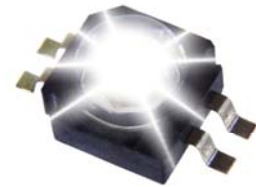


## Press Information

April 24, 2007

### **LUXEON K2 warm and neutral white LEDs offer new lighting possibilities**

San Jose, CA — Philips Lumileds today announced immediate availability of warm-white and neutral-white LUXEON K2 emitters as well as a LUXEON K2 Star part that can be specified with any standard white emitter. The new white colors have typical correlated color temperatures (CCT) of 3000K and 4100K and a color rendering index (CRI) of 80 and 75 respectively. The CCT range for LUXEON K2 now extends from 2670K to 10,000K and a new finer color bin structure allows for better overall selection. Unlike most power LEDs that are limited to 700mA, LUXEON K2 warm white and neutral white LEDs can be run up to 1500mA and a junction temperature of 150°C. The new warm-white and neutral white can deliver more than 130lm and 140lm respectively. LUXEON K2 delivers more usable light at virtually any drive current and junction temperature condition.



“With the increases in light output performance and efficacy, there is expanding demand for power LEDs that deliver the quality of light required for general lighting applications,” said Steve Landau, Director of Marketing Communications. “Designers of residential applications, such as recessed can lights need uniformity, high color rendering and a warm white color temperature at 3000K. In many retail and commercial applications, a cooler temperature of 4100K is desired. With the new binning and phosphor technologies in LUXEON K2, the needs of lighting designers in both markets can be addressed.”

Lighting designers consider several critical “quality of light” factors when evaluating white LEDs: color temperature (CCT), color rendering (CRI) and color uniformity are three of the most important. The new LUXEON K2 parts address CCT and CRI and Philips Lumileds phosphor expertise and technologies ensure the highest degree of color uniformity resulting in white LEDs that are as much as 7 times more uniform than other white power LEDs.



LUXEON K2 Star, like the configuration already available in other LUXEON product families, consists of a white LUXEON K2 emitter mounted onto a metal core pc board (MCPCB). This configuration allows for rapid prototyping and production in a wide range of applications without the need to create custom level 2 boards. LUXEON Star products have been an industry standard for many years and been the configuration of choice for everything from architectural and entertainment lighting to emergency and portable lighting. Complete product information is available on the company's [website](#) and in the LUXEON K2 datasheet also available online.

LUXEON K2 warm-white and neutral-white power LEDs are in-stock and available for immediate delivery from Future Electronics. LUXEON K2 Star is stocked in limited quantities and interested parties should contact [Future Electronics](#) with their specific needs.

### **About Philips Lumileds Lighting Company**

Philips Lumileds Lighting Company pioneered power LED technology and is the world's leading provider of power LEDs for everyday lighting applications. The company's recent records for light output, efficacy and thermal management are direct results of the ongoing commitment to advancing solid-state lighting technology and enabling lighting solutions that are more environmentally friendly, help reduce CO<sub>2</sub> emissions and reduce the need for power plant expansion. Today, Philips Lumileds' LUXEON LEDs are enabling never before possible applications in the automotive, camera flash, display, general lighting and signage markets. More information about the company's products and technologies can be found at [www.philipslumileds.com](http://www.philipslumileds.com).

### **About Royal Philips Electronics**

Royal Philips Electronics of the Netherlands (NYSE: PHG, AEX: PHI) is a global leader in healthcare, lifestyle and technology, delivering products, services and solutions through the brand promise of "sense and simplicity". Headquartered in the Netherlands, Philips employs approximately 121,700 employees in more than 60 countries worldwide. With sales of EUR 27 billion in 2006, the company is a market leader in medical diagnostic imaging and patient monitoring systems, energy efficient lighting solutions, personal care and home appliances, as well as consumer electronics. News from Philips is located at [www.philips.com/newscenter](http://www.philips.com/newscenter).

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