



LUXEON TX

Extreme efficacy and best performance



LUXEON TX is designed to deliver high efficacy with high flux density to enable tight beam control in directional and high lumen applications. With *Freedom from Binning* and leading performance, LUXEON TX LEDs are specified, targeted and tested hot, at real world operating temperatures, 85°C, to ensure in-application performance. LUXEON TX LEDs allow system optimization by blending the perfect combination of high efficacy and low system cost, while tight correlated color temperature ensures consistency in system color point.

FEATURES AND BENEFITS

- Maximum drive current of 1.5A
- High lumen package and compact source size for design flexibility and reduced LED count
- Freedom from Binning* with 3- and 5-step MacAdam ellipse
- Exceeds ENERGY STAR® lumen maintenance requirements
- 70, 80 and 85CRI minimum and full CCT range available

PRIMARY APPLICATIONS

- Downlights
- High Bay & Low Bay
- Lamps
- Outdoor
- Spotlights

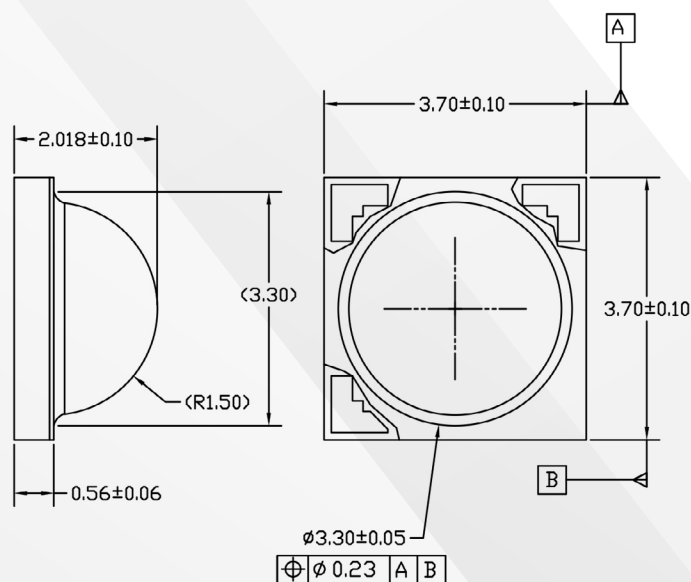
LUXEON TX product performance at 700mA and 350mA, $T_j=85^{\circ}\text{C}$.

NOMINAL CCT	MINIMUM CRI ^[1, 2]	LUMINOUS FLUX ^[1] (lm)		TYPICAL LUMINOUS EFFICACY (lm/W)	TYPICAL LUMINOUS FLUX (lm)	TYPICAL LUMINOUS EFFICACY (lm/W)	PART NUMBER
		MINIMUM	TYPICAL				
		700mA					
3000K	70	250	270	136	150	155	L1T2-3070000000000
4000K	70	280	295	148	160	164	L1T2-4070000000000
5000K	70	280	295	148	160	164	L1T2-5070000000000
5700K	70	280	295	148	160	164	L1T2-5770000000000
6500K	70	280	295	148	160	164	L1T2-6570000000000
2700K	80	200	216	110	118	124	L1T2-2780000000000
3000K	80	210	227	116	124	131	L1T2-3080000000000
3500K	80	220	238	121	130	137	L1T2-3580000000000
4000K	80	230	247	126	136	143	L1T2-4080000000000
5000K	80	230	247	126	136	143	L1T2-5080000000000
2700K	85	170	186	95	102	108	L1T2-2785000000000
3000K	85	180	197	101	108	114	L1T2-3085000000000
3500K	85	190	208	106	114	120	L1T2-3585000000000
4000K	85	200	217	111	120	127	L1T2-4085000000000
5000K	85	200	217	111	120	127	L1T2-5085000000000
2700K	90	160	175	89	96	101	L1T2-2790000000000
3000K	90	170	188	96	103	109	L1T2-3090000000000
5700K	90	200	213	109	117	123	L1T2-5790000000000

Notes:

1. Lumileds maintains a tolerance of ± 2 on CRI and $\pm 6.5\%$ 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 scale.
2. All dimensions are in millimeters.

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