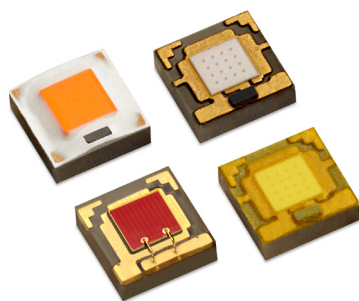




# LUXEON CZ Color Line

Maximum punch in any application



LUXEON CZ Color Line is an optically advanced portfolio of Color and White LEDs. Designed to maximize punch, the LUXEON CZ Color Line is the optimal LED solution for architecture, entertainment and emergency vehicle lighting applications.

## FEATURES AND BENEFITS

- Small and symmetrical 2x2mm<sup>2</sup> package
- Industry leading Hot/Cold Factors and the lowest thermal resistance
- Maximized punch (cd/lm)

## PRIMARY APPLICATIONS

- Architectural & Entertainment
- Lamps
  - Color Tunable
- Specialty Lighting
  - Emergency Vehicle

LUXEON CZ Colors product performance at 350mA,  $T_j=85^{\circ}\text{C}$ .

COLOR	DOMINANT OR PEAK WAVELENGTH RANGE <sup>[1]</sup> (nm)		LUMINOUS FLUX (lm) OR RADIOMETRIC POWER <sup>[2]</sup> (mW)		PART NUMBER
	MINIMUM	MAXIMUM	MINIMUM	TYPICAL	
Red	624	634	20	31	L1CU-RED1000000000
Red-Orange	614	624	30	37	L1CU-RNG1000000000
Amber	585	600	10	15	L1CU-AMB1000000000
PC Amber	-	-	65	78	L1CU-PCA1000000000
Mint	-	-	120	132	L1CU-MNT1000000000
Green	520	540	80	99	L1CU-GRN1000000000
Cyan	490	510	60	73	L1CU-CYN1000000000
Blue	465	485	25	33	L1CU-BLU1000000000
Royal Blue	440	460	400	425	L1CU-RYL1000000000

Notes:

1. Lumileds maintains a tolerance of  $\pm 6.5\%$  on luminous flux measurements. PC Amber is binned by chromaticity coordinates. Royal Blue is binned by peak wavelength. All other colors are binned by dominant wavelength.
2. Royal Blue is binned by radiometric power. All other colors are binned by luminous flux.

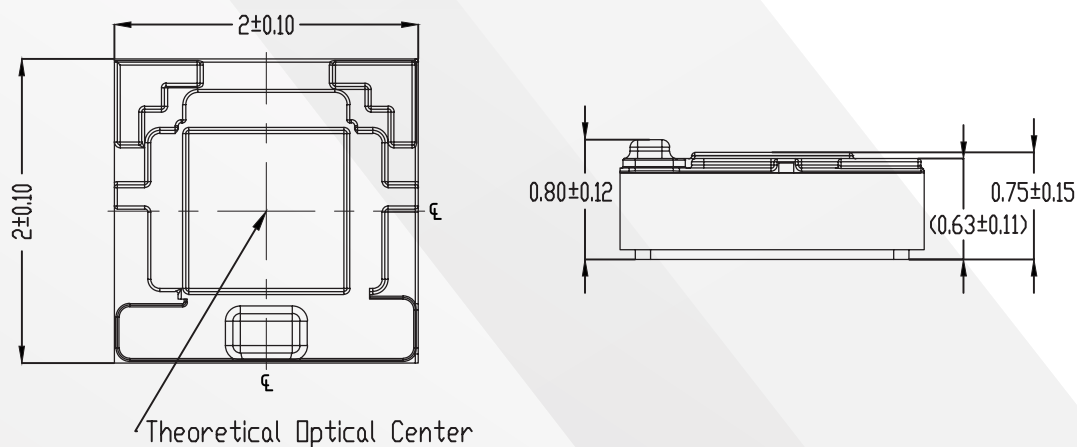
LUXEON CZ White product performance at 350mA,  $T_j=85^{\circ}\text{C}$ .

NOMINAL CCT	MINIMUM CRI	LUMINOUS FLUX (lm)		TYPICAL LUMINOUS EFFICACY (lm/W)	PART NUMBER
		MINIMUM	TYPICAL		
4000K	70	100	109	113	L1CU-4070000000000
5000K	70	100	109	113	L1CU-5070000000000
5700K	70	100	110	113	L1CU-5770000000000
3000K	80	90	95	99	L1CU-3080000000000

Notes for Table 1b:

1. Lumileds maintains a tolerance of  $\pm 6.5\%$  on luminous flux and  $\pm 2$  on CRI measurements for these products.

Mechanical Dimensions for LUXEON CZ Color Line.



Notes:

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

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