



Product Brief

LUXEON Rebel

Illumination Portfolio



The Illumination Portfolio of LUXEON® Rebel emitters enables endless lighting possibilities for office, shops, hotels and homes. LUXEON Rebel emitters deliver the highest quality of light, are more efficient, reliable, longer lasting and energy efficient lighting applications transforming the way we live, shop and play.

LUXEON Rebel Portfolio Benefits:

- Higher light quality to optimize product merchandising and other indoor applications
- Easier to build ENERGY STAR® solutions
- ANSI binned to meet your specific CCT & CRI needs
- Faster payback periods and lower total ownership costs
- Simplified engineering and faster time to market
- Design flexibility to use fewer parts or less heat-sinking
- Unique color mixing possibilities
- Supports sustainable lighting solutions
- UL listing E327436.

LUXEON Rebel Illumination Portfolio Products

Nominal CCT	Part Number	Minimum CRI	Typical CRI	Typical R9	Minimum Luminous Flux (lm) Φ_v	Typical Luminous Flux Φ_v
2700K	LXM3-PW8I	80	85	18	65	73
2700K	LXM8-PW27	80	85	15	70	80
3000K	LXM8-PW30	80	85	15	75	85
3000K	LXM3-PW7I	80	85	22	66	77
3000K	LXML-PW7I	85	90		50	66
3500K	LXM3-PW6I	80	85	30	67	80
4000K	LXML-PW5I	60	70		90	105
4000K	LXM3-PW5I	80	85	28	75	85
4000K	LXM7-PW40	70	75	7	90	100
5000K	LXML-PW3I	65	70		90	105
5700K	LXML-PW2I	65	70		90	105
6500K	LXML-PW1I	65	70		90	105

Absolute Maximum Ratings

Parameter	Maximum Performance
DC Forward Current (mA)	700
Peak Pulsed Forward Current (mA)	700
Average Forward Current (mA)	700
ESD Sensitivity	< 8000V Human Body Model (HBM) Class 3B JESD22-A114-E
LED Junction Temperature	135°C
Operating Case Temperature at 350 mA	-40°C - 135°C
Storage Temperature	-40°C - 135°C
Soldering Temperature	JEDEC 020c 260°C
Allowable Reflow Cycles	3
Autoclave Conditions	121°C at 2 ATM 100% Relative Humidity for 96 Hours Maximum
Reverse Voltage (Vr)	LUXEON Rebel LEDs are not designed to be driven in reverse bias

For complete product information please refer to the LUXEON Rebel Illumination datasheet (DS63).

