LUMILEDS

GENERAL ILLUMINATION



LUXEON 3535 HV

High voltage package that reduces system BOM

LUXEON 3535 HV is a mid-power SMD solution available in 24V and 48V configurations. This high voltage architecture allows for freedom of design when an LED project requires less bulky, more efficient drivers and an ultimate cost down on the LED system. Available in a 3535 platform, this product enables interchangeability with other 3535 products and is offered in 1/9th micro-color binning structure.

FEATURES AND BENEFITS

- Multiple voltages available for mixing in a system to optimize total voltage output
- 1/9th micro-color binning enables tight color control
- High voltage for lower current, more efficient and cost effective drivers
- High light output per package allows for reduced LED count
- Excellent current spreading leads to better light extraction
- LM-80 report available

PRIMARY APPLICATIONS

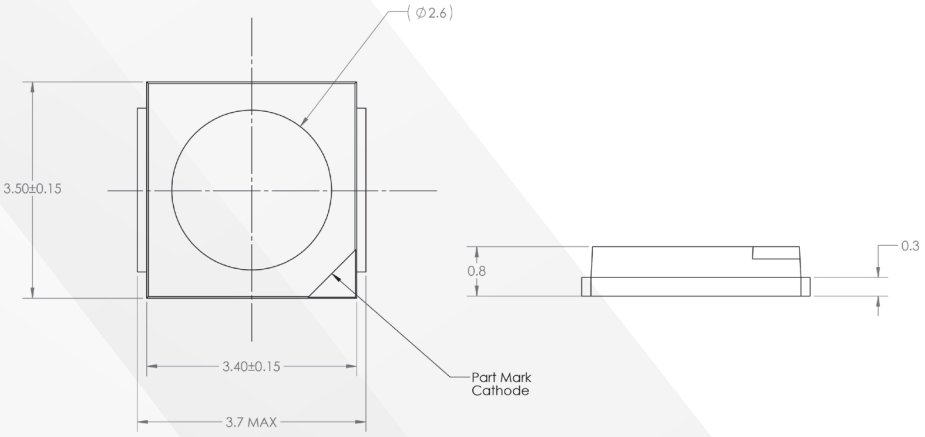
- Downlights
- Lamps

LUXEON 3535 HV product performance at 15mA and 20mA, T_j= 25°C.

VOLTAGE	NOMINAL CCT [1]	MINIMUM CRI [2]	LUMINOUS FLUX [3] (lm)		TYPICAL LUMINOUS EFFICACY (lm/W)	TYPICAL LUMINOUS FLUX (lm)	TYPICAL LUMINOUS EFFICACY (lm/W)	PART NUMBER
			MINIMUM	TYPICAL				
			15mA			20mA		
24	2700K	80	37	41	114	53	110	L135-27800BHV00001
	3000K	80	39	43	119	55	115	L135-30800BHV00001
	4000K	80	42	48	133	61	127	L135-40800BHV00001
	5000K	80	42	48	133	61	127	L135-50800BHV00001
48	2700K	80	71	80	111	102	106	L135-27800CHV00001
	3000K	80	75	84	117	107	111	L135-30800CHV00001
	4000K	80	83	93	129	120	121	L135-40800CHV00001
	5000K	80	83	93	129	120	121	L135-50800CHV00001

Notes:
1. Lumileds maintains a tolerance of ±7.5% on flux measurements.
2. Correlated color temperature is based upon mounted die on highly reflective surface at T_j=25°C.

Mechanical Dimensions.



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