

Press Information

December 4, 2012

Philips Introduces New LUXEON T - Optimized for Maximum Efficacy from a Compact Source

New Offering from Philips Lumileds delivers performance & precise beam control for directional & efficacy driven applications

San Jose, CA – Building on the market-leading innovations of hot testing and *Freedom from Binning™*, Philips Lumileds introduces LUXEON® T, the next generation illumination-grade LED tested and specified at 85°C to ensure in-application performance with tight color control, to within 3-Step MacAdams (SDCM). Optimized for efficacy and supported by the industry-leading forward voltage of 2.7V and the lowest thermal resistance of 3 Kelvin per watt, LUXEON T allows designers to achieve the highest possible system efficacy and the flexibility to reduce the number of emitters, all without compromising on high color rendering (CRI) across the full Correlated Color Temperature (CCT) range from 2700K to 5000K.

“With its high efficacy and luminance, LUXEON T is ideal for directional applications such as MR16 and PAR retrofit lamps,” says Kathleen Hartnett, Product Line Director. “LUXEON T is able to deliver high center beam candle power (CBCP) and precise optical control, which are required to deliver the narrow beams desired for these systems.”

LUXEON T delivers up to 140 lumens per watt at 350 mA, 85°C in neutral white at 5000K 80 CRI minimum from a compact 3.7mm x 3.7mm package. The breakthrough performance of LUXEON T is realized through Philips Lumileds technology leadership—in epitaxial growth delivering leading wall plug efficiency and hot cold factor, new phosphors to enhance conversion efficiency, and package optimization for light extraction and lowest thermal resistance.

LUXEON T is now available in five different CCTs, 2700K, 3000K, 3500K, 4000K and 5000K all specified at high-CRI, 80 minimum. In addition to the market-leading 80 CRI range, LUXEON T is available with 95 typical CRI and exceptional red rendering (R9) of 90, making it ideal for the professional lighting market. To enable system level performance improvements in outdoor and industrial applications including high bay, street and roadway lighting, LUXEON T will be extended to the 70 CRI range in January 2013.

LUXEON T is available from Future Lighting Solutions:
<http://www.futurelightingsolutions.com>.

For further information, please contact:

Kevin Lucido

Philips Lumileds Lighting Co.

Tel: (408) 964-2695

E-mail: Kevin.Lucido@philips.com

About Royal Philips Electronics

Royal Philips Electronics of the Netherlands (NYSE: PHG, AEX: PHI) is a diversified health and well-being company, focused on improving people's lives through timely innovations. As a world leader in healthcare, lifestyle and lighting, Philips integrates technologies and design into people-centric solutions, based on fundamental customer insights and the brand promise of "sense and simplicity." Headquartered in the Netherlands, Philips employs approximately 122,000 employees with sales and services in more than 100 countries worldwide. With sales of EUR 22.6 billion in 2011, the company is a market leader in cardiac care, acute care and home healthcare, energy efficient lighting solutions and new lighting applications, as well as lifestyle products for personal well-being and pleasure with strong leadership positions in male shaving and grooming, portable entertainment and oral healthcare. News from Philips is located at www.philips.com/newscenter.