Luminus releases XFM-5050 UVC LEDs and opens new possibilities for disinfection and sterilization

Single device delivers an impressive 250mW at 275 nm

SUNNYVALE, Calif., Nov 06, 2020, Luminus Devices today introduced its new XFM-5050 UVC LED series that sets new benchmarks for output, and lowers the $/mW another 20% compared to previous Luminus UVC LEDs. The series offers 2, 3, and 4 chip options with nominal power levels of 120, 180, and 240 mW of disinfection power. With the industry rapidly transitioning from mercury lamps to LEDs and new applications emerging that require higher power from smaller LEDs, XFM-5050 can deliver more than 400 mW at maximum drive current from a 5mm x 5mm package. At this new level of power, price, and reliability, even the most challenging applications such as municipal/industrial water purification are within reach.

“Effective UVC applications require the right combination of wavelength, intensity, and reliability and the market demands all three at a cost that enables LED adoption,” said Murali Kumar, Director of Specialty Marketing. “Earlier this year we dropped the cost per milliwatt to $0.10 with the XBT-3535. Lowering the cost an additional 20% and increasing output comes just in time to support the rising demand for UVC LED solutions.”

The XFM-5050 series is sampling now, with production volumes starting early in 2021.

About Luminus Devices, Inc.

Luminus Devices, Inc. develops and markets solid-state lighting solutions (SSL) to help its customers migrate from conventional lamp technologies to long-life and energy-efficient LED illumination. Combining technology originated from the Massachusetts Institute of Technology (MIT) with innovation from Silicon Valley, Luminus offers a comprehensive range of LED solutions for global lighting markets as well as high-output specialty lighting solutions for performance-driven markets including consumer displays, entertainment lighting and medical applications. Luminus is headquartered in Sunnyvale, California. For additional information please visit http://www.luminus.com.

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