Philips Lumileds Debuts LUXEON 3014 Emitter with Hot Color Targeting and New 1/9th Micro Color Binning

The LUXEON 3014 low-power emitter features hot color targeting to ensure ANSI compliance at application conditions. Micro color binning simplifies color selection.

San Jose, CA – Today Philips Lumileds is introducing the LUXEON 3014 low-power emitter for linear and omnidirectional lighting applications such as under cabinet lighting, refrigerator display lighting, troffers, TLEDs and retrofit bulbs. Delivered in a rectangular 3.0x1.4x0.7 mm footprint, the LUXEON 3014 will be the industry’s first low-power LED offered with the advantages of hot color targeting and a 1/9th micro binning structure.

“Traditionally, an LED that performs on a bin edge at room temperature would shift out of the specification at application temperatures, resulting in a different color for the fixture than was intended,” said Michael Howley, Product Manager at Philips Lumileds. Hot color targeting remedies this problem by targeting slightly above the black body locus at room temperature. At application conditions, the color temperature remains within ANSI specifications.

The new 1/9th micro color binning structure enables tighter color control for a given application. “Designers can easily pair different bins to hit a 3/4/5 SDCM color point,” said Howley.

With leading cost effectiveness, the LUXEON 3014 emitter can deliver 10 - 12 lumens of uniform light at 30 mA in neutral white and can be driven as high as 100 mA to reach 33 lm. “The LUXEON 3014 is offered in an industry standard QFN package, allowing compatibility with leading manufacturers’ 3014 designs,” said Howley.

For more information on the product, visit www.philipslumileds.com/LUXEON3014.

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

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