

Press Information

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Philips Launches LUXEON Z ES, the Micro-Mini, High-Power LED

Undomed for precise optical control and 75% smaller, latest LED platform from Philips Lumileds offers highest flux density: gives customers most flexibility in design and best white color consistency in industry

San Jose, CA – Philips' newest high-power emitter, the LUXEON Z ES, offers industry-leading color consistency through a 1-step MacAdam ellipse in warm white color options. With a micro-footprint, undomed design and full spectrum availability, LUXEON Z ES from Philips Lumileds enables high lumen density solutions with precise optical control. In applications such as retail, where superior beam angles and high efficacy are crucial, the illumination-grade emitters help lower costs while offering best in class white light.

LUXEON Z ES is available with below blackbody binning, a key feature required for superior color perception in specialty retail and hospitality applications. It also offers 10-15 percent superior Color over Angle (CoA) over standard domed emitters for higher Quality of Light needs in indoor applications, making it ideal suited for lamps such as GU10, BR30, and A19 lamps. In directional light sources such as an MR16 lamp, the undomed design allows better optical coupling for greater luminance at narrower beam angles and better color consistency than other LED solutions.

"The LUXEON Z ES is a clear example of our commitment to innovation with the industry's first LED platform that combines high luminance in a 1-step MacAdam Ellipse option that offers optical control in the smallest available footprint," said Raj Malhotra, Product Line Manager of the LUXEON Z family. "The micro-footprint of LUXEON Z ES means that manufacturers can use optical solutions that are 25% smaller, yet offer the same light quality that larger, domed solutions can achieve. The LUXEON Z ES will give lighting designers incredible flexibility, reduce costs and become the foundation for light sources of the future."

The LUXEON Z and Z ES emitters are offered over a range of CCTs from 2700K to 6500K with 5-, 3- and a first-ever 1-step MacAdam Ellipse binning option—enabling next generation of high efficiency tunable solutions with a combination of different colors, including white CCTs, lime, blue, PC amber and red. In outdoor applications, where beam angle and high efficacy are key, LUXEON Z ES also shines.

For more information on LUXEON Z ES, please visit:
www.philipslumileds.com/LUXEONZES

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