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PRESS RELEASE

Intelligent luminaire group control
SIDEREA groupCONTROL for on-demand control of Smart City lighting

Dornbirn, January 25, 2022. Tridonic has added groupCONTROL functionality to its SIDEREA solution for efficient lighting in smart cities. The new system enables groups of up to 60 luminaires to be controlled.

Tridonic has expanded its [SIDEREA family](#) of citizen centric lighting solutions with the addition of [SIDEREA groupCONTROL](#). This new feature enables urban outdoor lighting systems with up to 60 light points – for example in parks or along cycle and pedestrian paths – to be controlled centrally and autonomously. With the aid of sensors or programmed schedules, urban areas can be illuminated reliably and on demand. The Dynamic Lighting function is capable of controlling Tunable White luminaires, thereby providing cities with a flexible means of meeting demand for daylight-dependent lighting. The autonomous system is based on the interaction of smart components tailored to facilitate the management of lighting installations in the smart cities. The solution comprises all the components needed to connect to central management systems and Smart City platforms, including sensors, drivers, communication modules, wireless modules and gateways.

A vital component of groupCONTROL is the Multi Master Controller CIS 30 DA RF, which has been the first controller on the market to be Zhaga D4 certified. This certification ensures the interoperability of luminaires, drivers, connection nodes and peripherals. It also regulates the connection to the luminaire with a Zhaga-compliant connector. The CIS 30 DA RF controller controls up to eight DALI-DT6 channels as well as the integrated ambient light sensor which opens up dynamic light scenes and Light on Demand. Thanks to the Zhaga Book 18 Standard and D4i certification, the intelligent system can be seamlessly integrated in an IoT network via a cloud gateway in the next expansion stage. Scalability ensures the future viability of this smart system.

The groupCONTROL programmer enables groups of local outdoor lighting installations to be put into operation on site. The configTOOL app is designed to make commissioning and maintaining groups of luminaires as easy as possible for OEMs, system integrators and municipal authorities thanks to user-friendly elements such as map support, a live test function and an assistant for integrating motion sensors. With the configTOOL app the system can be conveniently controlled from any location – via a smartphone, tablet or laptop. For easy on-site commissioning the battery-operated groupCONTROL programmer is supplied in a sturdy IP40 housing with a power supply unit and 12 V car charger. A single charge will last up to 50,000 hours.

Fig. 1
The groupCONTROL system enables outdoor lighting systems with up to 60 light points to be controlled autonomously.

Fig. 2
A vital component of groupCONTROL is the Multi Master Controller – the first controller on the market to be Zhaga D4 certified.

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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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