

Presse Press

Regensburg, June 14th, 2017

Topled E1608: The new generation of Osram's successful LEDs is setting new standards in miniaturization

The new low-power LEDs combine a smaller package with exceptional versatility to meet an extremely wide range of customer requirements

More than 25 years ago, the Topled set a worldwide standard as the first surface-mountable LED. Osram Opto Semiconductors now presents the latest generation, the Topled E1608, which has a package that is smaller than its predecessor models by factor 20. Despite this considerable miniaturization the low-power LED is bright, reliable and robust. The compact Topled offers greater options and greater design flexibility, particularly for car interior applications.

ThinGaN, thin film and Sapphire – the new Topled E1608 LEDs from Osram Opto Semiconductors are all based on the latest chip technologies. In combination with the latest high-efficiency converters, the low-power LEDs produce outstanding values: At a normal operating current of 20 mA the new Topleds are 3.6 times brighter than their predecessor models. The pure green conversion version, for example, achieves the impressive and unprecedented value of 780 mcd at 10 mA. At the same current it is three times brighter than the classic Topled. For the package, Osram uses tried and tested premold technology, but reduced in size compared to the previous version. The E1608 in the name refers to the more compact package dimensions of 1.6 mm x 0.8 mm; by comparison, the standard Topled currently measures 3.2 mm x 2.8 mm. At 0.6 mm the height of the E1608 is also considerably less than the previous figure of 1.9 mm.

Topled E1608 – the industry standard of the future

Thanks to the new package dimensions, the new E1608 can be used for more compact customer systems. "The new Topled E1608 LEDs are some of the smallest LEDs in their class. In addition, they offer reliability, a wide selection of colors and impressive values.

Whatever the customer requirements they are suitable whether the application is toward to top or bottom of the brightness range. We are assuming therefore that they will gradually become firmly established and may even define a new industry standard”, said Anita Wenzl, Manager LED Automotive Interior at Osram Opto Semiconductors. “These robust LEDs are suitable particularly for the automotive sector for applications such as displays, ambient lighting and backlighting of switches and instruments.”

The new Topled generation will be available in numerous colors – from yellow and orange to super red, white, pure green and true green. The current market launch of six Topled E1608 products is the start of a whole series of new versions in this product family. In the course of 2017 more new versions will be successively launched.

For more information on the Topled family please refer to the [product catalog](#).

Press contact:

Simon Thaler
Phone +49 941 850 1693
Email: simon.thaler@osram-os.com

Technical information:

Phone +49 941 850 1700
Fax +49 941 850 3305
Email: support@osram-os.com
Sales contacts: www.osram-os.com/sales-contacts



The new Topled generation, the E1608, combines versatility with a package miniaturized by factor 20.

Picture: Osram



Thanks to the new Topled E1608 and its excellent output, car dashboards can be a real eye-catcher.

Picture: Osram

ABOUT OSRAM

OSRAM, based in Munich, is a globally leading lighting manufacturer with a history dating back about 100 years. The product portfolio includes high-tech applications based on semiconductor technology such as infrared or laser lighting. The products are used in highly diverse applications ranging from virtual reality, autonomous driving or mobile phones to smart and connected lighting solutions in buildings and cities. In automotive lighting, the company is the global market and technology leader. Based on continuing operations (excluding Ledvance), OSRAM had around 24,600 employees worldwide at the end of fiscal 2016 (September 30) and generated revenue of almost €3.8 billion in that fiscal year. The company is listed on the stock exchanges in Frankfurt and Munich (ISIN: DE000LED4000; WKN: LED 400; trading symbol: OSR). Additional information can be found at www.osram.com.