

Cree® XLamp® XHP35.2 LED Product Change Notification

Customer Name: XHP35.2 Customers

PCN Reference Number: CREE-PCN-1253

Date Issued: January 7, 2021

Please be advised that Cree is making changes to the voltage characteristics and modifying the ESD die configuration of both XLamp® XHP35.2 High Density and XHP35.2 High Intensity LEDs. In addition, Cree is changing the polarity indicator of XLamp XHP35.2 High Density LEDs.

Please review the additional PCN information below.

Affected Product

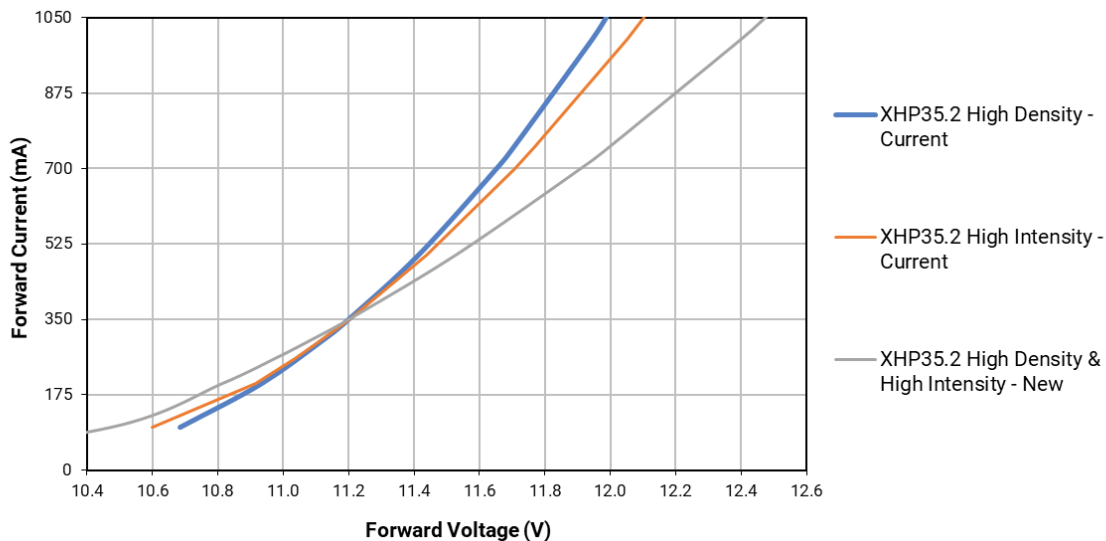
Table 1 shows the product affected by this change.

Table 1 Affected Products List

Cree Part Numbers
XHP35B-0x-xxxx-xxxxxxxxx (High Density)
XHP35B-Hx-xxxx-xxxxxxxxx (High Intensity)

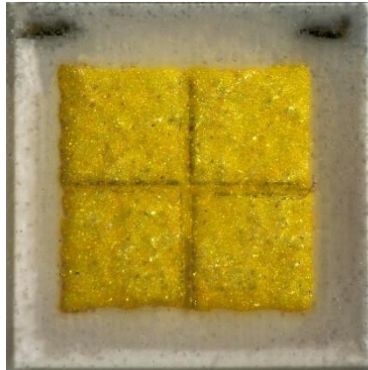
Description of the Change

Cree will be changing the voltage characteristics for XLamp XHP35.2 High Density and XHP35.2 High Intensity LEDs. The following graph shows the updated Forward Voltage vs. Current curve.

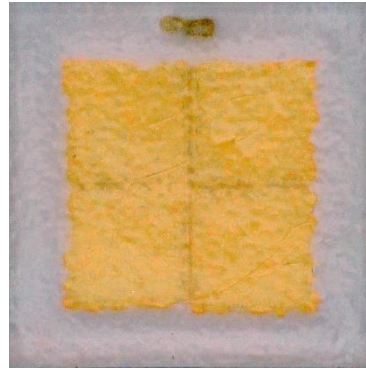


Cree will be changing the ESD die configuration inside both the XLamp XHP35.2 High Density and XHP35.2 High Intensity LEDs. The change is shown in the photos of the High Intensity version below.

Current (2 ESD die)

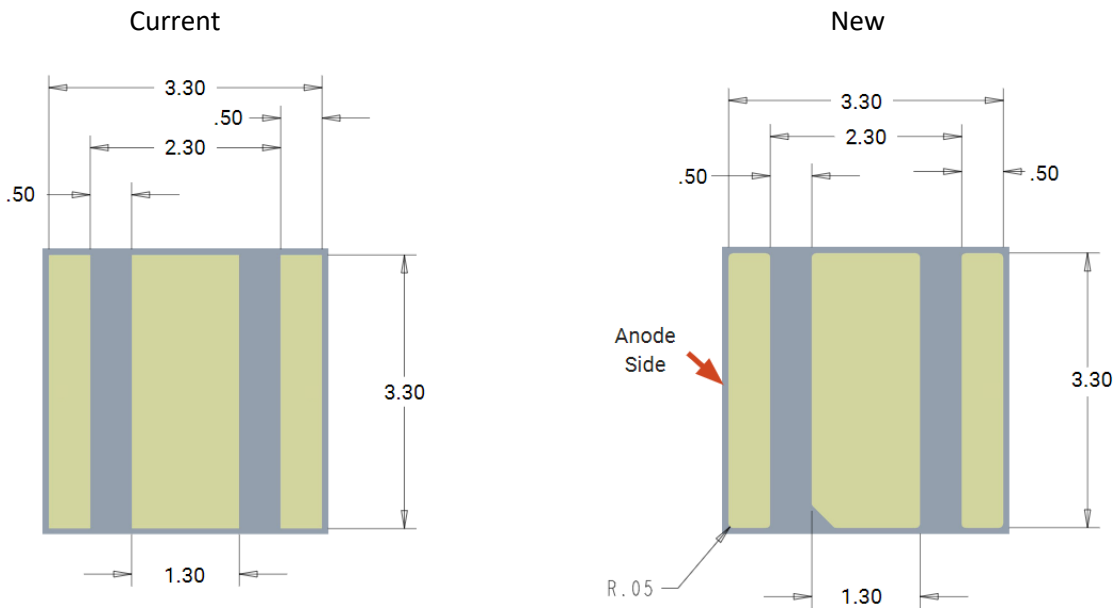


New (1 ESD die)



Cree will also be changing the polarity indicator for XHP35.2 High Density LEDs from a top-side circle marking the cathode side to a bottom-side notch in the thermal pad. This new polarity indicator for XHP35.2 High Density is the same design used on the XHP35.2 High Intensity.

The current and new bottom-side designs for XHP35.2 High Density are shown below.



Reason for the Change

The voltage and ESD die changes are being made to improve lead times and manufacturability. The polarity indicator change is being made to make it easier to identify the LED’s polarity.

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

XHP35.2 High Density XHP35.2 High Intensity	January 7, 2021
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Starting on the estimated shipment dates in Table 3, customers **may** receive LEDs with the updated characteristics. Each reel will contain only LEDs with the current performance or only LEDs with the new performance characteristics. Current performance LEDs can be identified by a “1” in the last character of the bin code, with new performance LEDs having a different character.

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

Cree Contact:	LEDs Customer Service
Cree Contact E-Mail:	xlampsales@cree.com
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