

## Cree® XLamp® XB-H LED Product Change Notification

**Customer Name:** XB-H Customers

**PCN Reference Number:** CREE-PCN-1225

**Date Issued:** December 9, 2020

Please be advised that Cree is making improvements to the voltage characteristics of XLamp® XB-H LEDs.

Please review the additional PCN information below.

### Affected Product

Table 1 shows the product affected by this change.

*Table 1 Affected Products List*

Cree Part Number
XBHAWT-xx-xxxx-xxxxxxxxxx

### Description of the Change

Cree will be changing the typical forward voltage and temperature coefficient of voltage characteristics for XB-H LEDs.

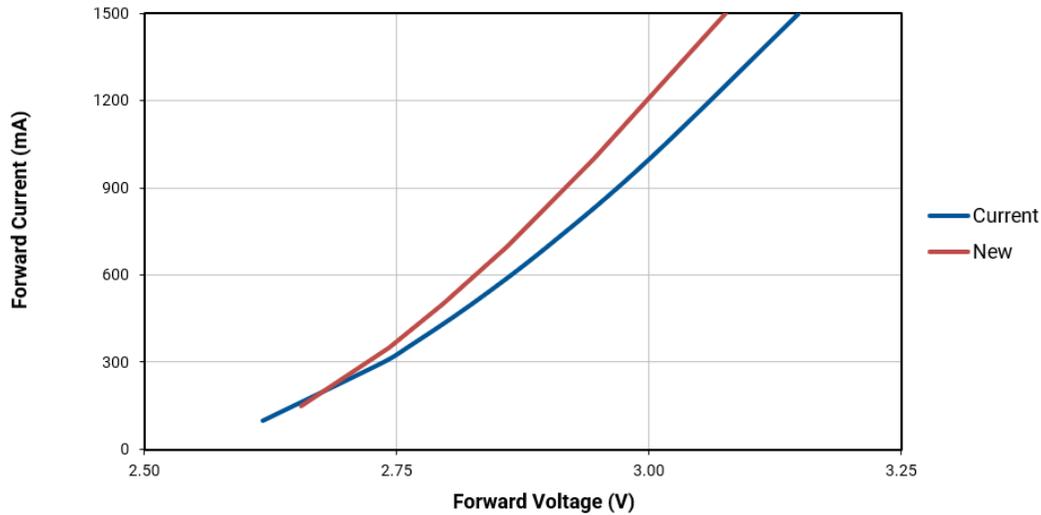
Table 2 shows the current and new values.

*Table 2 Current and New Values*

LED	Forward Voltage		Temperature Coefficient of Voltage	
	Current	New	Current	New
XB-H	2.9 V @ 700 mA, 85 °C	2.86 V @ 700 mA, 85 °C	-2.2 mV/°C	-1.3 mV/°C

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

**XB-H**



**Reason for the Change**

This change is being made to improve performance for 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 estimated dates for initial shipments of the LED affected by this change.

*Table 3 Estimated Initial Shipment Dates*

XB-H	March 1, 2021
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Starting on the estimated shipment dates in Table 3, customers **may** receive LEDs with the improved characteristics. Each reel will contain only LEDs with the current performance or only LEDs with the new performance characteristics. Reels of new performance XB-H LEDs can be identified by a “1” in the fourteenth alphanumeric 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’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.

## Cree Contact Information

If you have any questions regarding this PCN please contact:

*Table 4 PCN Contact*

<b>Cree Contact:</b>	LEDs Customer Service
<b>Cree Contact E-Mail:</b>	<a href="mailto:xlampsales@cree.com">xlampsales@cree.com</a>
<b>Address:</b>	4600 Silicon Dr. Durham, NC 27703 USA