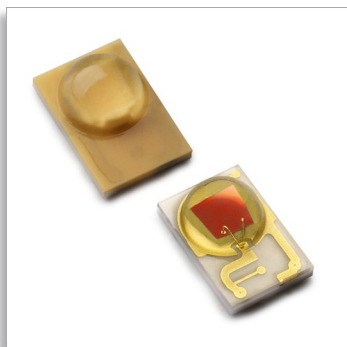


## Product Brief

# LUXEON Rebel and LUXEON Rebel ES Color Portfolio

Long lasting, energy efficient, brilliant colors



Create visually stunning lighting applications using the LUXEON Rebel and LUXEON Rebel ES color portfolio of emitters. The color portfolio is available in green, cyan, blue, royal blue, deep red, red, red-orange, amber and PC amber; offering the high performance, saturated colored light, reliability and lumen maintenance that enable today's most distinctive and enjoyable lighting applications.



### Color Portfolio Benefits:

- Industry leading hot / cold factor for LUXEON® Rebel and LUXEON Rebel ES colors efficacy under real-world operating conditions
- High quality, long life LUXEON reliability reduces the total cost of luminaire ownership
- Create white light with RGB or LUXEON Rebel ES royal blue and phosphor technologies
- Optic design maximizes light output allowing you to use fewer LEDs
- Minimized thermal management reduces design complexity
- Low Vf for optimal lumen per watt efficiency
- A single product footprint for all LUXEON Rebel and LUXEON Rebel ES emitters simplifies engineering and speeds time to market
- Limitless color mixing possibilities
- Deep red colors enable horticultural applications.

## Product Selection Guide

Color	Part Number	Performance @ 350 mA			Performance @ 700 mA		
		Min Luminous Flux (lm) or Radiometric Power (mW)	Typ Flux	Typ Efficacy (lm/W) or WPE (%)	Min Luminous Flux (lm) or Radiometric Power (mW)	Typ Luminous Flux (lm) or Radiometric Power (mW)	Typ Efficacy (lm/W) or WPE (%)
Green	LXML-PM01-0100	100	102	100		161	68
	LXML-PM01-0090	90	95	93		150	63
	LXML-PM01-0080	80	88	86		139	58
	LXML-PM01-0070	70	79	78		125	52
Cyan	LXML-PE01-0080	80	83	81		133	56
	LXML-PE01-0070	70	76	75		122	51
	LXML-PE01-0060	60	67	66		110	46
Blue	LXML-PB01-0040	40.0	41	38		70	29
	LXML-PB01-0030	30.0	35	33		58	24
	LXML-PB01-0023	23.5	28	26		48	20
	LXML-PB01-0018	18.1	22	21		38	16
	LXML-PB02-0050				50	58	28
	LXML-PB02-0060				60	67	32
	LXML-PB02-0070				70	75	36
	LXML-PB02-0080				80	83	40
Royal Blue	LXML-PR01-0500	500 mW	520 mW	48%		910 mW	40%
	LXML-PR01-0425	425 mW	480 mW	44%		840 mW	37%
	LXML-PR02-1100				1100 mW	1120 mW	53%
	LXML-PR02-1050				1050 mW	1070 mW	51%
	LXML-PR02-1000				1000 mW	1030 mW	49%
	LXML-PR02-0950				950 mW	970 mW	46%
	LXML-PR02-0900				900 mW	940 mW	44%
	LXML-PR02-0800				800 mW	890 mW	42%
LXML-PR02-A900**				900 mW	1030 mW	49%	
Deep Red	LXM3-PD01-0350	350 mW	360 mW	46%		720 mW	42%
	LXM3-PD01-0300	300 mW	320 mW	41%		640 mW	38%
	LXM3-PD01-0260	260 mW	290 mW	37%		580 mW	34%
Red	LXM2-PD01-0060	60	62	83		119	74
	LXM2-PD01-0050	50	53	75		106	65
	LXM2-PD01-0040	40	48	65		90	56
	LXML-PD01-0050	50	52	53		85	35
	LXML-PD01-0040	40	46	47		75	30
	LXML-PD01-0030	30	38	37		62	24
Red-Orange	LXM2-PH01-0070	70	72	98		134	83
	LXM2-PH01-0060	60	67	91		122	76
	LXML-PH01-0060	60	62	63		100	40
	LXML-PH01-0050	50	56	57		90	35
PC Amber	LXM2-PL01-0100	100	102	96		184	83
	LXM2-PL01-0090	90	95	89		171	76
	LXM2-PL01-0080	80	86	80		155	70
	LXM2-PL01-0070	70	78	73		140	63
Amber	LXML-PL01-0060	60	61	60		98	39
	LXML-PL01-0050	50	54	51		84	33
	LXML-PL01-0040	40	48	46		77	30
	LXML-PL01-0030	30	38	37		61	24

\*All LUXEON Rebel color emitters except royal blue and deep red emitters are tested and binned for dominant wavelength. Royal blue and deep red emitters are tested and binned using peak wavelength. LUXEON Rebel ES royal blue and blue emitters are tested and binned at 700 mA.

\*\* LXML-PR02-A900 is a selection of color bins 4 & 5 only.

For complete product specifications and information please refer to the product technical datasheet, LUXEON Rebel Color Portfolio DS68, available on the Philips Lumileds website.



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