



TSLC Launches its High Power UVC Product lines for Sterilization and Aseptic Markets

December 6, 2018

Optimized UVC LED emitters targeted for high efficiency and power output

CHUNAN, Taiwan, Dec. 06, 2018 (GLOBE NEWSWIRE) -- TSLC Corporation, leading manufacturer of LED components and OEM/ODM service provider, announced sampling of its ultraviolet C (UVC) product lines. TSLC provides high power and ultra high density UVC LEDs ranging from single chip to multiple chip packages, targeting to provide sterilization and aseptic markets with high power options greater than 500mW.

Currently, market available UVC package technologies involve the LED chips protected in a glass or quartz glass protected air cavity. This is the not most efficient optical design. The differences in refractive index between the semiconductor layer, air and optical material (ie glass or quartz glass) causes UV radiation to be trapped within the chip and the cavity. TSLC's new UVC LED product series uses a high refractive index material, high UVC transmissible, to increase the light extraction by about 35%. TSLC's UVC series consists of LED packages of variable footprints and power consumption. The product lineup includes single, 4-(four) and 10 (ten)-chip packages.

"The 10-chip package was specifically designed with options for customization," TH Lin, the Vice President of Sales and Marketing Department of TSLC Corporation, explained. "This is a 3.6 by 10.0 millimeter emitter of which we could put as many as ten UVC chips with minimal chip pitch to enable optimized light density. The package provides a solution for industrial applications where high UVC radiation is needed." The LEDs' small footprint and flexibility was another intentional design concept. Mr. Lin further explains, "The emitter was designed to incorporate ten UVC LED chips, but the package allows for customization in chip count from 2-10 chips. This emitter is surface mountable and can be easily modularized to needed beam shape."

Due to the increasing demand in UVC light sources, TSLC is also providing design and manufacturing services for customers that are looking for customized UVC modules. The company has the ability to customize emitter and/or chip-on-board solutions. TSLC will also provide or assist our customers with electrical, thermal, and optical designs at the module and system levels to enable our customers' applications.

About TSLC Corporation

TSLC Corporation is a leading LED manufacturer and technology developer located in Hsinchu Science Park, Chu-Nan site, Taiwan. TSLC has more than 10 years of experience in the LED industry specializing in LEDs in the visible, infrared and ultraviolet spectrum. The company focuses on specialized industrial applications such as UV curing, medical/cosmetic devices, counterfeit detection, horticulture, aquarium, security and surveillance systems.

Forward Looking Statements

This press release contains statements that may constitute "forward-looking" statements within the meaning of Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended, and as defined in the U.S. Private Securities Litigation Reform Act of 1995. All statements other than statements of historical fact could be deemed forward-looking, including, but not limited to, any projections of future revenues, income, margins or other financial information; any statements about historical results that may suggest trends for TSLC's business; any statements of the plans, strategies and objectives of management for future operations; any statements of expectation or belief regarding recovery of the LED industry, market opportunities and other future events or technology developments; any statements regarding TSLC's position to capitalize on any market opportunities; and any statements of assumptions underlying any of the foregoing. These forward-looking statements are based on current expectations, estimates, forecasts and projections of future TSLC's or industry performance based on management's judgment, beliefs, current trends and market conditions and involve risks and uncertainties that may cause actual results to differ materially from those contained in the forward-looking statements. TSLC's Annual Report on Form 10-K filed with the Securities and Exchange Commission (the "SEC") and other SemiLEDs filings with the SEC (which you may obtain for free at the SEC's website at <http://www.sec.gov>) discuss some of the important risks and other factors that may affect TSLC's business, results of operations and financial condition. SemiLEDs undertakes no intent or obligation to publicly update or revise any of these forward looking statements, whether as a result of new information, future events or otherwise, except as required by law.

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Source: SemiLEDs Corporation