Press Information

April 23, 2013

Philips LUXEON CoB Array Delivers World-Class Beam Uniformity and Efficacy

*Philips Lumileds latest innovation delivers up to 6000 lumens in the smallest light-emitting surface among chip-on-board solutions for downlights and directional lamps*

**Philadelphia, PA -** Philips Lumileds today introduced the LUXEON CoB (Chip-on-Board) portfolio, the first LED array in the industry to combine exceptional beam uniformity with industry-leading efficacy in the smallest light-emitting surface. The LUXEON CoB family can deliver up to 6000 lumens and reach efficacies of up to 120 lm/W (hot tested) for bright white 80 CRI lights. This makes the LUXEON CoB an ideal choice for high lumen downlights, spotlights and directional lamps. The new LUXEON CoB is being demonstrated this week at the Philips booth at LIGHTFAIR International Tradeshows, April 23-25 in Philadelphia, Pennsylvania (Booth #1401).

Due to its uniform, small light-emitting surface (LES) and world-class efficiency, designers can reduce optical solutions expenses and still achieve higher center-beam candle power (CBCP). In commercial applications such as downlights, uniformity and rotational symmetry are particularly important performance metrics, areas where the LUXEON CoB array excels.

"We engineer our products for optimal light quality and efficacy," explains Eric Senders, Product Line Director of LUXEON CoB products at Philips Lumileds. "The LUXEON CoB is designed to speed time-to-market of solid-state lighting solutions at a lower overall cost, with a smaller footprint, smaller beam angles and higher CBCP."

The LUXEON CoB arrays are hot tested and specified at 85°C and utilize a metal-core printed circuit board (MCPCB) solution. This platform enables better reliability, thermal heat dissipation and handling in LED assembly. Offered initially in four versions with an LES of 9, 13 or 15 mm, the LUXEON CoB arrays deliver up to 6000 lm output.

For more information about LUXEON CoB, please visit the website at [www.philipslumileds.com/LUXEONCoB](http://www.philipslumileds.com/LUXEONCoB)

For further information, please contact:
Silvie Casanova
Philips Lighting North America
Tel: (978) 659-7467
E-mail: Silvie.Casanova@philips.com
About Royal Philips Electronics

Royal Philips Electronics (NYSE: PHG, AEX: PHIA) is a diversified health and well-being company, focused on improving people’s lives through meaningful innovation in the areas of Healthcare, Consumer Lifestyle and Lighting. Headquartered in the Netherlands, Philips posted 2012 sales of EUR 24.8 billion and employs approximately 118,000 employees with sales and services in more than 100 countries. The company is a leader in cardiac care, acute care and home healthcare, energy efficient lighting solutions and new lighting applications, as well as male shaving and grooming, home and portable entertainment and oral healthcare. News from Philips is located at www.philips.com/newscenter.