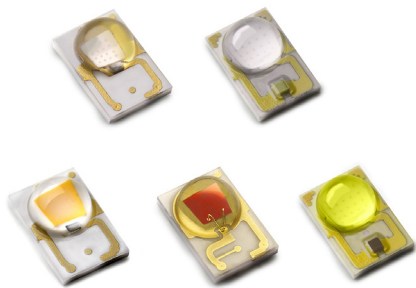




LUXEON Rebel Color Line

High flux and efficacy on industry's most widely used color LED platform



The LUXEON Rebel Color Line has leading light output, color stability, flux density and clear saturated colors. These color LEDs are ideal for a wide variety of lighting, signaling, signage and entertainment applications. Every LUXEON Rebel Color emitter has built-in quality, reliability, lumen maintenance and the ease of manufacturing needed to create a superior, high quality light. LUXEON Rebel Color emitters give designers an endless palette of colors to work with, adding interest, dimension and liveliness to all lighting projects.

FEATURES AND BENEFITS

- Full color palette for a wider spectrum range
- Highest efficacy available for colors, allowing for lower power consumption
- High flux and leading hot and cold performance for saturated colors
- Fully developed ecosystem for LUXEON Rebel platforms
- UL-recognized component [E335118]

PRIMARY APPLICATIONS

- Architectural
- Lamps
- Specialty Lighting
 - Emergency Lighting
 - Entertainment

LUXEON Rebel Color Line product performance at test conditions.

COLOR	DOMINANT ^[1, 2] or PEAK WAVELENGTH ^[2] (nm)		LUMINOUS FLUX ^[1, 3] (lm) or RADIOMETRIC POWER ^[3] (mW)		TEST CURRENT (mA)	PART NUMBER
	MINIMUM	MAXIMUM	MINIMUM	TYPICAL		
Far Red	720	750	210	260	350	LXML-PF01
Deep Red	650	670	270	360	350	LXM3-PD01
Red	620	645	60	62	350	LXM2-PD01-0060
	620	645	50	53	350	LXM2-PD01-0050
	620	645	40	48	350	LXM2-PD01-0040
	620	645	50	52	350	LXML-PD01-0050 ^[5]
	620	645	40	46	350	LXML-PD01-0040 ^[5]
	620	645	30	38	350	LXML-PD01-0030 ^[5]
Red-Orange	620	645	50	64	350	LXM5-PD01
	610	620	70	72	350	LXM2-PH01-0070
	610	620	60	67	350	LXM2-PH01-0060
	610	620	60	62	350	LXML-PH01-0060 ^[5]
	610	620	50	56	350	LXML-PH01-0050 ^[5]
PC Amber	610	620	50	90	350	LXM5-PH01
	594	604	80	110	350	LXM2-PL01-0000
Amber	585	595	60	61	350	LXML-PL01-0060 ^[5]
	585	595	50	54	350	LXML-PL01-0050 ^[5]
	585	595	40	48	350	LXML-PL01-0040 ^[5]
	585	595	30	38	350	LXML-PL01-0030 ^[5]
Lime	585	595	50	74	350	LXM5-PL01
	566	569	140	184	350	LXML-PX02-0000
Green	520	540	100	102	350	LXML-PM01-0100
	520	540	90	95	350	LXML-PM01-0090
	520	540	80	88	350	LXML-PM01-0080
	520	540	70	79	350	LXML-PM01-0070
Cyan	490	515	80	83	350	LXML-PE01-0080
	490	515	70	76	350	LXML-PE01-0070
	490	515	60	67	350	LXML-PE01-0060
Blue	460	485	40	41	350	LXML-PB01-0040
	460	485	30	35	350	LXML-PB01-0030
	460	485	23	28	350	LXML-PB01-0023
	460	485	18	22	350	LXML-PB01-0018
Royal Blue	440	460	500	520	350	LXML-PR01-0500
	440	460	1100	1120	700	LXML-PR02-1100
	440	460	1050	1070	700	LXML-PR02-1050
	440	460	1000	1030	700	LXML-PR02-1000
	440	460	950	970	700	LXML-PR02-0950
	440	460	900	940	700	LXML-PR02-0900
	440	460	800	890	700	LXML-PR02-0800
	440	460	900	1030	700	LXML-PR02-A900 ^[4]

Notes:

1. Lumileds maintains a tolerance of ±0.5nm for dominant wavelength and ±6.5% on luminous flux measurements.
2. Far Red, Deep Red and Royal Blue are binned by peak wavelength and all other colors by dominant wavelength.
3. Far Red, Deep Red and Royal Blue are binned by radiometric power and all other colors by luminous flux.
4. LXML-PR02-A900 is a selection of color bins 4 and 5 only.
5. Part numbers are not recommended for new design.

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