





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

FEATORES AND BENEFITS
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	
	5000K	70	5112	5471	169	D	L224-5070004MLUC10	D	
	2700K	80	4374	4611	143	E	L224-2780004MLUC10	Е	
	3000K	80	4545	4818	149	Е	L224-3080004MLUC10	Е	
	3500K	80	4627	4913	152	Е	L224-3580004MLUC10	Е	
	4000K	80	4717	5044	156	Е	L224-4080004MLUC10	Е	
	5000K	80	4693	5082	157	Е	L224-5080004MLUC10	E	

©2024 Lumileds Holding B.V. All rights reserved. LUXEON is a registered trademark of the Lumileds Holding B.V. in the United States and other countries.

Neither Lumileds Holding B.V. nor its affiliates shall be liable for any kind of loss of data or any other damages, direct, indirect or consequential, resulting from the use of the provided information and data. Although Lumileds Holding B.V. and/or its affiliates have attempted to provide the most accurate information and data, the materials and services information and data are provided "as is," and neither Lumileds Holding B.V. nor its affiliates warrants or guarantees the contents and correctness of the provided information and data. Lumileds Holding B.V. and its affiliates reserve the right to make changes without notice. You as user agree to this disclaimer and user agreement with the download or use of the provided materials, information and data. A listing of Lumileds product/patent coverage may be accessed at lumileds.com/patents.

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.