

## JADE SKY TECHNOLOGIES PARTNERS WITH CLTC ON LED REPLACEMENT LAMP UPGRADE PROJECT

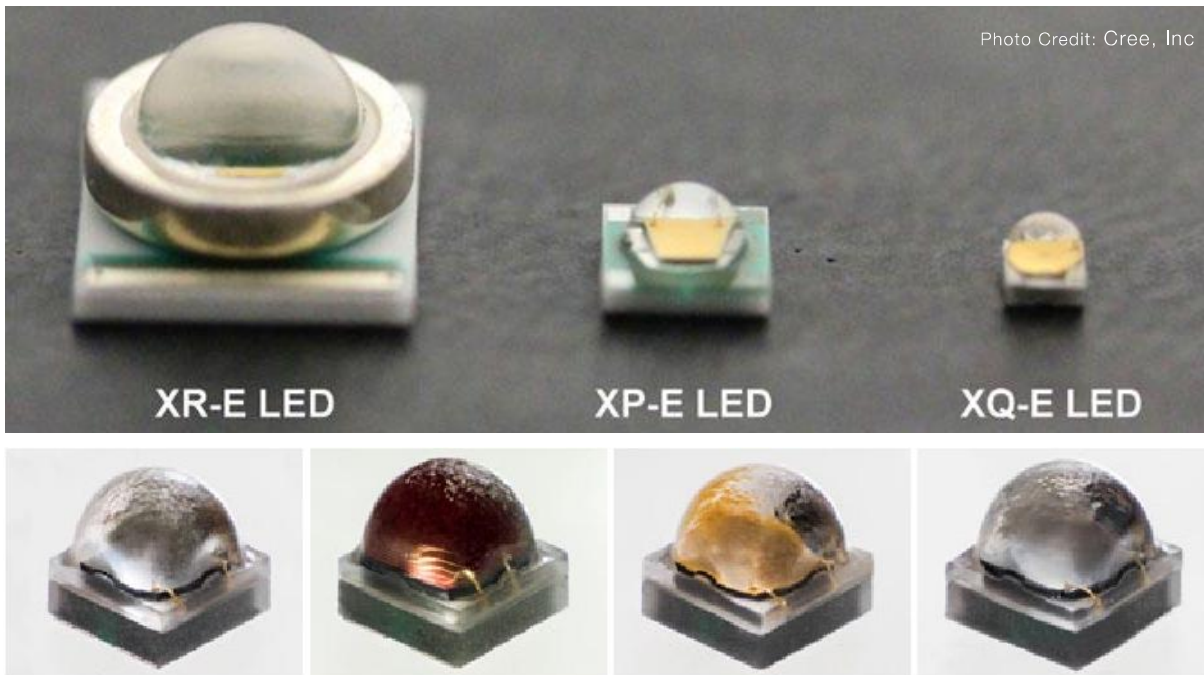
Jade Sky Technologies (JST), a clean-tech start-up manufacturer of driver ICs for LED lighting applications, announces its affiliate partnership with the California Lighting Technology Center (CLTC). Jade Sky Technologies was chosen by the CLTC to collaborate on its LED-adoption project based on JST's unique design approach that results in the optimum end-user experience for LED lighting. The aim of the partnership is to demonstrate the technical and economic feasibility of meeting the best-in-class standards set by the California Quality LED Lamp Specification set to take effect January 2014.

Jade Sky Technologies' highly integrated driver solution

enables true compatibility and smooth 100 percent down to 0 percent dimming with all commercially available dimmers and occupancy sensors. Leveraging the benefits of standard CMOS technology, JST's driver ICs enable extremely simple, cost-effective solutions that maintain the highest levels of efficiency and power factor.

"JST shares our goal of making the transition to LED lamps a satisfying experience for consumers," said CLTC Director, Michael Siminovitch, who is also the Rosenfeld Chair in Energy Efficiency at UC Davis. "All of us at CLTC look forward to working with JST to accelerate LED adoption."

## CREE INTRODUCES A NEW GENERATION OF LIGHTING-CLASS LEDS



Cree, Inc. has introduced the new XLamp® XQ-E LED family, enabling lighting manufacturers to significantly reduce the size and total cost of their LED luminaires without sacrificing light output, efficacy or reliability. The new game-changing LED packs the lighting-class performance of the XP-E2 into a package that is 78 percent smaller. The XQ-E LED family opens up new design possibilities for a wide spectrum of lighting applications such as portable, indoor directional, architectural and vehicle lighting.

"Cree's new XQ-E LEDs are changing the way we view LEDs. No other LED manufacturer offers an LED of this small size with such a high level of performance," said Luke Thorkildsen, director of lighting division, The Coleman Company, Inc. "We're excited about the new possibilities for smaller, lighter or brighter designs enabled by the new XQ-E LED."

The new XQ-E LEDs have a tiny 1.6mm x 1.6mm footprint and are available in both white and color configurations. The XQ-E's combination of optical symmetry, consistent

design across all configurations and its small size enables improved color mixing and optical control compared to the larger XP-E2 LED.

"Previously, the size of LEDs dictated the form factor of the luminaire and lighting manufacturers had to design around the light source," said Paul Thieken, director of LED Components, Cree. "With its unparalleled performance and size, the XQ-E LED redefines what's possible with lighting designs, enabling new form factors and eliminating constraints."

Built on Cree's revolutionary SC3 Technology™ Platform and characterized at 85°C, the XQ-E White LED is available in 2700K to 6200K color temperatures and offers minimum CRI options of 70 and 80. The XQ-E White LED delivers up to 287 lumens at 3W, 85°C. XQ-E Color LEDs are available in red, green and blue.

Please visit [www.cree.com/xqe](http://www.cree.com/xqe) to learn more about at the new XQ-E LED.