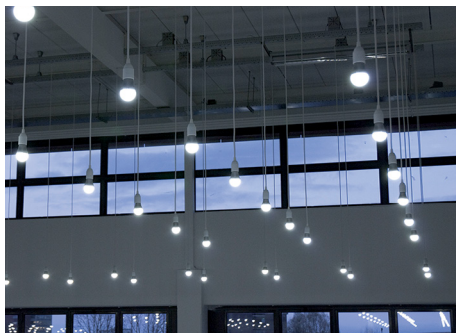
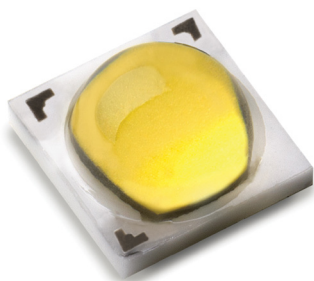




LUXEON T

A bright, versatile and high efficacy emitter



LUXEON T 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 T LEDs are specified, targeted and tested hot, at real world operating temperatures, 85°C, to ensure in-application performance. LUXEON T 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

3 & 5-step MacAdam ellipse: *Freedom from Binning* for superior Quality of Light

Low V_f and thermal resistance enables smaller heatsinks and higher lumens

High luminance and small optical source for precise beam control in directional applications

Superior efficacy and light output from a compact source

PRIMARY APPLICATIONS

Downlights

High Bay & Low Bay

Indoor Area Lighting

Lamps

Outdoor

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

NOMINAL CCT	MINIMUM CRI ⁽¹⁾	LUMINOUS FLUX ⁽²⁾ (lm)		TYPICAL LUMINOUS EFFICACY (lm/W)	TYPICAL LUMINOUS FLUX (lm)	TYPICAL LUMINOUS EFFICACY (lm/W)	PART NUMBER
		MINIMUM	TYPICAL				
		700mA					
3000K	70	200	218	111	117	123	LXH7-FW30
4000K	70	210	249	127	133	140	LXH7-FW40
5000K	70	220	255	130	136	143	LXH7-FW50
5700K	70	220	255	130	136	143	LXH7-FW57
6500K	70	220	255	130	136	143	LXH7-FW65
2700K	80	170	186	95	100	105	LXH8-FW27-x
3000K	80	180	197	101	106	112	LXH8-FW30-x
3500K	80	190	208	106	112	118	LXH8-FW35-x
4000K	80	190	212	108	114	120	LXH8-FW40-x
5000K	80	190	222	113	120	127	LXH8-FW50-x
3000K	95 typ	130	160	82	86	91	LXH9-FW30-x

Notes:

1. Lumileds maintains a tolerance of ± 2 on CRI measurements.
2. Lumileds maintains a tolerance of $\pm 6.5\%$ on luminous flux measurements.

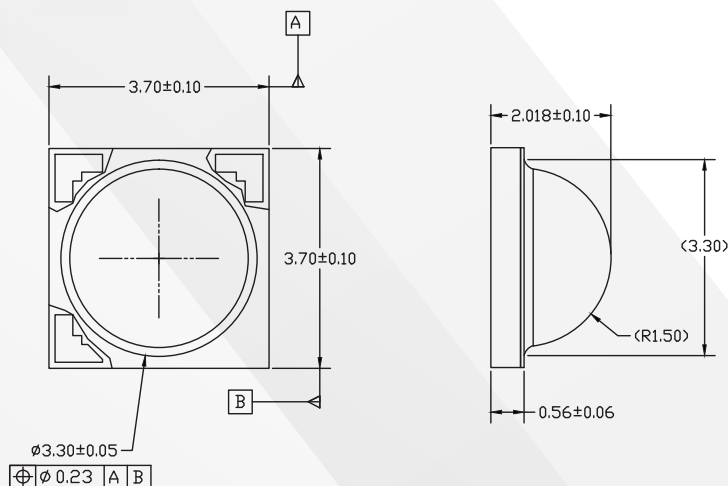
LUXEON T Royal Blue product performance at test current, $T_j=85^{\circ}\text{C}$.

PEAK WAVELENGTH (nm)		RADIOMETRIC POWER (mW)		PART NUMBER
MINIMUM	MAXIMUM	MINIMUM	TYPICAL	
445	460	950	1040	LXH1-FWRB

Notes:

1. Lumileds maintains a tolerance of $\pm 2\text{nm}$ on peak wavelength measurements.

Mechanical Dimensions.



Notes:

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