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Kramer® Lighting Sees Brilliant Results With New LED Technology

KramerLED™ provides a comprehensive line of LED luminaires for indoor applications

Sturtevant, Wis. – (May 24, 2008) Kramer Lighting is launching a new brand, KramerLED, utilizing groundbreaking light emitting diode (LED) technology featuring daylight harvesting, dimming capabilities and superior light control. The patent-pending product line is for commercial indoor lighting. The keys to a high efficiency LED interior luminaire are thermal management and optical control. With its heat pipe technology and patent-pending offset axial optics, KramerLED delivers superior efficiency, performance, and longevity.

“Energy efficiency is a top priority for the lighting industry,” said Kramer Lighting president Al Ruud. “The KramerLED line offers a new ‘green’ option for facilities working toward Leadership in Energy and Environmental Design (LEED) Certification.”

KramerLED uses the new X-Lamp MC-E LED from Cree, Inc., a premier manufacturer of LEDs. The MC-E chip retains the same 7mm x 9mm footprint as the existing XR-E family but with four times the light output. This technology enables new applications, reduces overall system cost, and uses the fewest LEDs within the smallest aperture possible to maximize light output and maintain a 45-degree visual cutoff angle.

KramerLED luminaires provide a significant reduction in energy consumption and overall efficiency with equal or better performance than traditional sources. The line

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2-KramerLED Introduction

also features proprietary NanoOptic™ technology: direct contact refractors sealed to the LED dome. When used in combination with premium optical materials and advanced optical design techniques such as Total Internal Reflection (TIR), NanoOptics provide up to 96 percent optical efficiency.

The concept of TIR occurs when beams of light bounce off a critical angle within the fixture and reflect back to the desired area increasing target zonal efficiency and performance. One example of this efficiency comes from KramerLED linear products. Per linear foot, linear products deliver 1,000 lumens and consume less than 20 watts with a life rating greater than 50,000 hours. These fixtures also feature dimming through zero to 10-volt control.

Energy efficiency combined with no maintenance costs or lamp replacements present KramerLED fixtures as viable alternatives to other traditional lighting sources. The complete KramerLED series includes downlight, adjustable, wall wash, direct, indirect and pendant luminaires.

About KramerLED

KramerLED, a brand of Kramer Lighting, was established to dedicate resources to the emerging use of LED technology for interior applications. Kramer Lighting, a Ruud Lighting company, provides the lighting market with high-quality, specification-grade luminaires for interior lighting applications.

For additional interior LED luminaire information, visit www.KramerLED.com.

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