

LED Engin's Studio White LED emitters enable design of compact, cool, safe and reliable alternatives to HID arc lamps

Daylight color temperature of 5300K with CRI>85 results in bright lighting and natural skin tones

San Jose, CA, USA: April 9, 2013: [LED Engin, Inc.](#), a leader in high lumen density LED products, announces the Studio White range of cool white LED emitters for designers of broadcast and studio lighting. The application demands high CRI in daylight color temperatures to make people look natural under artificial light. This is normally achieved using high intensity discharge (HID) arc lamps. However, such lamps are bulky, run very hot and need high electrical voltages from which to operate, creating potential health and fire hazards. They also suffer from deteriorating performance with age. LED Engin's Studio White emitters allow lighting designers to create fixtures that are smaller, lighter, deliver consistent performance over time, do not get excessively hot and run from safe, low voltages. They feature a daylight color temperature of 5300K, a color rendering index (CRI) of greater than 85 and R9 red content of 50 which results in natural rendering of skin tones and other colors. Standard daylight white LED emitters do not match this performance.

LED Engin offers Studio White emitters in a range of package sizes for different power ratings from 10W to 80W, delivering between 600 and 4400 lumens output. The emitters, based on the company's LuxiGen technology platform, have the lowest thermal resistance per footprint for reliable, high flux density designs in a sleek, small form factor.

LED Engin also offers a complementary range of total internal reflection (TIR) lenses ranging from 9° narrow spot to 50° wide flood beam versions. The compact emitter/ lens combination produces uniform lighting on the target area, smooth beam profiles and minimizes light outside the target area, reducing unwanted glare compared to HID and larger LED array solutions.

David Tahmassebi, President and CEO of LED Engin, comments, "Our Studio White emitters meet the specific color temperature and color quality requirements of general studio lighting to fulfill a need that cannot be met with standard daylight white LEDs.

These new emitters deliver best-in-class flux and color stability over time thanks to our technically advanced LuxiGen platform.”

LED Engin will be demonstrating the new Studio White emitters and TIR lenses at Prolight + Sound, Frankfurt, Germany, April 10-13, 2013, Hall 9.0, F43.

About LED Engin, Inc.

LED Engin, based in California’s Silicon Valley, specializes in ultra-bright, ultra-compact solid state lighting solutions that allow designers and engineers the freedom to create uncompromised yet energy efficient lighting experiences. The company’s LuxiGen™ Platform - an emitter and lens combination or integration module, delivers superior flexibility in light output, ranging from 3W to 90W, a wide spectrum of available colors, including whites, multi-color and UV, and the ability to deliver upwards of 5,000 high quality lumens to a target. The small size combined with powerful output allows for a previously unobtainable freedom of design wherever high flux density, directional light is required.

LED Engin products are sold directly through LED Engin sales channels and its distributors. They are available for immediate sampling. For additional information, or to find a sales representative, please visit: www.LEDEngin.com.