



Luminus Launches High CRI SFT-40 Warm White LEDs for Precision Lighting Applications

Sunnyvale, CA, October 17, 2024 — [Luminus Devices](#), a pioneer in advanced lighting technology, is excited to introduce its newest innovation, the High CRI SFT-40 High Power Warm White LEDs, engineered to elevate the standard in precision lighting, efficiency, and color accuracy. This latest product is designed for professionals seeking high-performance lighting solutions with superior color rendering, especially for applications where light quality is paramount.

Unparalleled Performance for Critical Applications

The SFT-40 High Power Warm White LEDs offer a combination of advanced features, making them the perfect fit for a range of demanding lighting environments, including:

- **Stadium lighting, torch lights and architectural lighting**
- **Indoor directional lighting** such as track lights, spotlights, task lighting, and wall washers
- **Rechargeable high CRI warm white lanterns** for home use
- **Surgical lighting**, where accurate color rendering, especially for reds (high R9 values), is essential
- **Broadcast, stage, and studio lighting**, combining high quality of light with narrow beam spot optical systems

Key Features and Benefits:

- **High Color Rendering Index (CRI > 95)** with exceptional R9 (R9 > 50) values, providing superior red color rendering that ensures illuminated spaces, furnishings, and even people and food appear in true-to-life colors.
- **Warm White Color Temperatures (2700K and 3000K)** designed to enhance eye comfort, reduce eye strain, and improve overall well-being with minimal blue light, promoting better sleep and eye health.
- **High Flux (400 lumens at 1.5A/90 CRI/50 R9/Tj=85°C)** from a single LED with over 100 lm/W efficacy, delivering powerful lighting output while maintaining a compact and aesthetically appealing fixture design.
- **High Power (900+ lumens at 4A / 13W)**, ideal for small optics and fixtures where performance and precision matter.
- **Flat Top LED Package**, offering higher optical shaping efficiency, resulting in up to 50% more beam intensity in narrow angles, making it perfect for high-performance directional lighting in small form factor applications where single digit degree viewing angles are required.

Revolutionary Technology for Enhanced Lighting Experiences

The SFT-40 utilizes vertical chip technology for high lumen density and small emitting angles, enabling superior beam control and long beam distances. Its phosphor-on-chip technology ensures uniform color distribution across radiation angles, delivering homogeneous and consistent light in any setting. "We are thrilled to launch the SFT-40 LED series, a product designed to provide precision, efficiency, and exceptional color quality," said Yves Bertic, Senior Business Line Director at Luminus Devices. "With its advanced features, the SFT-40 is ideal for professionals who need high-performing lighting solutions that demand accurate, warm white light." For more information about the SFT-40 High Power Warm White LEDs, please visit www.luminus.com/products/white or contact our sales team at sales@luminus.com.

About Luminus Devices

Luminus Devices develops and markets solid-state lighting solutions (SSL) to help its customers migrate from conventional lamp technologies to long-life and energy-efficient LED illumination. Combining technology originated from the Massachusetts Institute of Technology (MIT) with innovation from Silicon Valley, Luminus offers a comprehensive range of LED and laser solutions for global lighting markets as well as high-output specialty lighting solutions for performance-driven markets including consumer displays, entertainment lighting and medical applications. Luminus is headquartered in Sunnyvale, California. For additional information please visit <http://www.luminus.com>.

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