

ILLUMINATION





LUXEON 5052 RGBW

RGBW 4-in-1 versatile package



The LUXEON 5052 RGBW is a 4-in-1 package that makes color tuning easier. Each channel is individually addressable, enabling a large color gamut while simplifying the ability of getting just the right color point.

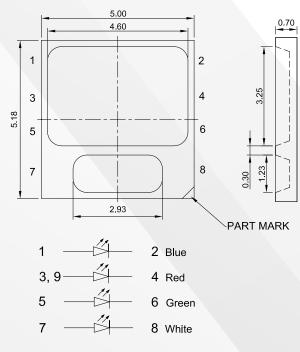
| FEATURES AND BENEFITS | PRIMARY APPLICATIONS |
|-----------------------------------|----------------------|
| RGBW 4-in-1 module | Wall Grazer |
| 5.0mm x 5.2mm | Linear |
| Individually control each channel | Wall Wash |
| | Decorative |

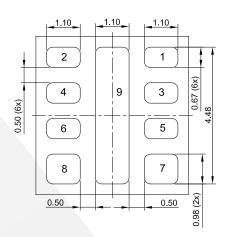
LUXEON 5052 RGBW product performance at 120mA, T_i=25°C.

| COLOR | DOMINANT WAVELENGTH [1] (nm) | | LUMINOUS FLUX [2] (lm) | | PART |
|----------------------|------------------------------|---------|------------------------|---------|---|
| | MINIMUM | MAXIMUM | MINIMUM | TYPICAL | NUMBER |
| Red | 618 | 625 | 15 | 18 | L1MC-RGB2290500MP0 L1MC-RGB2780500MP0 L1MC-RGB3080500MP0 L1MC-RGU3080500MP0 L1MC-RGB4080500MP0 L1MC-RGU4080500MP0 L1MC-RGB5080500MP0 L1MC-RGB5080500MP0 |
| Green | 520 | 535 | 30 | 38 | |
| Blue | 465 | 480 | 7 | 12 | |
| Royal Blue | 460 | 465 | 6 | 7.5 | |
| White (2200K, 90CRI) | _ | _ | 36 | 40 | |
| White (2700K, 80CRI) | _ | _ | 48 | 52 | |
| White (3000K, 80CRI) | _ | _ | 48 | 53 | |
| White (4000K, 80CRI) | _ | _ | 53 | 57 | |
| White (5000K, 80CRI) | _ | _ | 53 | 57 | |
| White (6500K, 70CRI) | _ | _ | 53 | 59 | |

- Notes:
 1. Lumileds maintains a tolerance of ±1nm on dominant wavelength measurements.
- 2. Lumileds maintains a tolerance of $\pm 7.5\%$ on luminous flux measurements.

Mechanical Dimensions.





Notes:

- Drawings are not to scale.
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 All dimensions are in millimeters.

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