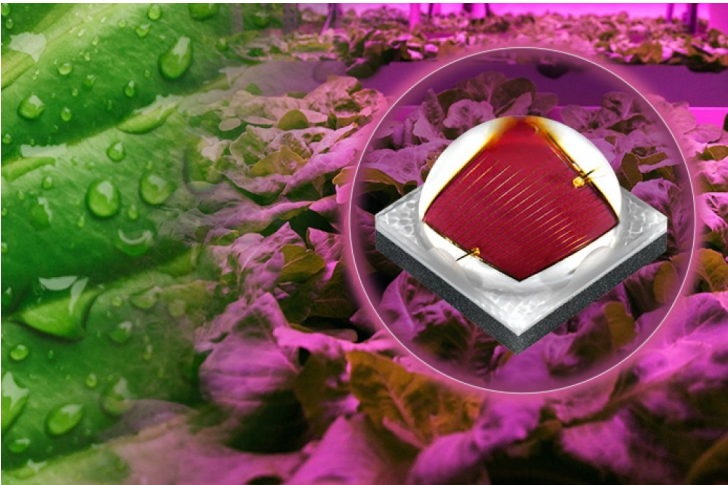


## Cree LED launches XLamp XP-L Photo Red S Line LEDs in the horticulture market

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Penguin Solutions' Cree LED® brand introduced the XLamp® XP-L Photo Red S Line LEDs, a revolutionary advancement in horticulture lighting. Designed to deliver exceptional efficiency, exceptional durability and seamless system upgrades, these LEDs are optimized for high-performance applications in greenhouses, vertical farms, and other large-scale growing operations.

The XP-L Photo Red S Line LEDs represent a 6% improvement in typical Wall-Plug Efficiency (WPE) over the previous generation, reaching 83.5% at 700 mA and 25°C. This improvement offers compelling cost benefits for horticulture customers. They can reduce operating costs by upgrading to the same output with less power consumption or lower initial costs with a redesign that reduces the necessary number of Photo Red LEDs by up to 35%.

Built with advanced S Line technology, Cree LED's XP-L Photo Red LEDs deliver top-tier sulfur and corrosion resistance, extending their lifespan and ensuring reliable performance. These features significantly reduce maintenance costs while providing consistent, high-quality lighting throughout critical growth cycles. Additionally, with the same 3.45 x 3.45 mm XP footprint as the XP-G3 Photo Red S Line LEDs, the XP-L Photo Red enables seamless upgrades to existing designs.

“Our new XP-L Photo Red S Line LEDs combine the efficiency and durability our customers demand with our popular XP package design for ease of adoption,” said Joe Clark, president, Cree LED. “Along with our extensive portfolio of optimized solutions, these LEDs are an ideal choice for many horticulture lighting applications.”