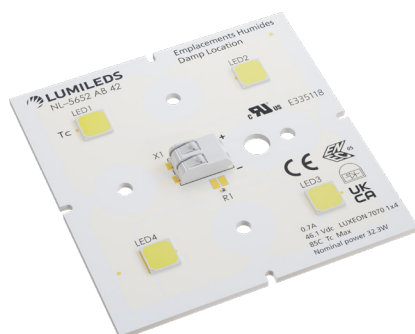


LUXEON XR-7070

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

- 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 ≤ 3 SDCM
- 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	NOMINAL CCT	MINIMUM CRI ^[1, 2]	LUMINOUS FLUX ^[1] (lm)		TYPICAL LUMINOUS EFFICACY (lm/W)	ENERGY EFFICIENCY CLASS	PART NUMBER	ENERGY EFFICIENCY CLASS	CONFORMAL COATING
			MINIMUM	TYPICAL					
46.2V	2700K	70	4708	5042	156	E	L224-2770004MLU010	E	without conformal coating
	3000K	70	4878	5287	164	E	L224-3070004MLU010	E	
	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	E	
	3000K	80	4545	4818	149	E	L224-3080004MLU010	E	
	3500K	80	4627	4913	152	E	L224-3580004MLU010	E	
	4000K	80	4717	5044	156	E	L224-4080004MLU010	E	
	5000K	80	4693	5082	157	E	L224-5080004MLU010	E	
	2700K	70	4708	5042	156	E	L224-2770004MLUC10	E	with conformal coating
	3000K	70	4878	5287	164	E	L224-3070004MLUC10	E	
	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	E	
	3000K	80	4545	4818	149	E	L224-3080004MLUC10	E	
	3500K	80	4627	4913	152	E	L224-3580004MLUC10	E	
	4000K	80	4717	5044	156	E	L224-4080004MLUC10	E	
	5000K	80	4693	5082	157	E	L224-5080004MLUC10	E	

Notes:

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