



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

RGBW 4-in-1 module

5.0mm x 5.2mm

Individually control each channel

PRIMARY APPLICATIONS

Wall Grazer

Linear

Wall Wash

Decorative

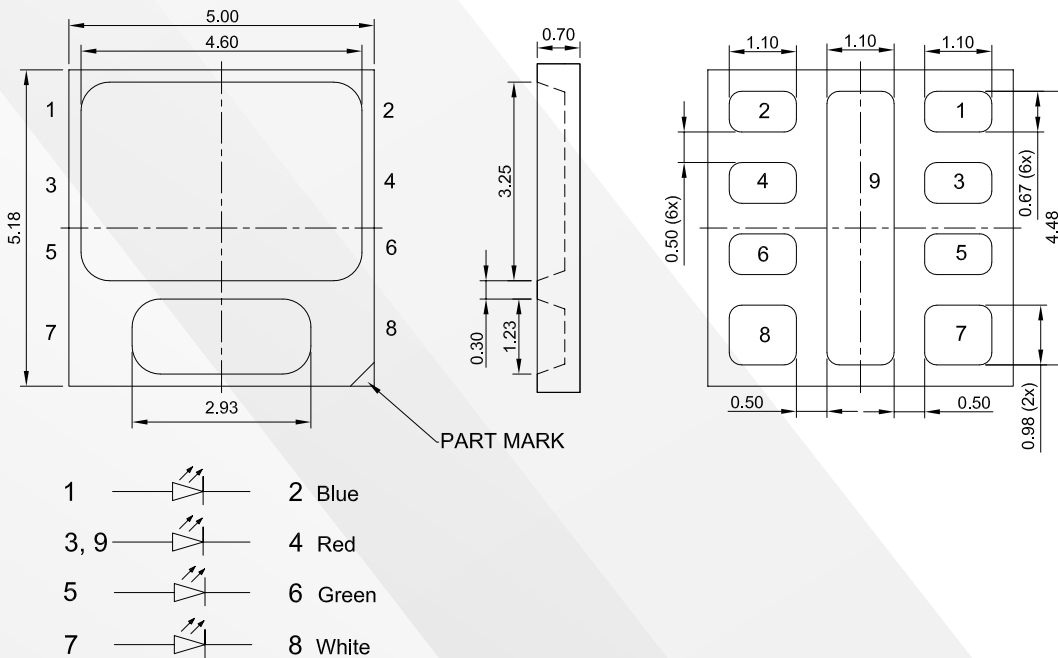
LUXEON 5052 RGBW product performance at 120mA, T_j=25°C.

| COLOR | DOMINANT WAVELENGTH ^[1] (nm) | | LUMINOUS FLUX ^[2] (lm) | | PART NUMBER |
|----------------------|---|---------|-----------------------------------|---------|--|
| | MINIMUM | MAXIMUM | MINIMUM | TYPICAL | |
| Red | 618 | 625 | 15 | 18 | L1MC-RGB2290500MP0 L1MC-RGB2780500MP0 L1MC-RGB3080500MP0 L1MC-RGU3080500MP0 L1MC-RGB4080500MP0 L1MC-RGU4080500MP0 L1MC-RGB5080500MP0 L1MC-RGB6570500MP0 |
| 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 ±7.5% on luminous flux measurements.

Mechanical Dimensions.



Notes:

1. Drawings are not to scale.
2. All dimensions are in millimeters.