

Cree® LM1 Series Product Change Notification

Customer Name: LM1 Series LED Customers
Customer Contact:
Customer E-Mail:
Address:

PCN Reference Number: CREE-PCN-0666
Date Issued: 11/2/2018

Please be advised that Cree has qualified a Major Change to LM1 series LEDs and we may begin shipping the affected product with the change 90 days after the PCN Issue Date.

Please review the additional PCN information below.

Affected Product

Table 1 provides a list of products affected by this Major change:

Table 1 Affected Products List

Cree Part Number	Customer Part Number	Cree Part Number	Customer Part Number
CLM1B-AKW-xxxxxxx		QLM1B-AKW-xxxxxxx	
CLM1B-RKW-xxxxxxx		QLM1B-RKW-xxxxxxx	
CLM1B-BKW-xxxxxxx		QLM1B-BKW-xxxxxxx	
CLM1B-GKW-xxxxxxx		QLM1B-GKW-xxxxxxx	
CLM1C-WKW-xxxxxxx		QLM1C-WKW-xxxxxxx	
		QLM1D-GKW-xxxxxxx	

Description of the Change

The leadframe and chip of LM1 red and amber LEDs have changed and the leadframe of LM1 green, blue and white LEDs have changed. The size, dimension drawings and product photos in the data sheets have changed. The specification of the above product series has changed. The order codes have not changed. Please refer to the latest data sheets on www.cree.com.

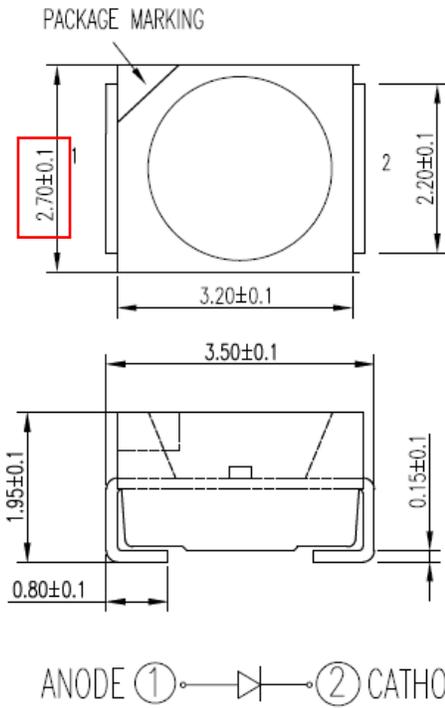
The table below shows the size changes:

Table 2 Size Changes

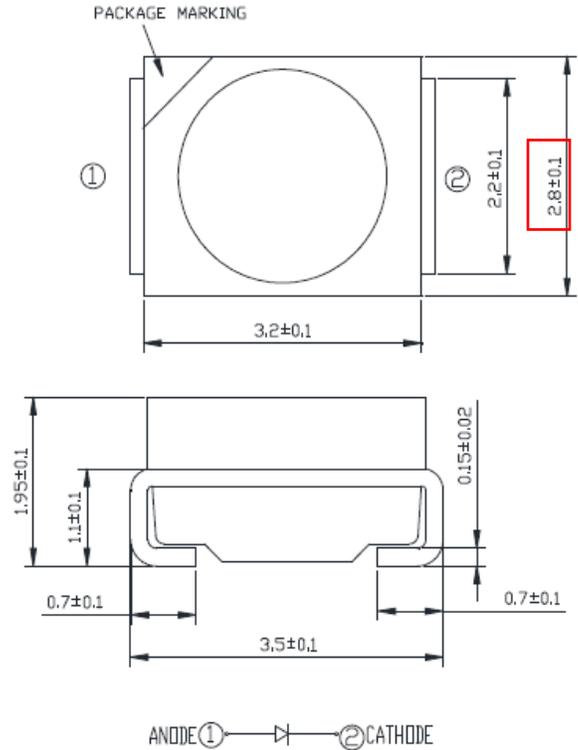
Cree Part Number	Current size (mm)	New size (mm)	Cree Part Number	Current size (mm)	New size (mm)
CLM1B-AKW	3.2 x 2.7	3.2 x 2.8	QLM1B-AKW	3.2 x 2.7	3.2 x 2.8
CLM1B-RKW	3.2 x 2.7	3.2 x 2.8	QLM1B-RKW	3.2 x 2.7	3.2 x 2.8
CLM1B-BKW	3.2 x 2.7	3.2 x 2.8	QLM1B-BKW	3.2 x 2.7	3.2 x 2.8
CLM1B-GKW	3.2 x 2.7	3.2 x 2.8	QLM1B-GKW	3.2 x 2.7	3.2 x 2.8
CLM1C-WKW	3.2 x 2.7	3.2 x 2.8	QLM1C-WKW	3.2 x 2.7	3.2 x 2.8
			QLM1D-GKW	3.2 x 2.7	3.2 x 2.8

The pictures below show the dimension changes:

Current dimension drawing



New dimension drawing



The Layout for Leadframe:

Current Leadframe (Left)

New Leadframe (Right)



Photos in Data Sheet:

Current Photo (LM1 Red/Amber)



New Photo (LM1 Red/Amber)



Current Photo (Green/Blue)



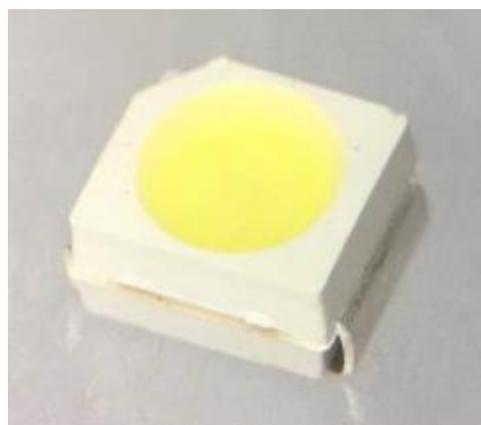
New Photo (LM1 Green/Blue)



Current Photo (LM1 White)



New Photo (LM1 White)



Reason for the Change

The current leadframe material and die have reached their end of life so replacements are being made to maintain the material supply.

Change Impact on Form, Fit, Function, or Reliability

We will begin shipping the affected products with the changes 90 days after the PCN Issue Date. No customer action is required. This product change affects neither the order codes nor the bin codes.

Cree Contact Information

If you have any questions regarding this PCN please contact:

Table 3 PCN Contact

Cree Contact:	Winter Chen
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Cree Contact Fax Number:	
Address:	