Press Information

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Philips Lumileds Unveils Most Affordable, Most Efficient LED Arrays for PAR lamps

The new LUXEON CoB 1202 arrays, the company’s latest solutions for PAR38 equivalent lamps and spotlights, deliver the industry’s highest efficacy and lowest cost.

San Jose, CA – Today Philips Lumileds delivers the most affordable chip-on-board (CoB) arrays for PAR38 equivalent lamps, which achieve 10% or greater efficacy than competing solutions. Also ideal for spotlights, LUXEON CoB 1202 has a typical efficacy of 115 lm/W, and it varies from 95-130 lm/W depending on color temperature and CRI of the array.

“The high efficacy, combined with our lineup of compatible reflectors and drivers, enables the most affordable PAR38 and spotlight designs to date,” said Eric Senders, Product Line Director, Philips Lumileds.

The LUXEON CoB 1202 completes the portfolio for PAR lamps. Together with the 1203, these 9 mm Light-Emitting Surface (LES) versions will be the best in price/performance for directional retrofit lamps. Due to the LUXEON CoB 1202’s mechanical and optical compatibility with the LUXEON CoB 1203, you are able to use the same ecosystem to create a high efficient and most cost effective solution.

The performance range of the LUXEON CoB 1202 arrays is 95-130 lm/W and over a CCT range of 2700-5700K at CRI of 70, 80 or >90. Typical output for warm white (3000K, 80 CRI) is 800 lm when driven at 200mA. The warm white arrays can be driven at up to 400mA to achieve a flux of 1500 lumens. The high CRI (>90) versions deliver an R9 of >80 for demanding applications such as retail downlights and spotlights.

For more information on the upgraded LUXEON CoB arrays, visit www.philipslumileds.com/LUXEONCoB. See www.philipslumileds.com/designtools for a listing of compatible driver and optical solutions.

For further information, please contact:
Kevin Lucido
Director of Global Marketing Communications
Philips Lumileds Lighting
+1 650 576 3864
Kevin.Lucido@philips.com
About Royal Philips:

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