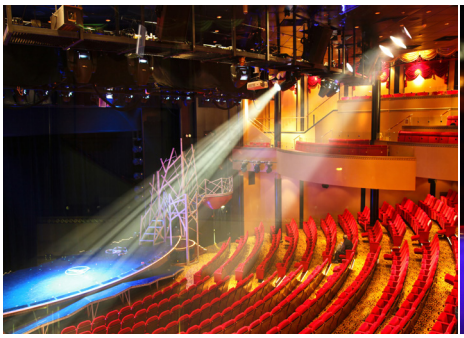
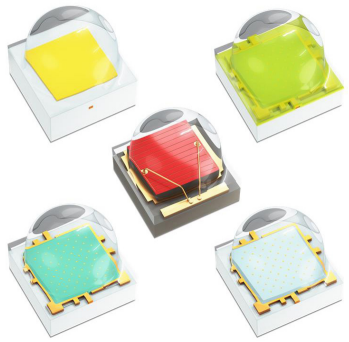
LUMILEDS

ILLUMINATION



LUXEON C ES Color Line

Maximum density and minimal area for complex color arrays



The LUXEON C ES Color Line is designed specifically for use in large LED arrays under a single optic . Its larger die and small package enable the total array area to be minimized, and LED arrangement optimized while delivering high light output. The three-stripe pad enables complex electronic circuits and provides superior thermal management connections. For entertainment, architectural, and EVL applications where significant output from large arrays is desired, LUXEON C ES is the clear choice.

FEATURES AND BENEFITS

- Best in class for multi-color array mixing with minimum LED-to-LED spacing needed for placement
- The 3-stripe footprint, offers the flexibility of design in a complex routing as it shortened electrodes for routing between LEDs while keeping LEDs maximally close-packed
- Large die in a small package provides high flux, low Vf, and low $P_{thermal}$
- High drive current enables output to be maximized and LED count minimized
- Large thermal pad allows high drive currents and makes it possible to create close-packed LED clusters
- Superior reliability from a proven, robust package

PRIMARY APPLICATIONS

- Spotlights
- Wall Wash
- Floodlights
- Landscape Lighting
- More...

LUXEON C Colors product performance at 350mA, T_j=85ºC.

COLOR	DOMINANTor PEAK WAVELENGTH [1] (nm)		LUMINIOUS FLUX (lm) or RADIOMETRIC POWER [2] (mW)		PART NUMBER
	MINIMUM	MAXIMUM	MINIMUM	TYPICAL	
Deep Red	655	675	935	1100	L1C2-DRD1000000000
Red	624	634	106	125	L1C2-RED1000000000
PC Amber	–	–	264	310	L1C2-PCA1000000000
Mint	–	–	391	460	L1C2-MNT1000000000
Lime	–	–	425	500	L1C2-LME1000000000
Green	520	540	298	350	L1C2-GRN1000000000
Cyan	490	510	204	240	L1C2-CYN1000000000
Blue	465	485	94	110	L1C2-BLU1000000000
Royal Blue	440	460	1275	1500	L1C2-RYL1000000000

Notes for Table:
1. Lumileds maintains a tolerance of ±6.5% on luminous flux measurements. PC Amber, Mint and Lime are binned by chromaticity coordinates. Deep Red and Royal Blue are binned by peak wavelength. All other colors are binned by dominant wavelength.
2. Deep Red and Royal Blue are binned by radiometric power. All other colors are binned by luminous flux.