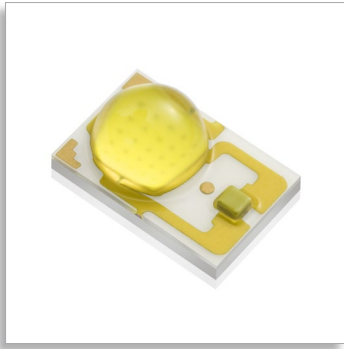




Product Brief

LUXEON Rebel ES



LUXEON® Rebel ES gives you the flexibility you need for designing luminaires and lamps. Tested and binned at 700 mA, confidently design LUXEON Rebel ES into high lumen applications or create more energy efficient devices using the same emitter. Luminaire manufacturers and designers count on LUXEON Rebel ES for quality, reliability and in-device performance.

Key Applications:

- Street Lighting
- Tunnel/Bridge
- Outdoor Area
- Canopy/Station
- Covered Parking
- Pedestrian Path
- Architectural
- Office
- Downlights
- Shops
- Task

Features:

- Tested and specified in real-world application conditions
- Superior >125lm/W efficacy enables efficient and sustainable applications
- Industry leading lumen maintenance
- 1/4th ANSI binning
- Very small optical source size
- Lead and mercury free, RoHS and REACH Compliant
- Complete design resources including electrical, mechanical and optical files

Benefits:

- Broad portfolio of emitters for indoor and outdoor applications
- All combinations of CCT and Quality-of-Light (CRI)
- Highest lumens, lm/W and lm/\$
- Lower system energy consumption and better lighting efficiency
- Faster payback periods and lower total ownership costs
- Easier to build ENERGY STAR® certified solutions

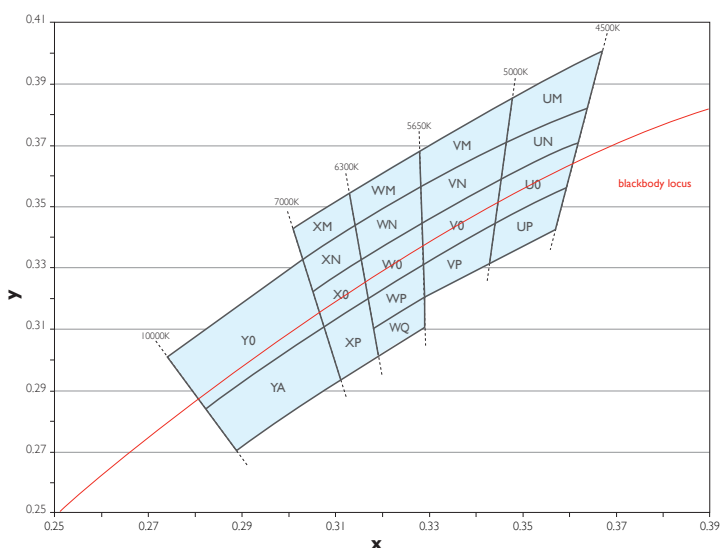
LUXEON Rebel ES Characteristics

Part Number	Nominal ANSI CCT	CRI Min	Performance At Test Current @ 700 mA		Typical Performance								
			Minimum Luminous Flux (lm)	Test Condition	Luminous Flux (lm)			Forward Voltage (Vf)			Efficacy (lm/W)		
					350 mA	700 mA	1000 mA	350 mA	700 mA	1000 mA	350 mA	700 mA	1000 mA
LXML-PWN2	4100 neutral-white	60	200	T _j = 25°C	130	230	310	2.85	3.00	3.10	130	110	74
LXML-PWC2	5650 cool-white	60	200	T _j = 25°C	135	235	320	2.85	3.00	3.10	135	112	76
LXW9-PW27	2700K	90	120	T _j = 25°C	75	135	184	2.85	3.00	3.10	75	64	44
LXW9-PW30	3000K	90	120	T _j = 25°C	81	145	197	2.85	3.00	3.10	81	69	47
LXW8-PW35	3500K	80	160	T _j = 25°C	103	185	252	2.85	3.00	3.10	103	88	60
LXH7-PW40	4000K	70	180	T _j = 25°C	114	205	279	2.85	3.00	3.10	114	98	66
LXW8-PW40	4000K	80	170	T _j = 25°C	106	190	258	2.85	3.00	3.10	106	90	61
LXW8-PW50	5000K	80	180	T _j = 25°C	111	200	272	2.85	3.00	3.10	111	95	65



PHILIPS
LUMILEDS

5650K Cool-White Bin Structure



For part number LXML-PWC2.

For part numbers: LXW9-PW27, LXW9-PW30, LXW8-PW35, LXW8-PW40, and LXW8-PW50.



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