



NEWS RELEASE

## Cree Opens Design Possibilities for Architectural Lighting with New CLQ6A LED

7/19/2017

DURHAM, N.C. -- Cree expands its leading family of Architectural Lighting Class LEDs with the new CLQ6A RGBW (red, green, blue and white) LED. The first individually addressable one-watt RGBW LED in its class, the CLQ6A LED unlocks new designs that were previously not possible. The four-in-one LED provides a single point source for excellent optical control, efficient color mixing and simplified design, enabling lighting manufacturers to offer beautiful and differentiated architectural lighting.

“Architectural lighting is one of the most challenging applications because of the scale, visibility and complexity of the installations. This is why we trust our brand with Cree® LEDs,” said Li Yong Tao, R&D Director at Grand Canyon LED Lighting Systems Co, Ltd. “Cree® LEDs deliver superior luminous flux output, rich color options and excellent color consistency that are perfect for architectural lighting. Cree’s high reliability enables us to offer products that perform well even in harsh outdoor conditions.”

Delivering 8.2 lumens for Blue, 30 lumens for Green, 14 lumens for Red and 25 lumens for White at 100 mA in a 5 x 5.2 mm package, the CLQ6A LED improves brightness by seven times over similar 4:1 LEDs that have not been optimized for architectural lighting. Cree is also extending its CLX6F family with a PC Amber option that delivers 23 lumens at 105 mA in a 3.4 mm x 3.5 mm package. These new LEDs provide unique design options and expand Cree’s portfolio of LEDs for architectural lighting, which includes the high-power XLamp® XQ-A, XQ-E, XP-E2 and XM-L™ Color LEDs.

“Cree continues to develop new application-optimized LEDs that provide our customers with the best options to meet their design requirements,” said Dave Emerson, Cree LEDs senior vice president and general manager.

“Previously, lighting manufacturers only had high and low power LEDs to choose from for these color options. With the new CLQ6A and CLX6F LEDs, we are expanding the industry’s best portfolio of LEDs for architectural lighting

with the light output and reliability innovations expected from Cree to fill the performance gap in the market and meet customers' needs."

Product samples of the CLQ6A and CLX6F LEDs are available now with standard lead times. Please visit <https://www.cree.com/architecture> to learn more.

#### About Cree

Cree is a market-leading innovator of lighting-class LEDs, lighting products and power and radio frequency (RF) semiconductors. 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, satellite communications, 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](http://www.cree.com) for additional product and Company information.

Cree® and XLamp® are registered trademarks, and XM-L™ is a trademark of Cree, Inc.