



NEWS RELEASE

Cree Second Generation Extreme High Power LED Delivers Unmatched Efficacy & Lumen Density

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DURHAM, N.C. -- Cree, Inc. (Nasdaq: CREE) introduces the XLamp® XHP70.2 LED, the second generation of the highest output Extreme High Power LED, which delivers up to 9 percent more lumens and 18 percent higher lumens-per-watt (LPW) than the first generation XHP70 LED. The XHP70.2 LED provides up to 58 percent higher lumen density than the closest competitor LED of the same size, enabling smaller luminaires and better optical control for high-lumen lighting applications than ever before.

“We selected Cree’s first generation XHP70 LED as the best light source for large areas, including sporting and industrial facilities, because it enabled us to create smaller and more innovative LED lighting systems with unprecedented output and efficacy,” said Ing. Flavio Sangiorgio, R&D Director at Fael Luce. “The improved efficacy of the next generation XHP70.2 LED lets us easily upgrade our products to maintain performance leadership without any major redesign.”

The XHP70.2 LED features the same 7.0 mm x 7.0 mm footprint as the previous generation and provides an easy drop-in upgrade for customers with existing XHP70 designs. In addition to light output and efficacy enhancements, the XHP70.2 LED improves optical uniformity through secondary optics, enabling lighting manufacturers to deliver better lighting performance. The XHP70.2 LED has LM-80 data available immediately, reducing the time required to receive ENERGY STAR® and DesignLights Consortium® qualifications.

“Unlike some companies, Cree continues to invest in improving light output, efficacy and reliability of our Extreme High Power LEDs to enable our customers to quickly improve their existing designs and create innovative new products,” said Dave Emerson, Cree LEDs senior vice president and general manager. “Our XHP LEDs highlight the unique advantages of Cree’s ceramic high power LED technology in reducing the cost and improving the performance of systems where extreme light output is required.”



Featuring Cree's EasyWhite® technology, which provides the industry's best color consistency, the XLamp XHP70.2 LEDs are available in 2700K-6500K with high CRI options. Product samples are available now, and production quantities are available with standard lead times. Please visit www.cree.com/xlamp/xhp70_2 to learn more.

About Cree

Cree is a market-leading innovator of lighting-class LEDs, lighting products and semiconductor products for power and radio frequency (RF) applications. Cree believes in better light experiences and is delivering new innovative LED technology that transforms the way people experience light through high-quality interior and exterior LED lighting solutions.

Cree's product families include LED lighting systems and bulbs, blue and green LED chips, high-brightness LEDs, lighting-class power LEDs, power-switching devices and RF devices. Cree's products are driving improvements in applications such as general illumination, electronic signs and signals, power supplies and inverters.

This press release contains forward-looking statements involving risks and uncertainties, both known and unknown, that may cause actual results to differ materially from those indicated. Actual results may differ materially due to a number of factors, including the risk that actual savings and lifetimes will vary from expectations; the risk we may be unable to manufacture these new products with sufficiently low cost to offer them at competitive prices or with acceptable margins; the risk we may encounter delays or other difficulties in ramping up production of our new products; customer acceptance of our new products; the rapid development of new technology and competing products that may impair demand or render Cree's products obsolete; and other factors discussed in Cree's filings with the Securities and Exchange Commission, including its report on Form 10-K for the year ended June 26, 2016, and subsequent filings.

Please refer to www.cree.com for additional product and Company information.

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