

PRESS RELEASE

Lighting scenes at the touch of a button

Tunable White system for downlights

Dornbirn, November 13, 2018. **The DLE G2 PRE Tunable White system is precalibrated at the factory and has an adjustable colour temperature range of 2,700 to 6,500 K, so it covers the entire white range from warm white to cool white. Luminous flux remains constant at all times. The system provides a simple way to create dynamic lighting solutions such as Tunable White and human centric lighting applications.**

The DLE G2 PRE Tunable White system for downlights not only has an adjustable colour temperature of 2,700 to 6,500 K at constant luminous flux but also an impressively high colour rendering index of $R_a > 90$. It is available as a precalibrated kit consisting of perfectly matched components: a compact LED driver and a Tunable White LED module. Tridonic is therefore ensuring both high quality of light and high colour consistency (SDCM 3) while considerably simplifying Tunable White lighting solutions.

Flexible operation via pushbuttons or software

The system includes a dimmable two-channel DALI-DT8 surface-mount driver with an adjustable output current of 350 to 1,050 mA and a maximum output of 38 W. The driver is equipped with a digital interface (DALI DT8, DSI, switchDIM, corridorFUNCTION) to which either a digital control signal (DALI) or a standard pushbutton switch (switchDIM) can be connected. At the touch of a button, the light can be dimmed from 100 % to 1 % without any change in the selected colour temperature. The rate at which the light switches on and off can be set between 0.2 s and 16 s via the Power-up-Fading and Fade-to-Zero functions. The colour temperature can also be set via colourSWITCH using conventional pushbutton switches. The memory function remembers the last dimming value and colour temperature.

The corridorFUNCTION can be programmed via a DALI-USB interface using masterCONFIGURATOR. This function can be activated manually by applying a voltage of 230 V to the switchDIM connection for five minutes. Overtemperature, short-circuit, overload and no-load protection as well as reduced surge current amplification round off the range of functions. The LED downlight module is available with a luminous flux of 2,000 lm or 3,000 lm.

The Tunable White system has a high system efficiency up to 100 lm/W and is extremely economical in standby mode with a power draw of only 0.25 W. It is also suitable for emergency lighting systems in accordance with EN50172 and has a life of 50,000 hours. The manufacturer offers a 5-year system guarantee.

Caption

The kit is precalibrated at the factory and consists of a two-channel DALI-DT8 driver and DLE G2 PREMIUM LED module.

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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. 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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