

## **Custom Nozzles Intended for CREE XLamp XP-E High-Efficiency LED Components**



Count On Tools introduces its new series of Custom SMT Pick-and-Place Nozzles for CREE XLamp XP-E high-efficiency white (HEW) LED components. The new series is manufacturer-approved, based on CREE Inc.'s strict requirements and specifications.

By working closely with component manufacturers, Count On Tools guarantees secure picking of all fragile components and accurate placement on the circuit board. The company's line of custom SMT nozzles was developed especially for CREE XLamp XP-E HEW LEDs. According to CREE, the XLamp XP-E HEW LEDs upgrade the XLamp XP-E to leading performance levels for diffuse lighting applications. XP-E HEW is designed to enable faster adoption of LED light in cost-sensitive, consumer lighting products. Compared to the standard XLamp XP-E, XP-E HEW can reduce LED count by 50 percent while still delivering the same system performance.

CREE LEDs are unique because they require special handling operations to prevent damage to the optical lens. Count On Tools' SMT nozzles for CREE LEDs are designed to avoid placing mechanical stress on the LED lens by not touching the optical surface during component picking or placement processes. This eliminates the possibility of degraded performance from the LED after the circuit board is assembled.

Joshua Markle, Applications Technical Associate for CREE Inc., commented, "I have been working with Count On Tools for the past year and, in this time, they have gone above and beyond our expectations with the construction of the pick-and-place tooling that CREE recommends in our documentation. CREE is a leader in the

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Published on Electronic Component News (<http://www.ecnmag.com>)

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manufacture of LEDs for the solid state lighting industry. We have released multiple products in the past year and Count on Tools has helped to provide a proper pick-and-place tool to be used with CREE products. They have provided outstanding service with an amazing turnaround time during the development of the tooling. I would recommend the work that Count On Tools provides to anyone looking for a quality pick-and-place tool with knowledgeable, friendly and expedient service.”

Count On Tools’ custom SMT nozzle designs for CREE LEDs can be applied to any style of pick-and-place nozzle for any OEM or machine type. Additionally, Count On Tools generally can provide a finished nozzle within three to five days and save customers up to 50 percent over OEM designs for custom nozzles. Some nozzle designs even can be made the same day with the company’s existing nozzle tip selection straight off-the-shelf. There are no design fees, and Count On Tools provides free quotes based on the equipment and type of LED being placed.

All nozzles are guaranteed to function properly with the original equipment. Every nozzle manufactured by Count On Tools comes standard with a 100 percent satisfaction guarantee. If any customer is not 100 percent satisfied with the performance or quality of a product, Count On Tools will replace it or offer a full refund.

For more information about Count On Tools’ new Custom SMT Pick-and-Place Nozzles for CREE XLamp XP-E High Efficiency White (HEW) LED components, visit [www.cotinc.com](http://www.cotinc.com) [1]

### Source URL (retrieved on 04/18/2015 - 5:17pm):

<http://www.ecnmag.com/products/2011/11/custom-nozzles-intended-cree-xlamp-xp-e-high-efficiency-led-components>

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[1] <http://www.cotinc.com>