



# Final Product Change Notification

December 13, 2017

**Final Product Change Notification #: 2017037F**

**Subject: Lumileds announces product change for Deep Red and Far Red color portfolio**

## Overview

Lumileds is notifying customers of an upcoming change for some of its products. At this time, Lumileds has completed the validation of the change and is ready to commence production. Based on this successful validation, Lumileds is recommending customer release of the change. The details of the change and supporting documentation are attached below.

<b>Description of Change(s):</b>	Lumileds has qualified an alternate die. In order to ensure consistent supply of production and to meet stated lead times, Lumileds will use all of the qualified die to build product.
<b>Customer Impact and Recommended Actions:</b>	Customers do not need to take any action
<b>Products affected:</b>	LUXEON C Deep Red, LUXEON C Far Red, LUXEON SunPlus 20 Deep Red, LUXEON SunPlus 20 Far Red, LUXEON Z Deep Red, LUXEON Rebel Colors Deep Red, LUXEON Rebel Colors Far Red
<b>Reference Documents/Attachments:</b>	Attachment A: Affected Part Numbers Attachment B: Visual Image
<b>Reason for change(s):</b>	Supply assurance due to increased demand
<b>Anticipated (positive and negative) impact on form, fit, function or reliability:</b>	No impact to performance of devices; offers supply assurance
<b>Customer part number(s), if applicable:</b>	See Attachment A for affected Lumileds part numbers
<b>Date when qualification samples are available, if applicable:</b>	Samples are available now, upon request
<b>Date when final qualification data are available, if applicable:</b>	Final qualification data available now, upon request
<b>Anticipated date when shipments of the changed product can commence:</b>	On or after March 13, 2018
<b>Last Date, if applicable, of manufacture of the unchanged product, if applicable:</b>	N/A

## Next Steps

As a next step, please provide acknowledgement of receipt of this FPCN and provide feedback along with any additional requests to your Lumileds Account Manager or Quality Manager no later than January 13, 2018.

## Contact:

If you have any questions, or need any further assistance, please contact your Lumileds sales representative.

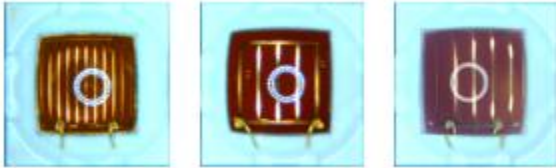
# Attachments

## Attachment A: Affected part numbers

Product	Sale PN
LUXEON C Deep Red	L1C1-DRD100000000
LUXEON C Far Red	L1C1-FRD100000000
LUXEON SunPlus 20 Deep Red	L1SP-DRD000200000
LUXEON SunPlus 20 Far Red	L1SP-FRD000200000
LUXEON Z Deep Red	LXZ1-PA01
	LXZ1-PA01-0250
	LXZ1-PA01-0300
	LXZ1-PA01-0350
	LXZ1-PA01-453
LUXEON Rebel Far Red	LXML-PF01
LUXEON Rebel Deep Red	LXM3-PD01
	LXM3-PD01-0260
	LXM3-PD01-0300
	LXM3-PD01-0350
	LXM3-PD01-368
	LXM3-PD01-387

# Attachment B: Image of Alternate Qualified Die

LUXEON C Deep Red



Current Die

Current Die

Alternate Die

LUXEON Rebel Color Deep Red

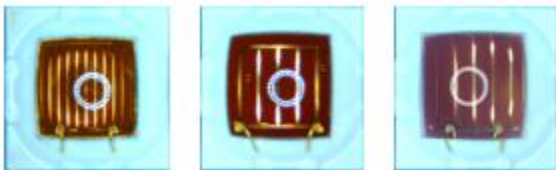


Current Die

Current Die

Alternate Die

LUXEON SunPlus 20 Deep Red



Current Die

Current Die

Alternate Die

LUXEON Z Deep Red



Current Die

Current Die

Alternate Die

LUXEON C Far Red



Current Die

Alternate Die

LUXEON Rebel Color Far Red



Current Die

Alternate Die

LUXEON SunPlus 20 Far Red



Current Die

Alternate Die