

XP-C Amber Product Change Notification

Customer Name: XP-C Amber LED Customers

PCN Reference Number: PCN-06040

Date Issued: October 9, 2023

This PCN is to advise that Cree LED is updating the XLamp® XP-C Amber product with changes to both performance and visual characteristics of the product. Please review the additional PCN information below.

Affected Product

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

Table 1 Affected Product List

Cree LED XLamp Family	Cree LED XLamp Product	Cree LED Part Number
XP-C	Amber	XPCAMB-L1-XXXX-XXXXX

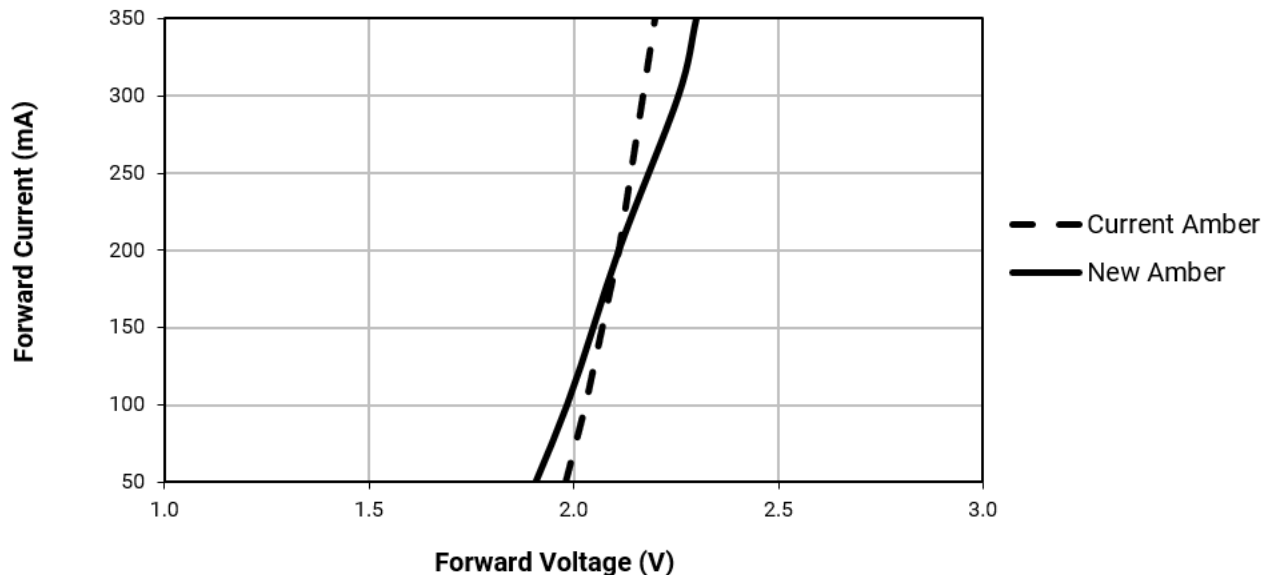
Description of the Change

Cree LED will be changing the typical temperature coefficient of voltage and the typical forward voltage for XP-C Amber. Table 2 shows the current and new values.

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

Characteristic	Current Typical	New Typical
Temperature Coefficient of Voltage	-2	-1
Forward Voltage	2.2 V @ 350 mA, 25 °C	2.3 V @ 350 mA, 25 °C

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



The visual appearance of the LED will change. Examples of the current and new visual appearance are shown below.

Figure 1 XP-C Amber Appearance Comparison



Ray files for the new LEDs will be available on cree-led.com on or before January 8, 2024.

Reason for the Change

This change is being made to improve product performance and enable better manufacturing supportability.

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:	January 8, 2024
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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 data sheet on the Cree LED website 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:	CS@cree-led.com
Contact Phone:	US toll free: 1-844-273-3533 Outside the US: +1 919-313-5301
Address:	Cree LED, Inc. 4001 E Hwy 54, Suite 2000 Durham, NC 27709 USA