



LUXEON XR-5050 HE

New Form-Factor Compatible with Off-the-Shelf Optics



LUXEON XR-5050 HE products are standard integrated modules compatible with off-the-shelf drivers, optics and heat sinks. They are constructed with MCPCB substrates for thermal efficiency and mechanical robustness, and eliminate engineering design costs, tooling costs, and material inventory costs. This versatile building-block approach simplifies system integration and accelerates time-to-market.

FEATURES AND BENEFITS

- Efficacy and Luminous flux of up to 184lm/W typ and 8600lm available
- Available CCT/CRI combinations: 70CRI (2200K, 2700K, 3000K, 4000K, 5000K and 5700K), 80CRI (2700K, 3000K, 4000K, 5000K and 5700K) and 90CRI (5700K)
- 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
- Sport Lights
- Outdoor Area Lights

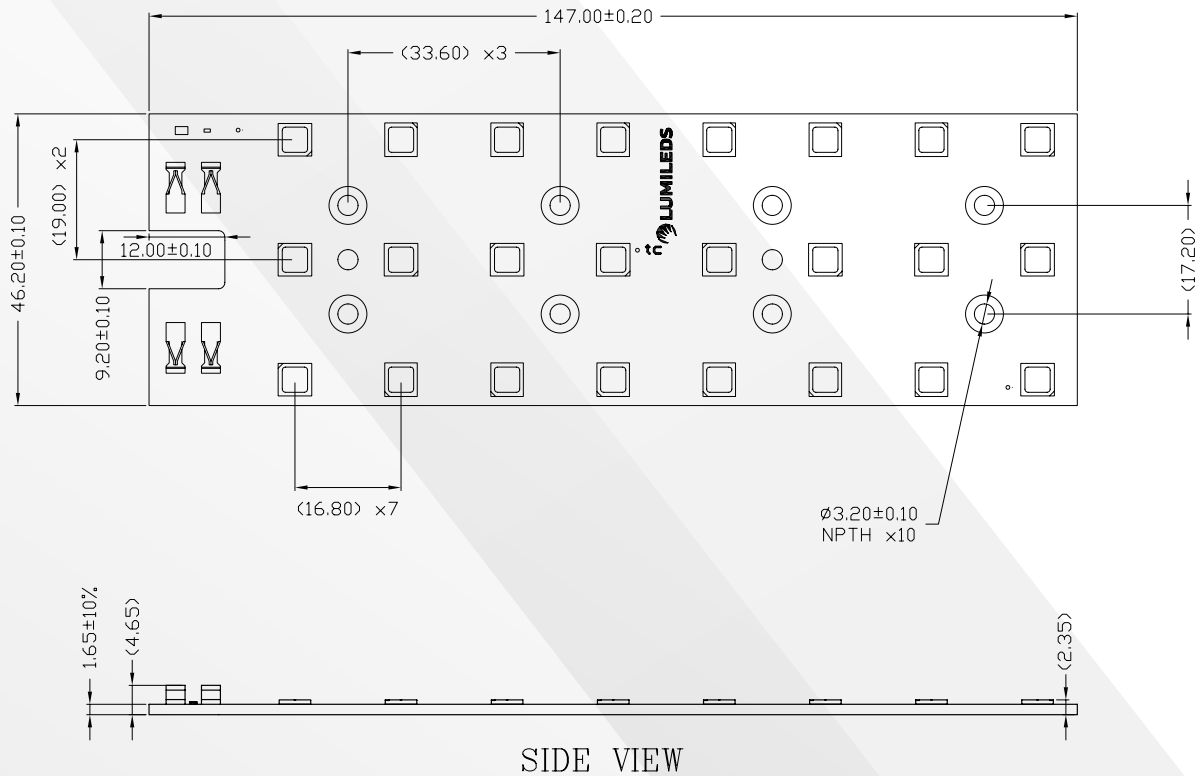
LUXEON XR-5050 HE product performance at 1050mA, Tc=85°C.

NOMINAL CCT	MINIMUM CRI ^(1, 2)	LUMINOUS FLUX ⁽¹⁾ (lm)		TYPICAL LUMINOUS EFFICACY (lm/W)	ENERGY EFFICIENCY CLASS ⁽³⁾	PART NUMBER
		MINIMUM	TYPICAL			
2200K	70	6856	7272	155	E	L225-2270024MLU010
2700K	70	7618	8042	171	D	L225-2770024MLU010
3000K	70	7923	8328	177	D	L225-3070024MLU010
4000K	70	8317	8636	184	C	L225-4070024MLU010
5000K	70	8317	8636	184	C	L225-5070024MLU010
5700K	70	8121	8442	179	D	L225-5770024MLU010
2700K	80	6733	7241	154	E	L225-2780024MLU010
3000K	80	7039	7553	161	D	L225-3080024MLU010
4000K	80	7661	8025	171	D	L225-4080024MLU010
5000K	80	7661	8025	171	D	L225-5080024MLU010
5700K	80	7578	7914	168	D	L225-5780024MLU010
5700K	90	6396	6834	145	E	L225-5790024MLU010

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.
3. Energy efficiency class as specified in Commission Delegated Regulation (EU) 2019/2015. The available range of energy efficiency classes is A-G.

Mechanical Dimensions.



Notes:

1. Drawings are not to scale.
2. All dimensions are in millimeters.

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