

Cree LED™ XLamp® XP-E2 Torch Product Change Notification

Customer Name: XP-E2 Torch Customers

PCN Reference Number: CreeLED-PCN-5144

Date Issued:

April 21, 2021

Please be advised that Cree LED is making improvements to the voltage characteristics of XLamp XP-E2 Torch LEDs.

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 Part Number
XPEBTT-xx-xxxx-xxxxx

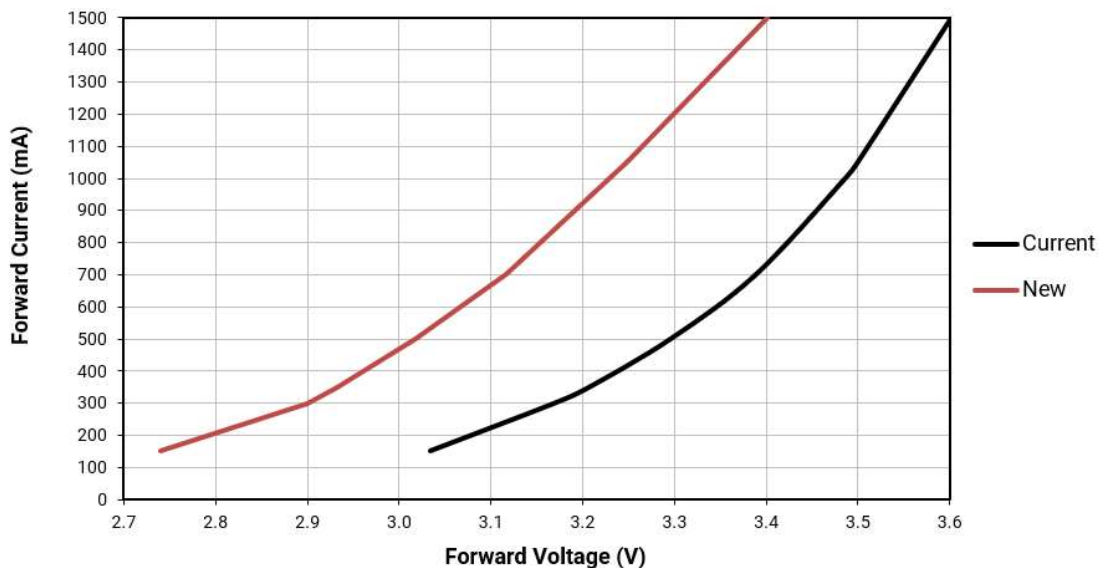
Description of the Change

Cree LED will be changing the typical forward voltage, temperature coefficient of voltage and thermal resistance characteristics for XP-E2 Torch LEDs. Table 2 shows the current and new values.

Table 2 Current and New Values

LED	Typical Forward Voltage (V @ 1050 mA, 25 °C)		Temperature Coefficient of Voltage (mV/°C)		Thermal Resistance (°C/W)	
	Current	New	Current	New	Current	New
XP-E2 Torch	3.50	3.25	-3.9	-1.5	9	10

The following graph shows the improved Forward Voltage vs. Current curve.



Reason for the Change

This change is being made to deliver performance improvements to our customers.

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 an estimated date for the first shipments of LED product affected by this change.

Table 3 Estimated Initial Shipment Date

Estimated Initial Ship Date:	July 20, 2021
-------------------------------------	----------------------

Starting on the estimated shipment date in Table 3, customers may receive LEDs with the improved characteristics. Each reel will only contain LEDs with the current or new performance characteristics.

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 may experience delays receiving LEDs with new performance characteristics.

Reels of new performance XP-E2 Torch LEDs can be identified by an "8" in the last character of the bin code. The bin code is clearly identified on each packaged reel.

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