

XLamp® XP-C LED Product Change Notification

Customer Name: XP-C LED Customers

PCN Reference Number: CreeLED-PCN-5261

Date Issued: December 1, 2021

Please be advised that Cree LED is updating the XLamp® XP-C Red and XP-C Red-Orange LED product with changes to the performance characteristics.

Please review the additional PCN information below.

Affected Product

Table 1 provides a list of products affected by this change:

Table 1 Affected Products List

Cree LED XLamp Family	Cree LED XLamp Product	Cree LED Part Number
XP-C	Red	XPCRED-L1-XXXX-XXXXX
	Red-Orange	XPCRDO-L1-XXXX-XXXXX

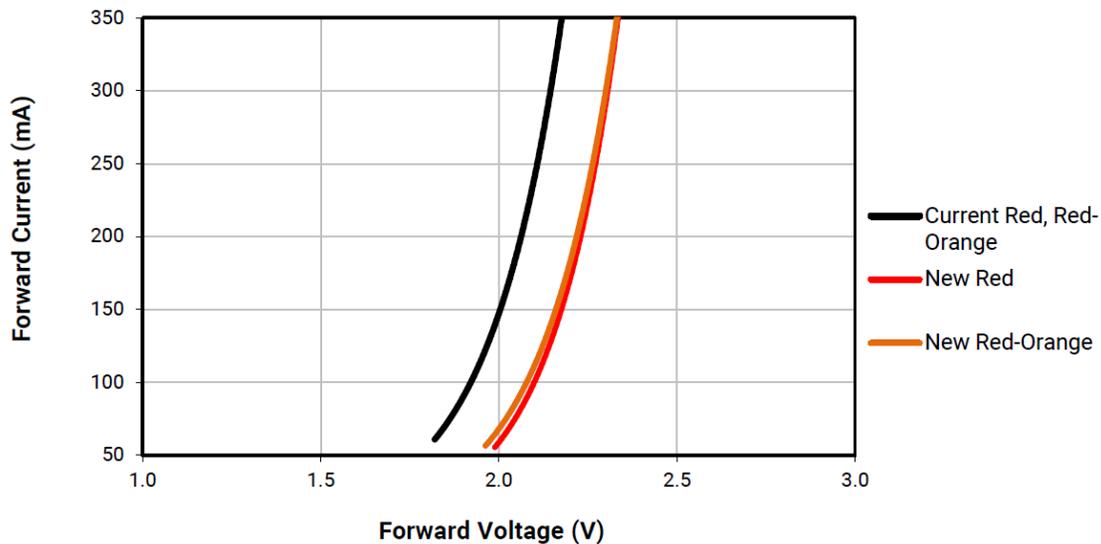
Description of the Change

Cree LED will be changing the typical forward voltage for XP-C Red and XP-C Red-Orange LEDs. Table 2 shows the current and new values.

Table 2 LED Product Characteristics; Current Values & Estimated New Values

	Current Typical	New Typical
Forward Voltage	2.2V @ 350mA, 25°C	2.3V @ 350mA, 25°C

The following graph shows the changed Forward Voltage vs Current curves.



Ray files for the new LEDs will be available on cree-led.com on or before 90 days from the PCN issue date, at the Documentation tab at the following address:

<https://cree-led.com/products/xlamp-leds-discrete/xlamp-xp-c>

The ray files for the new LEDs will be posted using the following link titles:

- XP-C Post PCN CreeLED-PCN-5261 Red Optical Source Model – ProSource 8 (zip)
- XP-C Post PCN CreeLED-PCN-5261 Red-Orange Optical Source Model – ProSource 8 (zip)

Reason for the Change

This change is being made to utilize the latest technology and improve product performance.

Change Impact on Form, Fit, Function, or Reliability

This change has no impact on the form, fit, or reliability of these LEDs beyond the changes listed above.

Key Dates

Table 3 provides estimated date for initial shipments of the LEDs affected by this change. Any updates to these dates can be provided by the Cree LED contact listed in Table 3.

Table 3 Key PCN Estimated Dates

Estimated Initial Ship Date:	90 days from CN Issue Date
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Starting on the estimated shipment date in Table 3, customers may receive LEDs with the updated performance characteristics. Each reel will contain only LEDs with the current performance or only LEDs with the new performance characteristics. Reels of the new performance LEDs can be identified by a '2' in the last character of the bin code. The bin code is clearly identified on each packaged reel.

Customers may receive shipments containing both the current and new performance LEDs in the same shipment until Cree LED's inventory of the current performance LEDs is depleted. Customers purchasing through a distributor will be further delayed seeing this change until the inventory with the current performance is depleted from distributor stock.

The XP-C LED datasheet available at <https://cree-led.com/media/documents/XLampXPC.pdf> will be updated with changes described in this PCN on or before the Estimated Initial Ship Date in Table 3.

Cree LED Contact Information

If you have any questions regarding this PCN please contact:

Table 4 PCN Contact

Contact:	Cree LED Customer Service
Contact E-Mail:	xlampsales@cree-led.com
Contact Phone:	US toll free: 1-844-273-3533 Outside the US: +1 919-313-5301
Address:	CreeLED, Inc. 4400 Silicon Dr. Durham, NC 27703-8475 USA