

PCN: V17-002-SD495102-0A

Product Change Notice

Issue Date: 27 March 2017

Change Type:

New replacement phosphor for the part numbers listed below.

Parts Affected:

ASMT-AN00-NUW01	ASMT-AW31-NVXL1	ASMT-JN32-NWY01	ASMT-JY32-NUWH1
ASMT-AN00-NUWJ0	ASMT-AW31-NWX01	ASMT-JN32-NWYH1	ASMT-JY32-NWXK1
ASMT-AN31-NWX00	ASMT-AY00-NUV00	ASMT-JN33-NUV01	ASMT-JY32-NWY01
ASMT-AN31-NWX01	ASMT-AY00-NUV01	ASMT-JN33-NVW01	ASMT-JY32-NWYK1
ASMT-AW00-NUW00	ASMT-AY31-NUW00	ASMT-JW11-NWX01	ASMT-JY33-NSTJ1
ASMT-AW00-NUW01	ASMT-AY31-NUW01	ASMT-JW32-NWXH1	ASMT-JY33-NTU01
ASMT-AW00-NUWF1	ASMT-AY31-NUWA1	ASMT-JW32-NWY01	QSMT-AW11-NUWZ1
ASMT-AW00-NUWK1	ASMT-AY31-NUWC1	ASMT-JW32-NWYJ1	QSMT-AW12-NUWZ1
ASMT-AW31-NVX00	ASMT-JN11-NUW01	ASMT-JW33-NVW01	QSMT-AW13-NUWZ1
ASMT-AW31-NVX01	ASMT-JN11-NWX01	ASMT-JY11-NVW01	

Description and Extent of Change:

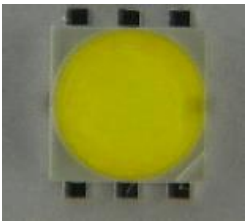
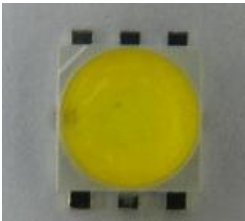


The new phosphor shall be replacing current phosphor for all the part numbers above. There will be a change in the form (appearance) but no change in product fit and function.

Reasons for Change:

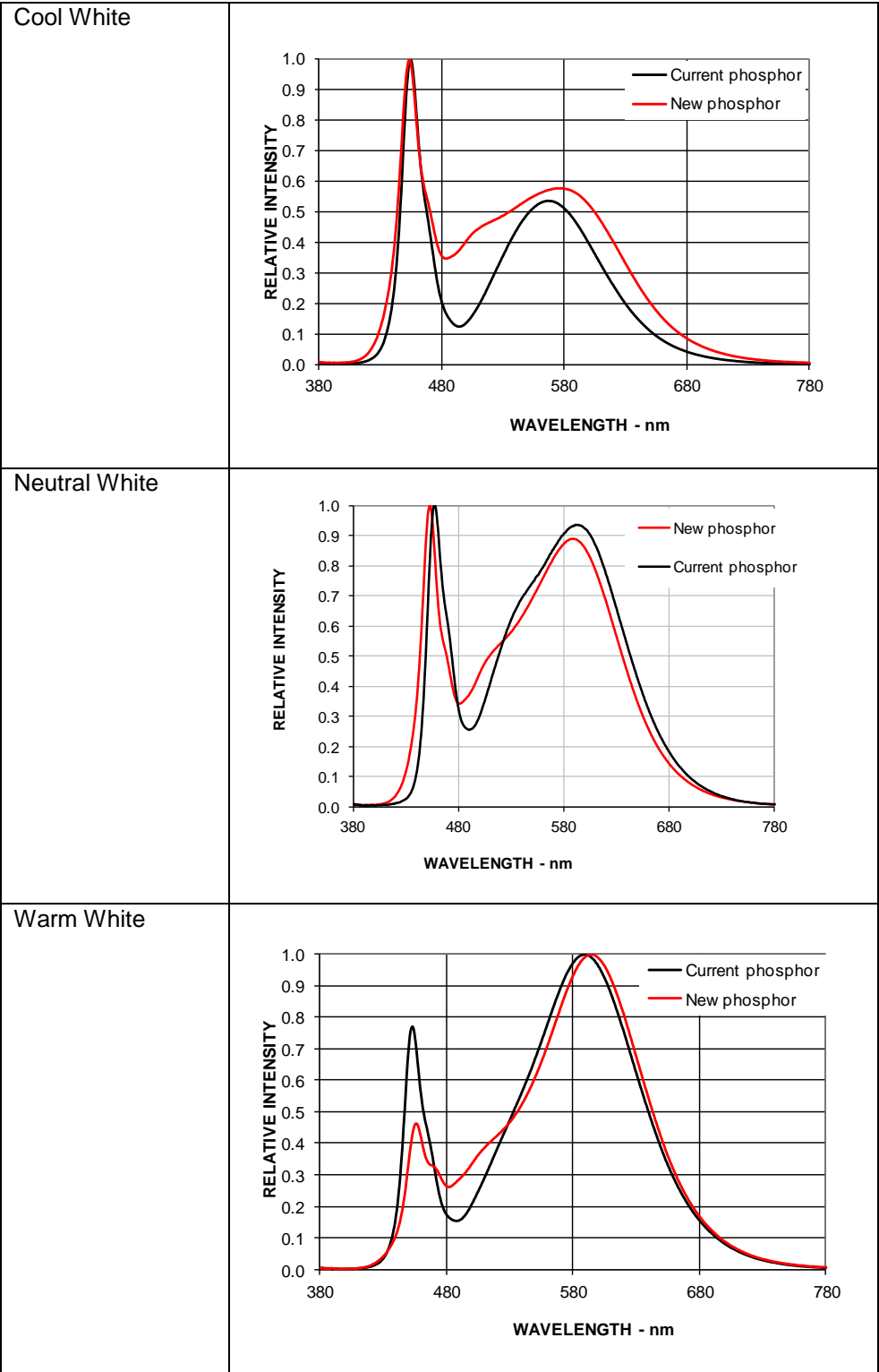
Obsolescence of the current phosphor and for product performance improvement.

Effect of Change on Fit, Form, Function, Quality, or Reliability:

There is no change in the fit and function. There is a slight phosphor color tone difference as illustrated below.

ASMT-Jxxx		ASMT-Axxx	
			
Current Phosphor	New Phosphor	Current Phosphor	New Phosphor

The color spectrum is different between the new phosphor and current phosphor as illustrated below.



The Color Rendering Index (CRI) for product using new phosphor will improve as shown in the table below.

Color	Color Rendering Index (CRI) current phosphor (Typ.)	Color Rendering Index (CRI) new phosphor (Typ.)
Cool White	65	80
Neutral White	60	80
Warm White	70	75

Effective Date of Change:

Broadcom Limited will begin to ship these part numbers with new replacement phosphor effective from **27 April 2017** onwards. There will be mixed shipment between either phosphor until the current phosphor is fully depleted. As the appearance and Color Rendering Index (CRI) of the new phosphor is different from the current phosphor, customer is advised not to mix product using new phosphor with product using current phosphor.

Qualification Data:

The parts have been submitted to reliability tests and passed Broadcom Limited reliability conditions up to the test point stated in table below:

Test Name	Test Condition	Units tested	Result
Temperature Cycle	-40°C /120°C, 30 min dwell, 5 min transfer, 100 cycles	120	Passed
High Temperature Operating Life	T _{hs} =100°C , If=700mA, 1000hrs	80	Passed
Temperature Humidity Storage Life	T _{hs} = 60°C RH = 90%, 1000hrs	80	Passed
Temperature Humidity Operating Life	T _{hs} = 60°C RH = 90%, If = 700mA, 1000hrs	80	Passed

These changes have been reviewed and approved by Broadcom Limited engineers and managers per Broadcom Limited procedure: Change Control and Customer Notification, 5962-6052-80.

Please contact your Broadcom Limited field sales for any questions or support requirements. Please return any response as soon as possible, but not to exceed 30 days.