

Product Change Notification-PCN011

Date: December 13, 2012

Dear Valued Luminus Customer

Luminus is pleased to announce the highest flux, RGBW LED on the market just got brighter!

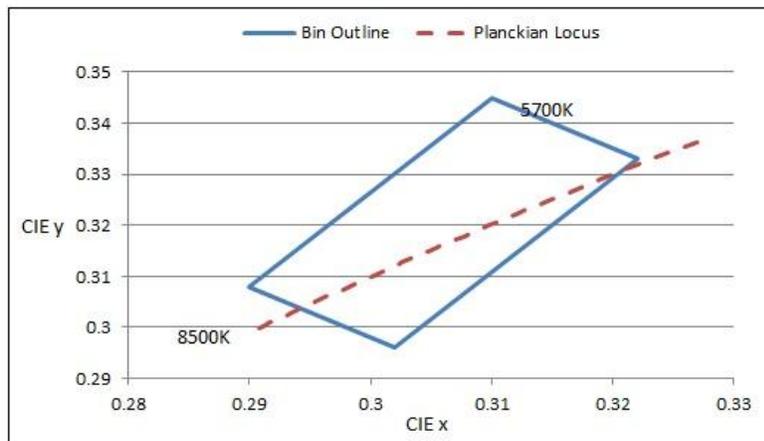
The SBM-160 and SBR-160 flux levels increase from over 30% and up to 50% versus the previous version.

- ~40% increase in maximum white die flux - 550lm or 760lm.
- 30% to 50% higher maximum flux for the red, green and blue die
- Simpler white binning structure
- Easy-to-use bin kit scheme

White Die Chromaticity Bin

Customer feedback indicated that the old ANSI chromaticity binning structure delivered no value to the customer. The SBM-160 (SBR-160) is used as a “tunable” white light source. The tighter white binning provided no value in most applications.

New White Bin Structure



Green Wavelength Binning

SBM-160 (SBR-160) previously provided no color binning for R, G, or B die. Customers liked this for red and blue but many requested a choice for green wavelength. The new bin kits offer two alternative green wavelength bins; a short wavelength green (520nm to 530nm) and a long wavelength green (530nm to 540nm).

New Bin Kit Part Numbering Scheme

| Color | Luminous Flux | | White Chromaticity Bins | Monochromaticity Wavelength Bins | | | Kit Number |
|-------|-------------------|-----------|-------------------------|----------------------------------|----------------|-------|------------|
| | Bin Kit Flux Code | Min. Flux | | Red | Green | Blue | |
| RGBW | RF | 590 | 1A | R | G4, G5, G6, G7 | B4, B | RF100 |
| | RG | 680 | 1A | R | G4, G5 | B | RG101 |
| | | | | R | G6, G7 | B | RG102 |

In the new part numbering scheme, the RF100 kit will include the full distribution of wavelength just as the previous RD100 or RE100 kits but with higher flux levels for all die. Please refer to the data sheets for more details on color die wavelength ranges.

The new kits RG101 and RG102 allow the customer to select a narrower green wavelength range; shorter or longer wavelengths, respectively.

Availability

The new products are available for immediately delivery. Please contact your Luminus representative today.