LUMILEDS

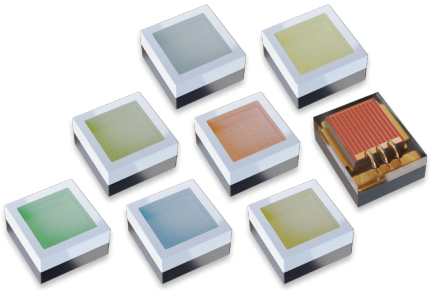
ILLUMINATION





LUXEON Rubix

High drive, tiny LED, max performance



LUXEON Rubix is a breakthrough design for the LED industry. Designed with high driving current capability and small form factor, it provides maximum flux in a minimal amount of space making it ideal for entertainment, architecture and emergency vehicle lighting application. This LED provides double the flux at much higher driving current compared to previous generations. It is the smallest form factor in the Lumileds Colors portfolio enabling it to be packaged even closer to achieve higher lumen output at higher lumen densities. The individual emitters and color gamut allow customers to have much better flexibility in their product design.

FEATURES AND BENEFITS
Tiny footprint 1414 package
High Drive current up to 1.6A DC
Maximized punch (cd/lm)

PRIMARY APPLICATIONS
Moving Head
Spotlights
Wall Wash
Floodlights
Landscape Lighting

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LUXEON Rubix Colors product performance at 1500mA, T_j=85°C

COLOR	DOMINANT OR PEAK WAVELENGTH [1] (nm)		LUMINOUS FLUX (lm) OR RADIOMETRIC POWER [2] (mW)		PART NUMBER
	MINIMUM	MAXIMUM	MINIMUM	TYPICAL	
PC Amber	-	-	240	308	L1RX-PCA1000000000
Lime	-	-	502	670	L1RX-LME1000000000
Green	520	535	280	360	L1RX-GRN1000000000
Cyan	490	510	180	279	L1RX-CYN1000000000
Blue	465	485	80	130	L1RX-BLU1000000000
Royal Blue	440	455	1700	1970	L1RX-RYL1000000000

Notes:
1. Lumileds maintains a tolerance of ±6.5% on luminous flux measurements.
2. Royal Blue is binned by peak wavelength. All other colors are binned by dominant wavelength.
3. Royal Blue is binned by radiometric power. All other colors are binned by luminous flux.

LUXEON Rubix L1RX-RED2000000000 product performance at 1000mA, T_j=85°C

COLOR	DOMINANT WAVELENGTH [1] (nm)		LUMINOUS FLUX [1] (lm)		PART NUMBER
	MINIMUM	MAXIMUM	MINIMUM	TYPICAL	
Red	620	630	65	78	L1RX-RED2000000000

Notes:
1. Lumileds maintains a tolerance of ±6.5% on luminous flux measurements.

LUXEON Rubix White 60CRI product performance at 1500mA, T_j=85°C

COLOR	NOMINAL CCT	MINIMUM CRI [1]	LUMINOUS FLUX [1] (lm)		TYPICAL LUMINOUS EFFICACY (lm/W)	PART NUMBER
			MINIMUM	TYPICAL		
White 60CRI	5700K	60	440	510	108	L1RX-5760000000000

Notes:
1. Lumileds maintains a tolerance of ±6.5% on luminous flux and ±2 on CRI measurements for these products.

LUXEON Rubix White product performance at 1000mA, T_j=85°C

COLOR	NOMINAL CCT	MINIMUM CRI [1]	LUMINOUS FLUX [1] (lm)		TYPICAL LUMINOUS EFFICACY (lm/W)	PART NUMBER
			MINIMUM	TYPICAL		
White 80 cri and 90 cri	2200K	80	200	242	80	L1RX-2280000000000
	2700K	80	240	282	93	L1RX-2780000000000
	3000K	80	260	295	98	L1RX-3080000000000
	3500K	80	260	317	105	L1RX-3580000000000
	4000K	80	280	320	106	L1RX-4080000000000
	4500K	80	280	323	107	L1RX-4580000000000
	6500K	80	280	325	108	L1RX-6580000000000
	2700K	90	200	230	76	L1RX-2790000000000

Notes:
1. Lumileds maintains a tolerance of ±6.5% on luminous flux and ±2 on CRI measurements for these products.

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