

Cree® C566D/Q566D/Q5SMF Green & Blue LED Product Change Notification

Customer Name: C566D/Q566D/Q5SMF
Green & Blue LED customers

PCN Reference Number: PCN-LED-0477
Date Issued: 1/4/2018

Please be advised that Cree has qualified a Minor change to C566D, Q566D and Q5SMF Green and Blue LEDs and that Cree began shipping the affected product with the change December 1, 2017.

Please review the additional PCN information below.

Affected Product

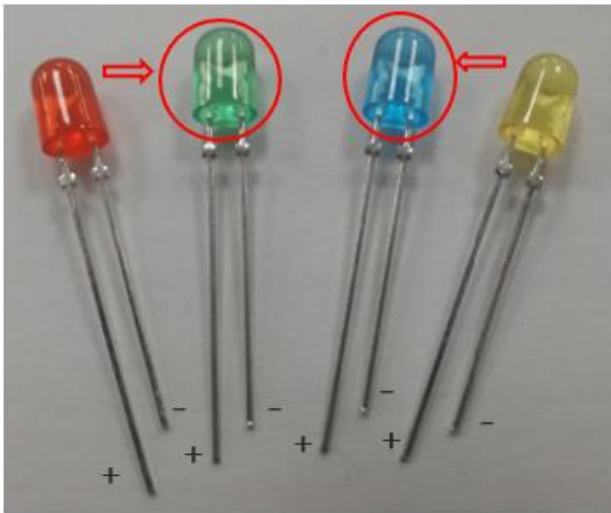
Table 1 Affected Products List

Cree Part Number	Customer Part Number
C566D-GFF-xxxxxxx	
C566D-GFE-xxxxxxx	
C566D-BFF-xxxxxxx	
C566D-BFE-xxxxxxx	
Q566D-GFF-xxxxxxx	
Q566D-GFE-xxxxxxx	
Q566D-BFF-xxxxxxx	
Q566D-BFE-xxxxxxx	
Q5SMF-BJE-xxxxxxx	
Q5SMF-BJF-xxxxxxx	
Q5SMF-GJE-xxxxxxx	
Q5SMF-GJF-xxxxxxx	

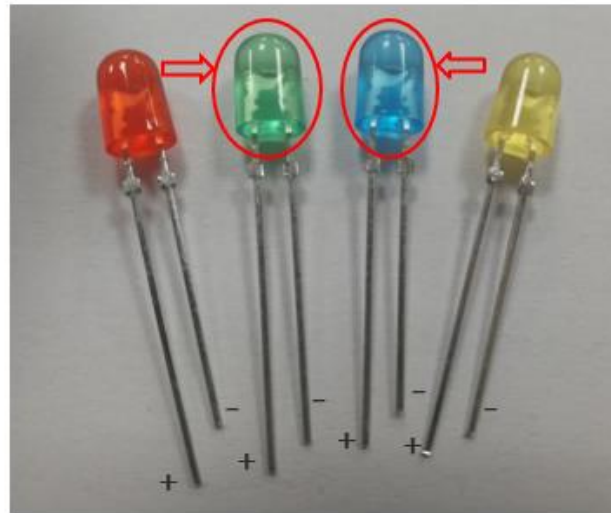
Description of the Change

The polarity of the leads of C566D, Q566D and Q5SMF Green and Blue LEDs has changed. The reflector lead was on cathode (-) side before the change. The reflector lead is on anode (+) side after the change. The polarity shown on the data sheet is unchanged. The long lead is the anode. The short lead is the cathode. The lens shape of C566D and Q566D Green and Blue LEDs has not changed. The lens shape of Q5SMF Green and Blue LEDs has changed; the dimension of the lens has not changed. FFPs are not affected. Please refer to the latest data sheet on www.cree.com.

1. The pictures below show the change on the lead reflector of C566D and Q566D Green and Blue LEDs.



Before change

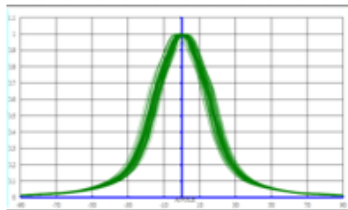
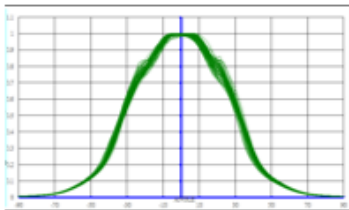


After change

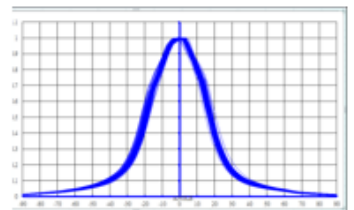
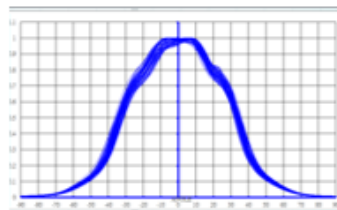
2. The pictures below show the C566D and Q566D Green and Blue LEDs' FFP before and after the change.

C566D and Q566D Green

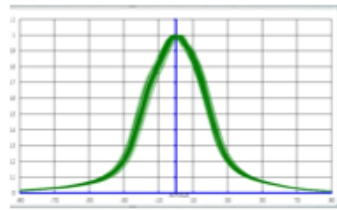
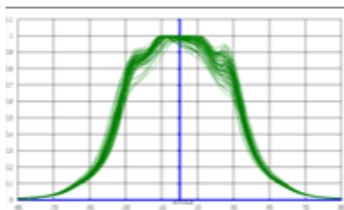
C566D and Q566D Blue



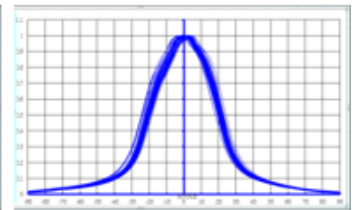
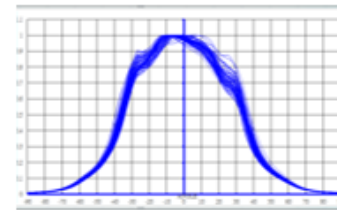
Before change



Before change

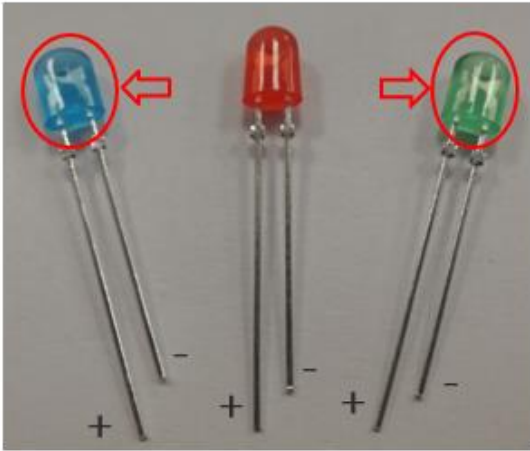


After change

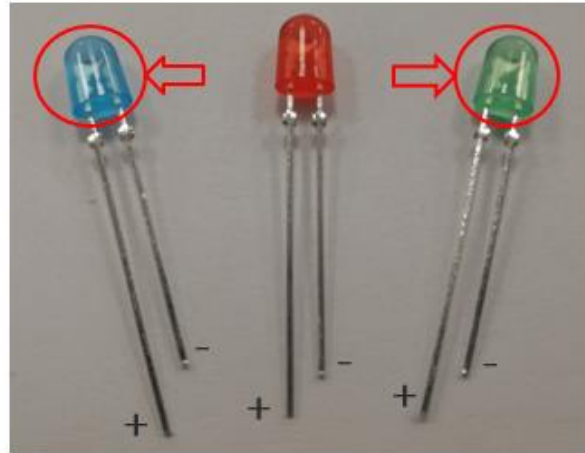


After change

3. The pictures below show the change on the lead reflector of Q5SMF Green and Blue LEDs.



Before change

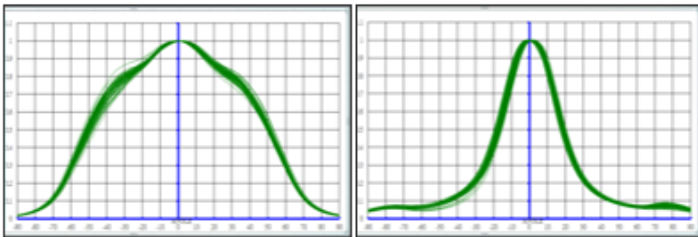


After change

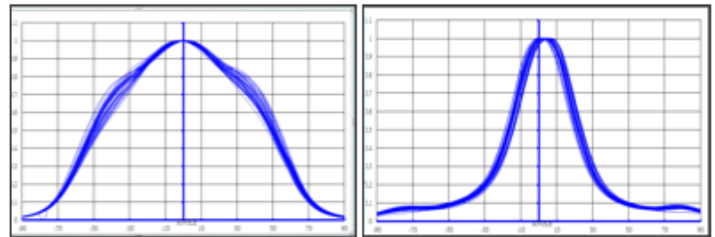
4. The pictures below show the Q5SMF Green and Blue LEDs' FFP before and after the change.

Q5SMF-Green

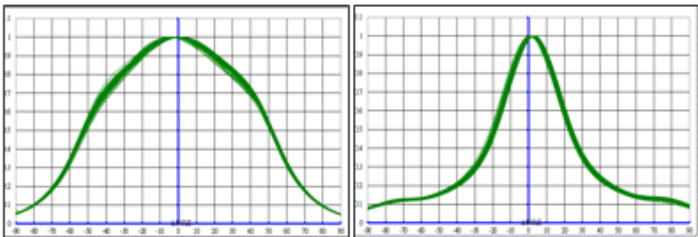
Q5SMF-Blue



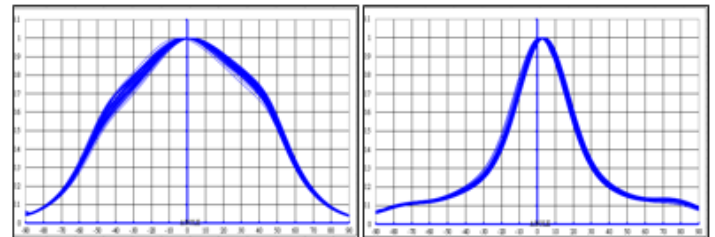
Before change



Before change



After change



After change

Reason for the Change

This change makes the polarity of the green and blue lead reflectors consistent with the polarity of the red lead reflector.

Change Impact on Form, Fit, Function, or Reliability

No customer action required.

Cree Contact Information

If you have any questions regarding this PCN please contact:

Table 2 PCN Contact

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