

Presse Press

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Osram presents long-life LED for general lighting

Osconiq S3030 enables customers to build luminaires with optimum quality, extra-long life and exceptional robustness

The market for LED lighting is moving forward very fast and the demand for professional components with long lifetimes and extraordinary robustness is growing. In announcing the new professional Osconiq S3030, Osram Opto Semiconductors is successfully facing up to these challenges. These LEDs are state-of-the-art components designed to meet professional demands in various general lighting applications and characterized by long life, high performance and first-class reliability.

Osconiq S3030 is Osram's entry into the professional mid-power market. The LED is ideal for use in outdoor and industrial lighting. It offers customers LED lighting of the highest quality and great durability even in extreme operating conditions. The individual components provide flexibility in forward voltage and luminous flux with an exceptional lifetime of 75.000 hours even at high temperatures. Together with an optimized phosphor, lead frame and chip design, the development of the Osconiq S3030 raises LED technology to a new level of performance with an impressive efficiency of 146 lm/W. The 0.2 W applications are especially suitable for linear lighting and fluorescent tube replacement. Overall, Osconiq S3030 achieves competitive values for reliability, lifetime and brightness.

“With Osconiq S3030 we have succeeded in developing an LED that is ideal for professional lighting solutions in outdoor, indoor and industrial applications”, said Wong Kum Yih, Marketing Manager for General Lighting at Osram Opto Semiconductors. “With high-grade materials such as the proven Osram designed sapphire chip and robust silicone, we have taken the stability of LED lighting to the next level. In addition to

outstanding lifetime values, our customers also benefit from superior quality and improved performance.”

Osconiq S3030 is available in two versions (CRI 70 or 80) with a power rating of 1.0 W at 6 V and a luminous flux of 138 to 148 lm. The footprint of both versions is comparatively small at 3.0 mm x 3.0 mm x 3.0 mm. The color temperature ranges from 2,700 to 6,500 K. The beam angle of 120° and the extremely low thermal resistance of around 8.9 K/W make the LED ideal for outdoor lighting. In addition to the technical improvements, Osconiq S3030 features professional grade materials such as high-quality long-life packaging subcomponents and proprietary coatings. These materials have been validated by extensive robustness testing under extreme overload conditions. What’s more, the EMC (epoxy molding compound) lead frame material provides the basis for much longer life and better reliability than conventional PPA and PCT materials.

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The footprint of both versions of Osconiq S3030 is comparatively small at 3.0 mm x 3.0 mm.

Picture: Osram



The Osconiq S3030 LED is suitable for outdoor, indoor and industrial lighting applications.

Picture: Osram

ABOUT OSRAM

OSRAM, based in Munich, is a leading global high-tech company with a history dating back more than 110 years. Primarily focused on semiconductor-based technologies, our products are used in highly diverse applications ranging from virtual reality to autonomous driving and from smartphones to networked, intelligent lighting solutions in buildings and cities. OSRAM utilizes the infinite possibilities of light to improve the quality of life for individuals and communities. OSRAM's innovations will enable people all over the world not only to see better, but also to communicate, travel, work, and live better. As of the end of fiscal year 2018 (September 30), OSRAM had approximately 27,400 employees worldwide. It generated revenue of more than €4.1 billion in fiscal year 2018. The company is listed on the stock exchanges in Frankfurt and Munich (ISIN: DE000LED4000; WKN: LED400; trading symbol: OSR). Additional information can be found at www.osram.com.