

LED Array Sets New Benchmarks for Efficiency

Cree, Inc. announces the industry's first lighting-class LED array. The XLamp CXA20 LED array is the first lighting-class array aimed at accelerating the LED lighting revolution and can enable a 60 watt A-lamp equivalent while consuming just 11 watts.

"We are impressed with Cree's new XLamp LED array," said PK Li, OPTILED Lighting International, Ltd., Director of Product Development. "They combined lighting-class performance, unequaled in the market, with an ease-of-use that will enable us to quickly develop both our new A19 lamp and down light products."

With a single, uniform optical source, compact 22mm x 22mm footprint, and simple 2-screw attachment, the CXA20 array can simplify the manufacturing process for customers who require a single component in their light engine design. When used in a traditional downlight application, luminaires based on the CXA20 are delivering 38 percent more illumination than a 26 watt CFL or a 100 watt incandescent bulb, while consuming a mere 14 watts.

"Cree continues to bring the broadest family of lighting-class LEDs to market, ensuring that lighting applications have optimized LED light sources," said Norbert Hiller, Cree vice president and general manager, LED Components. "For lighting manufacturers seeking Cree lighting-class performance and also looking to simplify the design and manufacturing of their indoor LED lighting, the CXA series of LED arrays can be an ideal solution."

The CXA20 LED array delivers 1050 lumens at 11 watts, or 2000 lumens at 27 watts, with a 3000 K warm white color temperature. Samples are available now with standard lead times with production volumes targeted for late Q1 calendar 2011.

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