

Change to Thermal Pad Design of XLamp® XB-D LEDs

PCN-CM030

Announcement Date: December 3, 2012

Implementation Date: Immediately (White, Royal Blue, Blue, Green)

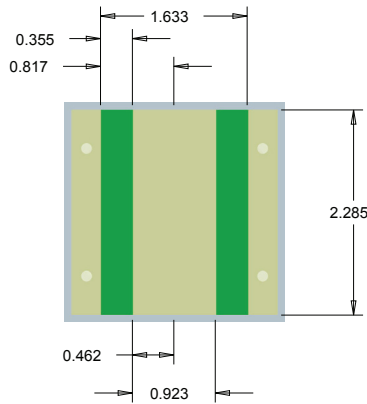
Implementation Date: January 1, 2013 (Amber, Red-Orange, Red)

This notification applies to the following Cree order codes:

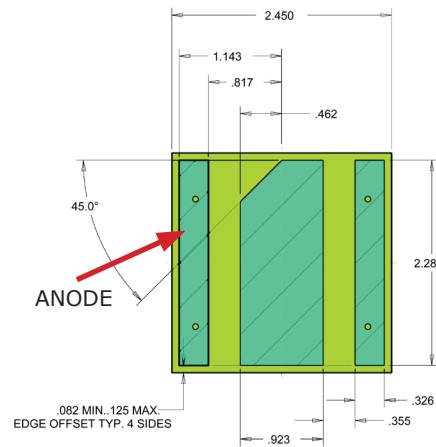
XBDAWT-xx-xxxx-xxxxxxxxxx	XLamp XB-D White LEDs
XBDROY-xx-xxxx-xxxxxxxxxx	XLamp XB-D Royal Blue LEDs
XBDBLU-xx-xxxx-xxxxxxxxxx	XLamp XB-D Blue LEDs
XBDGRN-xx-xxxx-xxxxxxxxxx	XLamp XB-D Green LEDs
XBDAMB-xx-xxxx-xxxxxxxxxx	XLamp XB-D Amber LEDs
XBDRDO-xx-xxxx-xxxxxxxxxx	XLamp XB-D Red-Orange LEDs
XBDRED-xx-xxxx-xxxxxxxxxx	XLamp XB-D Red LEDs

CHANGE DESCRIPTION

Cree will begin shipment of XLamp XB-D LEDs with a modified thermal pad on the bottom of the package. This change will aid in identifying the anode and cathode of the package. The old and new mechanical drawings for the bottom of the XLamp XB-D package are shown below. These new design XLamp XB-D LEDs meet all the product specifications stated in their respective data sheets.



Current Thermal Pad



New Thermal Pad

IMPACT OF CHANGE

Beginning December 3, 2012, customers may begin receiving shipments of XLamp XB-D LEDs with the new thermal pad design. Customers may receive both new and old design LEDs in the same shipment until Cree's inventory of LEDs with the old design is depleted.

Cree has tested the existing recommended solder pad design and found it to work well with this new thermal pad design. No customer action is required.