



Tiny & tough: The new SCHOTT Mini LED for use in dental and medical technology

The world's smallest hermetic, yet fully autoclavable High Power LED

Landshut (Germany), October 20, 2014 – **The international technology group SCHOTT is launching a new Mini LED for lighting applications in dental and medical technology that outperforms all previous solutions. As the world's smallest hermetic, yet fully autoclavable High Power or High Brightness (HB) LED currently on the market, it is both “tiny & tough.” Thanks to its gas-tight housing made of inorganic, non-aging materials, the Mini LED is particularly robust and successfully withstands chemicals, corrosion and pressure – even with changing temperatures. The Mini LED is thus an extremely reliable light source that emits light efficiently in high quality over a long period of time. SCHOTT will be presenting its new development for the first time ever from November 12-15 at COMPAMED in Dusseldorf (Hall 8b, Booth H08).**

The SCHOTT Mini LED is particularly well suited for use as a lighting solution for dental and medical equipment and instruments that must be reliably autoclavable. Typical applications include dental turbines, cameras, UV curing, endoscopes, laparoscopes, otoscopes and surgical instruments. The Mini LED allows the physician to position its light source closer to the area to be treated and illuminate it better. Therefore, hard to reach regions of the patient's body can be illuminated much better during surgery or a clinical examination. Thanks to the miniaturized size of the Mini LED that is only 2.0 mm in diameter, for the first time ever, it is now possible to equip medical devices with light that could not be equipped with it in the past due to design limitations.

“We have tested our new product very thoroughly. It has proven to be extremely robust, and withstands, among other things, at least 3,500 autoclave cycles at 134 °C and 2 bar ambient pressure,” explains Dr. Frank Gindele, Development Manager for LED products at SCHOTT Electronic Packaging.

The Mini LED is available upon request in both customer-specific housing shapes with contact pins and in SMD design. Therefore, it can be installed in any medical device. Furthermore, SCHOTT offers the product in accordance with customer requirements in different color temperatures, light colors, radiation profiles and optical properties such as light flow.

130 years of history in the area of special purpose glass and more than 70 years of experience in manufacturing hermetic seals and feedthroughs flow into the development and production of new products at SCHOTT Electronic Packaging.



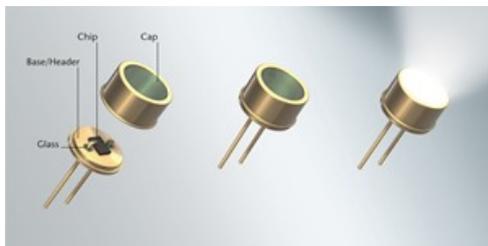
For more information:

http://www.schott.com/epackaging/english/autoclavable_and_hermetic_leds.html

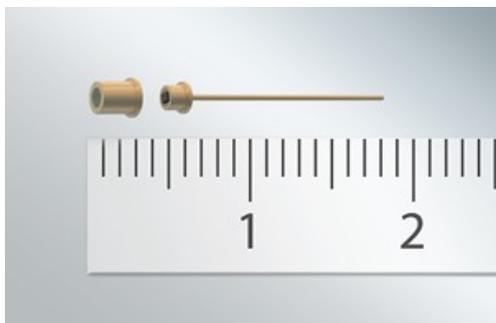
Photo download link: <http://www.schott-pictures.net/presskit/265541.miniled>



The world's smallest autoclavable High Power LED: with a diameter of less than 2mm (0.08 inches), SCHOTT's new Mini LED offers new design options for dental and medical applications. (here: SMD design). Image: SCHOTT.



Thanks to a gas-tight housing made of purely inorganic, non-aging materials, LEDs from SCHOTT are especially robust and successfully withstand temperature changes, chemicals, corrosion and pressure. Image: SCHOTT.



SCHOTT's autoclavable Mini LED is also available as a "connector version" with a contact pin. Image: SCHOTT.

More press photographs can be found here: www.schott-pictures.net



SCHOTT is an international technology group with 130 years of experience in the areas of specialty glasses and materials and advanced technologies. SCHOTT ranks number one in the world with many of its products. Its core markets are the household appliance, pharmaceutical, electronics, optics, and transportation industries. The company is strongly committed to contributing to its customers' success and making SCHOTT an important part of people's lives with high-quality products and intelligent solutions. SCHOTT is committed to managing its business in a sustainable manner and supporting its employees, society and the environment. The SCHOTT Group maintains close proximity to its customers with manufacturing and sales units in 35 countries. Its workforce of 15,400 employees generated worldwide sales of approximately 1.84 billion euros for the 2012/2013 fiscal year. SCHOTT AG, with its headquarters in Mainz (Germany) is owned by the Carl Zeiss Foundation. www.schott.com

Press contact:

SCHOTT AG
Dr. Haike Frank
Public Relations Manager
Hattenberstr. 10, 55122 Mainz, Germany
Phone: +49 (0)6131/66-4088
haike.frank@schott.com