Presse Press

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Turning the driver's cab into a mobile living space - Osram presents white LED family for automotive ambient lighting

Ostune E1608 and E3030 bring more varieties for design elements in vehicle interiors

Car interiors are becoming increasingly important in the latest generation of vehicles and are undergoing a fundamental image change leading to corresponding effects on design and integrated applications. The Ostune LED family from Osram Opto Semiconductors now brings technological advancement and insights from the general lighting industry to the car. The first two products cover a wide color temperature range and enable OEMs to offer distinctive light variants for their ambient lighting: from elegant, bluish cool white to cozy, reddish warm white. The LEDs offer a coloring rending index (CRI) of more than 90, the highest CRI currently available for automotive applications.

LED-based applications have been on a triumphant march in the automotive sector for many years. From high-performance LEDs for headlights to infrared versions for driver monitoring and RGB solutions for interior lighting, LEDs are increasingly penetrating the market. However, in the field of ambient lighting, halogen lamps are still often used today - which not only require significantly more energy, but also considerably more installation space.

Ostune E1608 and E3030 extend Osram's broad portfolio for automotive interior lighting by offering a wide color temperature range from 2700 to 6500 Kelvin. In addition, they provide customers an energy-efficient and space-saving alternative to conventional technologies for many applications: from cozy interior lighting and reading lights to mirror and footwell lighting. Thanks to the broad color range and ability to choose from many small bins, customers can easily and very precisely define their desired white tone and make it a fixed design element across vehicles. In addition to the particularly compact dimensions of

1.6mm x 0.8mm x 0.6mm (E1608) and 3.0mm x 3.0mm x 0.65mm (E3030), the products offer outstanding color rendering in the car interior. The Ostune E1608 covers the lower brightness range up to over 7 lumens, the E3030 the upper range up to over 70 lumens.

"Ambient lighting is becoming increasingly important with each new generation of vehicles," explains Hermann Senninger, Marketing Manager for Automotive Interior at Osram Opto Semiconductors. "With our Ostune product family, completely new designs are now possible transforming the atmosphere in the interior from a functional workplace to a cozy living room simply by adjusting the color temperature".

For further information about automotive interior illumination join our webinar on 10th of December at 10.00 a.m. (CET) or visit our website. You are also welcome to contact our colleagues from technical support.

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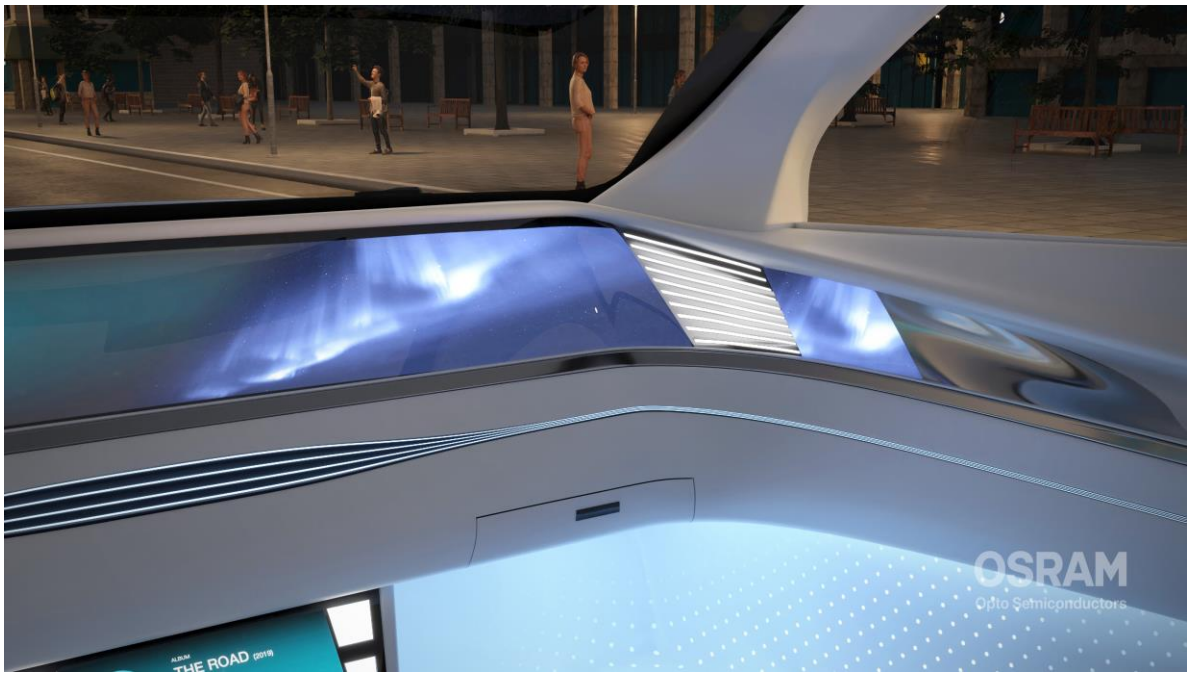
The Ostune E3030 is the bigger of the two newly introduced white LEDs in the Ostune family for ambient lighting in vehicles.
Image: Osram



Car interiors are undergoing a fundamental image change: from a driver's cab to a mobile living space. As a result, aspects such as ambient lighting are becoming increasingly important.
Image: 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 smart and connected lighting solutions in buildings and cities. OSRAM uses the endless possibilities of light to improve the quality of life for individuals and communities. OSRAM's innovations enable people all over the world not only to see better, but also to communicate, travel, work and live better. OSRAM had approximately 21,000 employees worldwide as of end of fiscal 2020 (September 30) and generated revenue of around three billion euros from continuing activities. 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.