

## Cree® XLamp® MHB-B LED Product Change Notification

**Customer Name:** MHB-B customers

**PCN Reference Number:** CREE-PCN-0918

**Date Issued:** December 12, 2019

Please be advised that Cree is making improvements to the voltage characteristics of XLamp® MHB-B 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 Part Number
MHBBWT-xxxx-xxxxxxxxxxxx

### Description of the Change

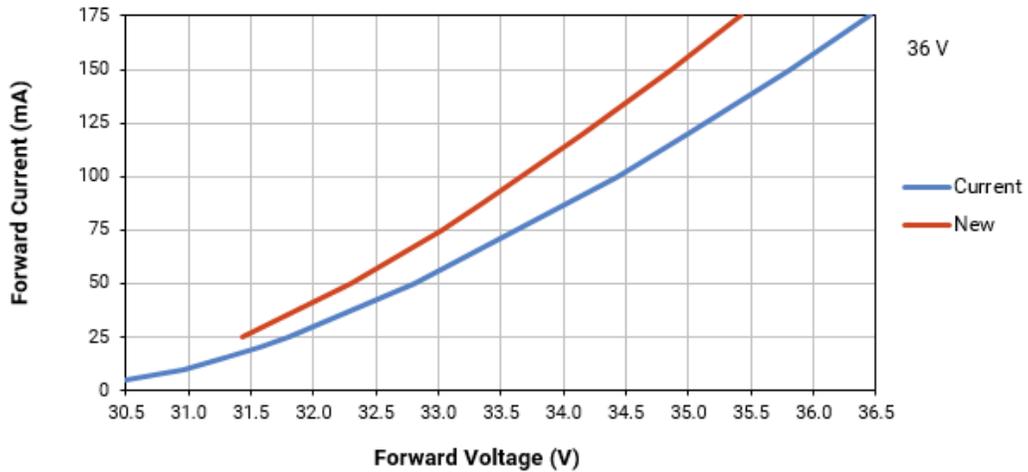
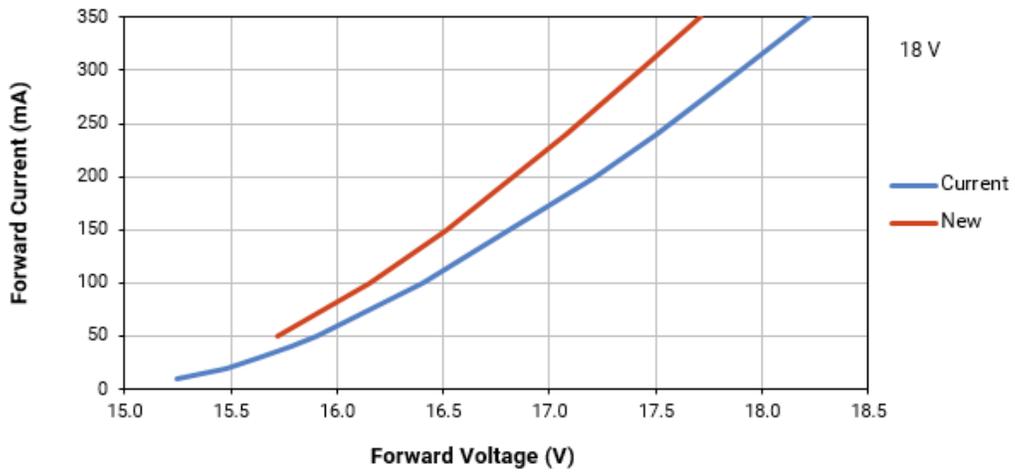
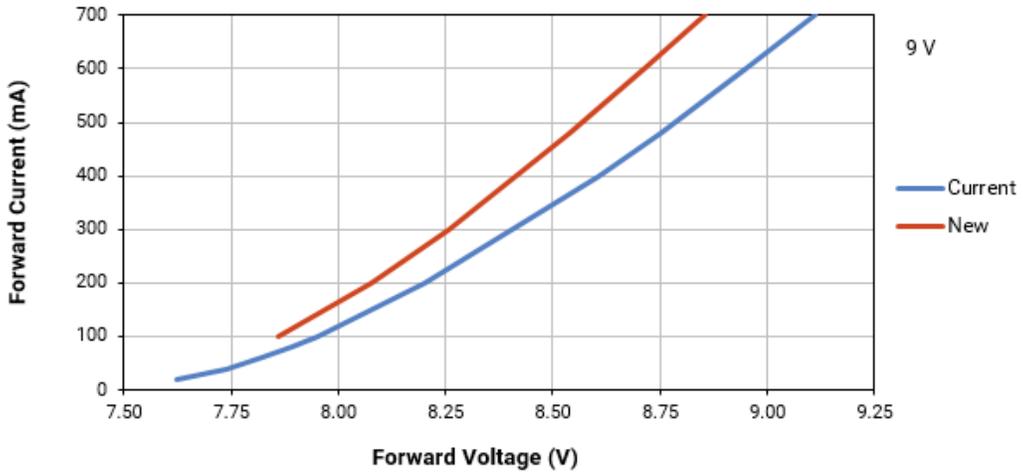
Cree will be changing the typical forward voltage for MHB-B LEDs. Table 2 shows the current and new values.

*Table 2 Current and New Values*

LED	Typical Forward Voltage	
	Current	New
MHB-B 9 V	8.75 V @480 mA, 85 °C	8.54 V @480 mA, 85 °C
MHB-B 18 V	17.5 V @240 mA, 85 °C	17.1 V @240 mA, 85 °C
MHB-B 36 V	35 V @120 mA, 85 °C	34.2 V @120 mA, 85 °C

The following graphs show the improved forward voltage vs. current curves.

MHB-B



### 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 LEDs affected by this change.

*Table 3 Estimated Initial Shipment Dates*

MHB-B	November 4, 2019
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Starting on the estimated shipment date 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.

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>	xlampsales@cree.com
<b>Address:</b>	4600 Silicon Dr. Durham, NC 27703