





LUXEON XR-7070

A 5000lm building block compatible with off-the-shelf optics



LUXEON XR-7070 is a standard integrated module compatible with off-the-shelf drivers, optics, and heat sinks. Four LUXEON 7070 LEDs are built on a MCPCB substrate for thermal efficiency and mechanical robustness. This eliminates LED-assembly engineering costs, tooling costs, and material inventory costs. With this versatile building-block approach, it simplifies system integration and accelerates time-to-market.

FEATURES AND BENEFITS

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Efficacy and luminous flux of up to 170lm/W typical and 5400lm available
Available CCT/CRI options: 2700K, 3000K, 3500K, 4000K, 5000K (70 & 80 CRI)
Superior board level color control of ≤ 3SDCM
MCPCB for efficient heat dissipation and mechanical robustness
Conformal coating option available
UL 8750, ENEC, CE, UKCA compliance
5-year limited guarantee

PRIMARY APPLICATIONS

High Bay	
Low Bay	
Wall Pack	
Outdoor Area Lights	









LUXEON XR-7070 product performance at 700mA, T_c=85°C.

TYPICAL VOLTAGE		L MINIMUM CRI [1, 2]	LUMINOUS FLUX ^[1] (lm)		TYPICAL LUMINOUS	ENERGY EFFICIENCY	PART NUMBER	ENERGY EFFICIENCY	CONFORMAL
			MINIMUM	TYPICAL	EFFICACY (Im/W)		PART NOWIDER	CLASS	COATING
46.2V	2700K	70	4708	5042	156	E	L224-2770004MLU010	Е	without conformal coating
	3000K	70	4878	5287	164	Е	L224-3070004MLU010	Е	
	3500K	70	5064	5354	166	D	L224-3570004MLU010	D	
	4000K	70	5155	5498	170	D	L224-4070004MLU010	D	
	5000K	70	5112	5471	169	D	L224-5070004MLU010	D	
	2700K	80	4374	4611	143	E	L224-2780004MLU010	Е	
	3000K	80	4545	4818	149	Е	L224-3080004MLU010	Е	
	3500K	80	4627	4913	152	E	L224-3580004MLU010	Е	
	4000K	80	4717	5044	156	Е	L224-4080004MLU010	Е	
	5000K	80	4693	5082	157	Е	L224-5080004MLU010	Е	
	2700K	70	4708	5042	156	E	L224-2770004MLUC10	Е	with conformal coating
	3000K	70	4878	5287	164	Е	L224-3070004MLUC10	Е	
	3500K	70	5064	5354	166	D	L224-3570004MLUC10	D	
	4000K	70	5155	5498	170	D	L224-4070004MLUC10	D	
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	2700K	80	4374	4611	143	E	L224-2780004MLUC10	Е	
	3000K	80	4545	4818	149	Е	L224-3080004MLUC10	Е	
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	4000K	80	4717	5044	156	Е	L224-4080004MLUC10	Е	
	5000K	80	4693	5082	157	Е	L224-5080004MLUC10	E	

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Lumileds maintains a tolerance of ±2 on CRI and ±7% on luminous flux measurements.
 Typical CRI is approximately 2 points higher than the minimum CRI specified, but this is not guaranteed.

Mouser Electronics

Authorized Distributor

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Lumileds:

<u>L224-2770004MLU010</u> <u>L224-2780004MLU010</u> <u>L224-3070004MLU010</u> <u>L224-3080004MLU010</u> <u>L224-5070004MLU010</u> <u>L224-5070004MLU010</u> <u>L224-5070004MLU010</u> <u>L224-5070004MLU010</u> <u>L224-5070004MLU010</u>