

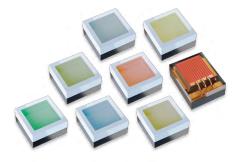
ILLUMINATION



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 3 Amps DC
Maximized punch (cd/lm)

PRIMARY APPLICATIONS

Moving Head
Spotlights
Wall Wash
Floodlights
Landscape Lighting

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

COLOR	DOMINANT OR PEAK WAVELENGTH ^[1] (nm)		LUMINOUS FLUX (Im) OR RADIOMETRIC POWER ^[2] (mW)		PART
	MINIMUM	MAXIMUM	MINIMUM	TYPICAL	NUMBER
Red	620	630	75	85	L1RX-RED100000000
PC Amber	-	-	220	250	L1RX-PCA100000000
Lime	-	-	420	510	L1RX-LME100000000
Green	520	535	260	310	L1RX-GRN100000000
Cyan	490	510	180	230	L1RX-CYN100000000
Blue	465	485	70	112	L1RX-BLU100000000
Royal Blue	440	455	1300	1635	L1RX-RYL100000000

Notes:

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

Royal Blue is binned by peak wavelength. All other colors are binned by dominant wavelength.
Royal Blue is binned by radiometric power. All other colors are binned by luminous flux.

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

COLOR	DOMIN PEAK WAVELE		LUMINOUS F RADIOMETRIC	PART NUMBER	
	MINIMUM	MAXIMUM	MINIMUM	TYPICAL	NOWDER
Red	620	630	52	71	L1RX-RED2000000000
Materia					

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

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

COLOR	NOMINAL CCT	MINIMUM CRI ^[1]	LUMINOUS FLUX ^[1] (Im)		TYPICAL LUMINOUS EFFICACY	PART
COLOR			MINIMUM	TYPICAL	(lm/W)	NUMBER
White 60CRI	5700K	60	360	440	93	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_i=85°C.

COLOR	NOMINAL CCT	MINIMUM CRI ^[1]	LUMINOUS FLUX ^[1] (lm)		TYPICAL LUMINOUS EFFICACY	PART
			MINIMUM	TYPICAL	(lm/W)	NUMBER
	6500K	70	220	315	106	L1RX-657000000000
	2200K	80	140	208	70	L1RX-2280000000000
	2700K	80	180	239	81	L1RX-2780000000000
White 70CRI,	3000K	80	200	263	89	L1RX-3080000000000
80CRI	3500K	80	200	270	91	L1RX-3580000000000
and 90CRI	4000K	80	200	274	93	L1RX-4080000000000
	4500K	80	200	278	94	L1RX-4580000000000
	6500K	80	220	280	95	L1RX-6580000000000
	2700K	90	140	205	69	L1RX-2790000000000

Notes:

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

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