



NEWS RELEASE

Cree LED Announces Fourth Gen XLamp XP-G Product Family

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XP-G4 delivers superior performance leveraging the latest in LED technology

DURHAM, N.C.--(BUSINESS WIRE)-- **Cree LED**, an **SGH** company (Nasdaq: **SGH**), today unveiled the fourth generation of its industry-leading XLamp® XP-G product family. With more than two billion XP-G LEDs shipped to date, the highly anticipated XP-G4 incorporates the latest advancements in high-power LED technology for improved optical performance while delivering leading efficacy. The XP-G4 also boasts a maximum drive current of 3000 mA, which is a first for the XP-G family of LEDs.

The industry's best high-power LED just got better with the announcement of Cree LED's fourth generation XLamp XP-G family of LED products. (Graphic: Business Wire)

The fourth generation of XP-G products introduces an optimized optical profile

designed to maximize on-axis light output and yield substantial improvements over the previous XP-G3 LEDs. These enhancements include a smaller light emitting surface (LES) and up to 69% higher intensity, resulting in tighter beam angles and higher candela. The XP-G4 delivers exceptional color-over-angle performance and a 70 degree cutoff which dramatically improves coupling efficiency with secondary optics compared to all competing high-power LEDs.

"We are excited to launch the next generation of our industry-leading XP-G family of products. This fourth generation offers a remarkable 41% increase in maximum light output compared to XP-G3 Standard, reaching a maximum of 1,130 lumens," said Joe Clark, president of Cree LED. "This notable performance combined with the latest optical system delivers a 'no compromise' solution for both new and existing systems alike."

Todd Ernst, vice president product at COAST Products, a Cree LED customer, added, "COAST has a 100+ year history

of product innovation. As we design our next generation of portable lighting products, we will use Cree LED's new XP-G4 LED based on its clear product advantages. This new LED family offers both higher intensity and higher maximum current in the familiar XP-G footprint, allowing us to improve the performance of our products."

The latest generation of XP-G products is optimized for a wide range of both indoor and outdoor directional lighting applications requiring precise light control, good color over angle and long-term reliability. The new XP-G generation is available in correlated color temperatures (CCTs) ranging from 1800K to 6500K and color rendering index (CRI), including 70, 80 and 90 CRI. Additionally, broadcast color options featuring Television Lighting Consistency Index (TLCI) will also be offered.

Product samples are available now and production quantities are available with standard lead times. To learn more about Cree LED's XPG LEDs, visit: **www.cree-led.com/xp-g4**.

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About Cree LED

Cree LED offers one of the industry's broadest portfolios of application-optimized LED chips and components, leading the industry in performance and reliability. Our team delivers best-in-class technology and breakthrough solutions for focused applications in high power and mid-power general lighting, specialty lighting and video screens. With more than thirty years of experience, Cree LED develops products backed by expert design assistance, superior sales support and industry-best global customer service. For more information, visit **www.cree-led.com**.

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