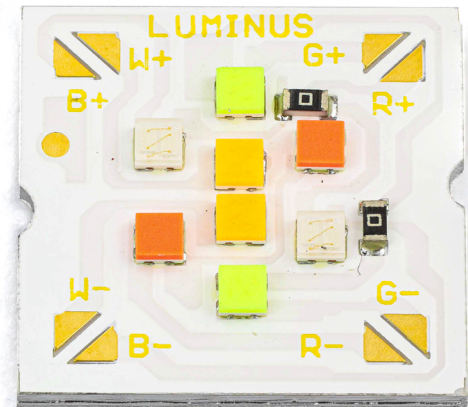
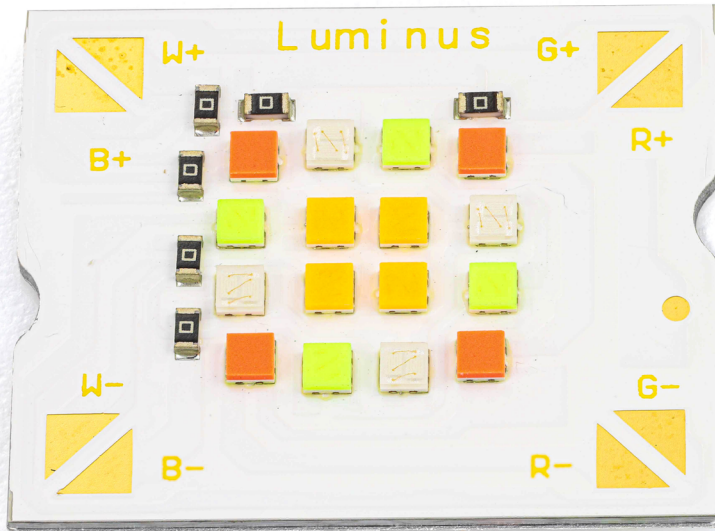


RGBW Dynamic

Tunable COB Modules (Luminus)



The applications of modern LEDs are very broad and the expectations for the professional use are increasing to the same extent. For this reason Beck Elektronik offers the latest addition to Luminus Portfolio, the RGBW Dynamic Tunable COB Modules.

The modules with chip on board technology, **CTM-9-RGBW-12-TW01** and **CTM-14-RGBW-24-TW01**, have two different sized diameters of the light emitting surface (9,5mm and 14,5mm). They consist of 16 LEDs in blue and warm white as well as phosphor-converted red and green on a metal PCB, which is driven with four channels. A constant performance and a uniform spectrum over wide temperature and current ranges is achieved by using the same blue InGaN chip for all

LEDs. The modules are therefore perfectly suitable for a wide range of indoor and outdoor lighting applications.

FEATURES

- Four channels: red, green, blue, and warm white
- Tunable white tones and colors
- High-quality metal PCB
- High luminosity enables in- and outdoor applications
- Environmentally friendly: RoHS & REACH compliant



TECHNICAL SPECIFICATIONS

| | CTM-9-RGBW-12-TW01 | CTM-14-RGBW-24-TW01 |
|---|--------------------|---------------------|
| LES DIAMETER | 9.5 mm | 14 mm |
| BOARD SIZE | 12 x 15 mm | 20 x 24 mm |
| NOMINAL WATTS/CHANNEL (@200MA) | 2 W | 4 W |
| NOMINAL VOLTAGE/CHANNEL (@200MA) | 12 V | 24 V |
| WHITE (2700K, 90CRI) TYPICAL FLUX (@200MA, 85°C) | 219 lm | 438 lm |
| BLUE (458NM DOMINANT) TYPICAL FLUX (@ 200MA, 85°C) | 58 lm | 115 lm |
| RED (625NM DOMINANT) TYPICAL FLUX (@ 200MA, 85°C) | 47 lm | 94 lm |
| GREEN (530NM DOMINANT) TYPICAL FLUX (@200MA, 85°C) | 325 lm | 650 lm |

| | MP-1616-2103-RB | MP-1616-2103-PG | MP-1616-2103-PR |
|---------------------|-----------------|-----------------|-----------------|
| COLOR | Royal Blue | Phosphor Green | Phosphor Red |
| DOMINANT WAVELENGTH | 455-460 nm | 525-540 nm | 620-630 nm |
| PACKAGE | 1,6 x 1,6 mm | 1,6 x 1,6 mm | 1,6 x 1,6 mm |
| VOLTAGE | 6 V | 6 V | 6 V |
| CURRENT | 150 mA | 150 mA | 150 mA |
| TYPICAL FLUX | 20 lm | 138 lm | 139 lm |
| VIEWING ANGLE | 135 ° | 135 ° | 135 ° |

APPLICATIONS

