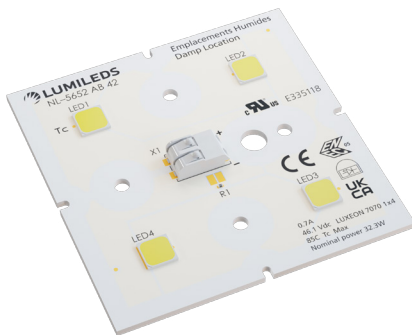


LUXEON XR-7070

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



LUXEON XR-7070 product 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. Using this standard module 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
- UL 8750, ENEC, CE, UKCA compliance
- 5-year limited guarantee

PRIMARY APPLICATIONS

- High Bay
- Low Bay
- Outdoor Area Lights

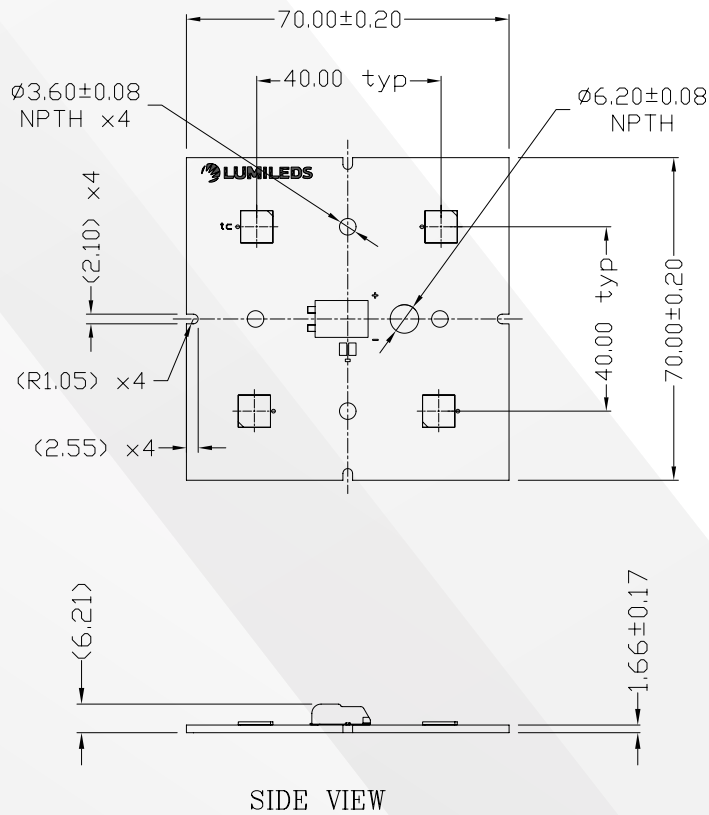
LUXEON XR-7070 product performance at 700mA, $T_c = 85^\circ\text{C}$.

NOMINAL CCT	MINIMUM CRI ^(1, 2)	LUMINOUS FLUX ⁽¹⁾ (lm)		TYPICAL LUMINOUS EFFICACY (lm/W)	ENERGY EFFICIENCY CLASS	PART NUMBER
		MINIMUM	TYPICAL			
2700K	70	4708	5042	156	E	L224-2770004MLU010
3000K	70	4878	5222	162	E	L224-3070004MLU010
3500K	70	5064	5354	166	D	L224-3570004MLU010
4000K	70	5155	5498	170	D	L224-4070004MLU010
5000K	70	5112	5417	168	D	L224-5070004MLU010
2700K	80	4374	4611	143	E	L224-2780004MLU010
3000K	80	4545	4818	149	E	L224-3080004MLU010
3500K	80	4627	4906	152	E	L224-3580004MLU010
4000K	80	4717	5044	156	E	L224-4080004MLU010
5000K	80	4693	4999	155	E	L224-5080004MLU010

Notes:

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

Mechanical Dimensions.



Notes:

1. Drawings are not to scale.
2. All dimensions are in millimeters.
3. In this document, t_c is equivalent to T_c (t_c or T_c is typically used in current IEC/EN or UL standards).

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