new DALI-2-compatible LC CV 48V EXC SC/lp drivers and matching 48 V FlexTape EXC LED modules from the Tridonic range are the key to longer lighting strips with a reduced number of drivers, lower energy consumption and no loss of luminous flux. This makes for simpler lighting designs and helps luminaire manufacturers to save on wiring, energy and costs.

First DALI-2 certified 48 V drivers on the market

The new dimmable LC CV 48V EXC drivers are the first 48 V drivers on the market to be certified according to the DALI-2 standard. Two different designs (lp and SC) allow installation in integrated or standalone applications. These 48 V drivers are available in 35 W, 60 W and 100 W models. Thanks to NFC support, the drivers can be configured in no time. Diagnostic data and energy consumption data are easily available via lumDATA. The new IoT-ready drivers are compatible with the new flexible 48V FlexTape EXC lighting strips. The dimmable drivers are a reliable and user-friendly solution for a wide range of lighting applications, not least because of their long service life.

Endless light with 48 V lighting strips

The new 48V FlexTape EXC LED modules from Tridonic have twice the range of conventional lighting strips while maintaining the same luminous flux. From a single point of power supply it is possible to cover a distance of up to 20 metres – making installation and wiring much easier. The new strips are also great wherever flexibility is required to create shapes and follow contours. These

flexible strips make it easy to create round or curved luminaires – for example for furniture lighting or along handrails or across steps for greater safety. Thanks to an innovative reel-to-reel process, the strip lights from Tridonic do not require solder joints; the length of the individual reels is up to 10 m. The strip lights can be split every 62.5 mm and the distance between the individual LEDs is 7.81 mm. In this way, up to 8 LEDs can be accommodated on one segment of the strip light. The strips have a life of up to 60,000 hours.

Fig. 1

The dimmable LC CV 48V EXC drivers are the first 48 V drivers on the market to be certified according to the DALI-2 standard.

Fig. 2

The 48V FlexTape EXC LED modules from Tridonic have twice the range while maintaining the same luminous flux. Up to 20 metres can be covered from a single power feed

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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. Tridonic's in-depth industry expertise makes it an ideal driver for partnerships with other visionaries.

Tridonic is the technology company of the Zumtobel Group and is headquartered in Dornbirn, Austria. In the 2020/21 fiscal year, Tridonic achieved sales of 302.8 million euros. 1,808 highly skilled employees and a worldwide sales presence in over 70 countries provide the basis for developing and launching new, smart and connected lighting systems.

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