# PRESS RELEASE

**Würth Elektronik extends its RGB LED product series**

**Heat-Resistant LEDs**

Waldenburg (Germany), May 27, 2025 – Würth Elektronik expands its “[WL-SFTW SMT Full-color TOP LED Waterclear](https://www.we-online.com/en/components/products/WL-SFTW)” product group. The new RGB LEDs in their respective packages PLCC4 2121, PLCC4 3528 and PLCC6 3528 are characterized by excellent heat resistance. Their insensitivity to temperatures from -40 to +100 °C makes them ideal solutions for reliable, color-variable lighting in applications at high operating temperatures.

The operating temperature range of LEDs for industrial applications typically goes up to just 85 °C. Würth Elektronik extends this range to 100 °C, opening up new fields of application. The unusually heat-resistant LEDs provide manufacturers of devices operating in hot or otherwise challenging environments with greater reliability. This includes industrial or automation solutions, street or outdoor lighting, as well as event and stage technology. Other applications are found in devices that are used very intensively, such as in the medical field, as well as energy-efficient lighting used in machine or server rooms.

The Waterclear lens ensures clear, brilliant colors and precise color rendering. High-quality features such as silver-plated solder pads and heat-resistant PLCC housings ensure excellent solderability, high resistance to thermal shock, and high reliability in production.

The LEDs are characterized by high light yield with low energy consumption, resulting in up to 15 percent higher efficiency than similar LEDs operating at elevated temperatures. They also have a longer service life thanks to the robust materials and improved temperature management.

WL-SFTW SMT Full-color TOP LED Waterclear in PLCC4 2121, PLCC4 3528, and PLCC6 3528 formats with an extended temperature range are now available from stock with no minimum order quantity.

**Available images**

The following images can be downloaded from the Internet in printable quality: <https://kk.htcm.de/press-releases/wuerth/>

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| Image source: Würth Elektronik **The WL-SFTW RGB LEDs from Würth Elektronik are now available with an extended operating temperature range of up to 100 °C.** |

About the Würth Elektronik eiSos Group

Würth Elektronik eiSos Group is a manufacturer of electronic and electromechanical components for the electronics industry and a technology company that spearheads pioneering electronic solutions. Würth Elektronik eiSos is one of the largest European manufacturers of passive components and is active in 50 countries. Production sites in Europe, Asia and North America supply a growing number of customers worldwide.

The product range includes passive components, power modules, digital isolators, optoelectronics, electromechanical components, thermal management solutions, sensors and wireless modules. The portfolio is rounded off by customer-specific solutions.

The unrivaled service orientation of the company is characterized by the availability of all catalog components from stock without minimum order quantity, free samples and extensive support through technical sales staff and selection tools.

Würth Elektronik is part of the Würth Group, the global market leader in the development, production, and sale of fastening and assembly materials, and employs around 7,500 people. In 2024, the Würth Elektronik Group generated sales of 1.02 Billion Euro.

Würth Elektronik: more than you expect!

Further information at [www.we-online.com](http://www.we-online.com)

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