

LED Engin's UV LED emitter delivers world's highest flux from smallest package to enable breakthroughs in performance and design

365nm UV LED Gen 2 emitters deliver class-leading irradiance in demanding curing applications

San Jose, CA, USA: August 13, 2013: [LED Engin, Inc.](#), a leader in high flux density LED products, announces the introduction of its 365nm UV LED Gen 2 emitter that delivers up to 1000mW flux output at 2.8W power – the highest radiant flux available in the market from a single die package.

The 365nm Gen 2 emitter produces its unprecedented irradiance from a compact 4.4mm x 4.4mm footprint, the industry's smallest high power UV LED package. It is designed with a narrow beam angle of just 70° that results in more flux in the beam and maximum power density (W/cm²) on target, at least four times higher than its closest competitor.

Due to its small size and high irradiance, the robust emitter offers unparalleled flux density for system developers of fast curing inks, adhesives and coatings. Additionally, medical, sterilization, currency verification, forensic and contamination inspection applications benefit from system efficiencies and cost savings driven by smaller emitters and optics.

The Gen 2 emitter, based on LED Engin's proprietary LuxiGen™ platform, delivers a combination of low thermal resistance (4.2°C/W) and an improved thermal derating, producing 80% relative flux at 100°C case temperature, which enables it to be driven at high drive currents (nominal 700mA) and high junction temperatures (maximum 130°C). The result is sustained maximum flux performance for high temperature applications that allows system designers to employ a smaller heat sink with passive cooling.

President and CEO of LED Engin, David Tahmassebi, comments, "We are proud to have made such a pioneering breakthrough in UV LED technology. Our latest high flux density emitter will deliver new capabilities to UV curing applications, particularly in areas where it is vital to produce and maintain maximum levels of performance. Those

customers that have been waiting for dramatic progress in flux density will be very pleased with what LED Engin can offer.”

The 365nm UV LED Gen 2 emitter (Part number: LZ1-00UV00) is available now from LED Engin and its distributors. For more information, please visit <http://www.ledengin.com/files/products/LZ1/LZ1-00UV00.pdf>

About LED Engin, Inc.

LED Engin, based in California’s Silicon Valley, specializes in ultra-bright, ultra-compact solid state lighting solutions that allow designers and engineers the freedom to create uncompromised yet energy efficient lighting experiences. The company’s LuxiGen™ Platform - an emitter and lens combination or integrated module, delivers superior flexibility in light output, ranging from 3W to 90W, a wide spectrum of available colors, including whites, multi-color and UV, and the ability to deliver upwards of 5,000 high quality lumens to a target. The small size combined with powerful output allows for a previously unobtainable freedom of design wherever high flux density, directional light is required.

LED Engin products are sold directly through LED Engin sales channels and its distributors. They are available for immediate sampling. For additional information, or to find a sales representative, please visit: www.LEDEngin.com.