

### World First

## First UVC LED with 100 mW

Introducing a performance of 100 mW, LG Innotek, industrial partner of LASER COMPONENTS, sets new standards for single-chip UVC LEDs. The manufacturer states that this development is two years ahead of current industry forecasts. So far, experts had assumed that similar output powers would not be achieved until 2020.

Optimized chip design leads to considerable increase in UV output, while waste heat is discharged effectively, and therefore granting stable performance over long periods. One such UVC LED can emit strong ultraviolet light at 278 nm for more than 10,000 hours.

UVC light destroys the DNA of bacteria and other germs. LEDs of this spectrum are mainly used for the disinfection of air, water and surfaces. Due to powers of just a few milliwatts, only motionless water and air masses could be sterilized. The new, high-performance radiation sources allow for new applications such as use in air conditioning systems or purification of running water.

### More Information

<https://www.lasercomponents.com/de-en/product/uvb-uvc-leds-200-315-nm/>

### Trade Shows

**Photonex Coventry**, October 11 - 12, 2017, Ricoh Arena, Coventry, Great Britain, **Booth D15**  
**SPIE Photonics West**, January 30 - February 01, 2018, San Francisco, CA, USA, **Booth 1931**  
**MD&M West**, February 06 - 08, 2018, Anaheim, CA, USA, **Booth 3593**  
**Breko Glasfasermesse**, March 13 - 14, 2018, Messe Frankfurt, Germany  
**EuroExpo**, March 21 - 22, 2018, Trondheim, Norway, **Hall E**  
**analytica**, April 10 - 13, 2018, Messe München, Germany, **Booth A2.500**  
**The Vision Show**, April 10 - 12, 2018, Boston, MA, USA, **Booth 410**  
**SPIE Defense & Commercial Sensing**, April 17 - 19, 2018, Orlando, FL, USA, **Booth 1029**  
**SPIE PHOTONICS Europe**, April, 24 - 25, 2018, Strasbourg, France, **Booth G325**  
**Scandinavian Electronics Event**, April, 24 - 26, 2018, Kistamässan, Sweden, **Booth C08:49**  
**LaSys**, June 05 - 07, 2018, Messe Stuttgart, Germany, **Booth 4C33**  
**ANGACOM**, June 12 - 14, 2018, Messe Köln, Germany  
**automatica**, June 19 - 22, 2018, Messe München, Germany, **Booth B5.501**  
**Sensor+Test**, June 26 - 28, 2018, Messe Nürnberg, Germany, **Booth 1.256**  
**Sensors Expo & Conference**, June 27 - 28, 2018, San Jose, CA, USA, **Booth 225**  
**SPIE Optics+Photonics**, August 19 - 23, 2018, San Diego, CA, USA, **Booth 527**  
**Vision**, November 06 - 08, 2018, Messe Stuttgart, Germany, **Booth 1G31**  
**electronica**, November 13 - 16, 2018, Messe München, Germany

### The Company

LASER COMPONENTS specializes in the development, manufacture, and sale of components and services in the laser and optoelectronics industry. At LASER COMPONENTS, we have been serving customers since 1982 with sales branches in five different countries. We have been producing in house since 1986 with production facilities in Germany, Canada, and the United States. In-house production makes up approximately half of our sales revenue. A family-run business, we have more than 220 employees worldwide.