



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



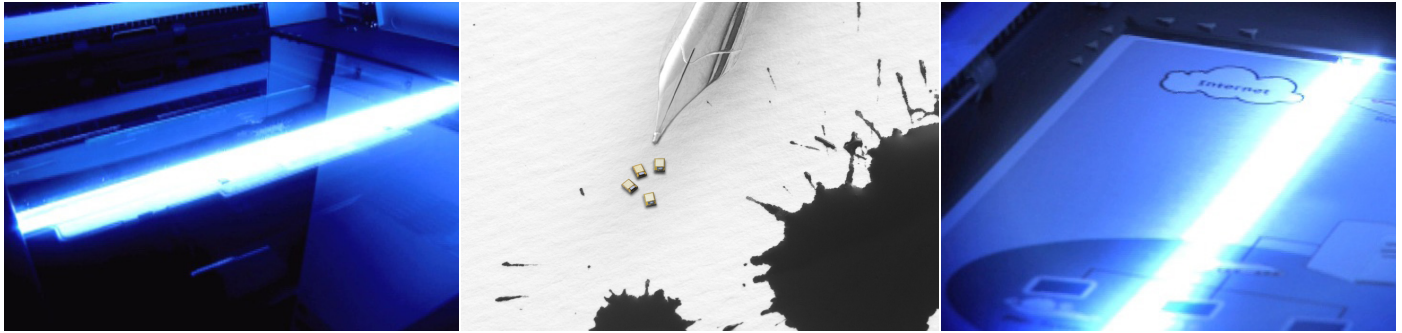
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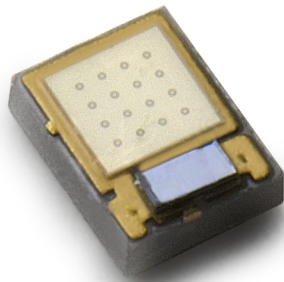
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LUXEON Z UV

Superior flux density, efficiency and design freedom — in the industry's only micro-package UV LED



At 1/5th the size of other ultraviolet and violet LEDs, LUXEON Z UV LEDs, a SMT device, can be assembled in tight arrays with spacing of only 200 microns, which enables high power density (W/cm^2) system for superior efficiency and design freedom. The product is undomed for precise optical control, and a portfolio covering ultraviolet and violet light. The superior quality of light, volume of lumens, and real world efficacy enable leading performance and efficient solution development in a wide variety of indoor and outdoor lighting segments.

FEATURES AND BENEFITS

Offering ultraviolet in 380–400nm and violet (400–430nm) for a range of options

Small 2.2mm² SMT footprint enables highest W/cm^2 systems, design flexibility

1A max drive current allows more flux per LED

Up to 45%+ efficiency reduces heat output

AIN package of as low as 3.5 K/W for better thermal management

PRIMARY APPLICATIONS

Specialty Lighting

LUXEON Z UV product performance at 500mA, T_j=25°C.

WAVELENGTH BIN [1]	RADIOMETRIC POWER ^[2] (mW)		TYPICAL RADIOMETRIC POWER (mW)	PART NUMBER
	MINIMUM	TYPICAL		
	500mA		1000mA	
380–385nm	150	175	370	LHUV-0380-0150
	200	225	475	LHUV-0380-0200
	250	275	580	LHUV-0380-0250
	300	325	685	LHUV-0380-0300
385–390nm	200	225	470	LHUV-0385-0200
	250	275	570	LHUV-0385-0250
	300	325	675	LHUV-0385-0300
	350	375	780	LHUV-0385-0350
390–395nm	300	330	695	LHUV-0390-0300
	350	375	790	LHUV-0390-0350
	400	425	900	LHUV-0390-0400
	450	470	1000	LHUV-0390-0450
395–400nm	350	375	765	LHUV-0395-0350
	400	425	870	LHUV-0395-0400
	450	475	970	LHUV-0395-0450
	500	525	1075	LHUV-0395-0500
400–405nm	400	435	875	LHUV-0400-0400
	450	475	960	LHUV-0400-0450
	500	525	1055	LHUV-0400-0500
405–410nm	500	525	1005	LHUV-0405-0500
	550	575	1100	LHUV-0405-0550
	600	625	1195	LHUV-0405-0600
	650	675	1295	LHUV-0405-0650
410–415nm	500	525	985	LHUV-0410-0500
	550	575	1080	LHUV-0410-0550
	600	625	1160	LHUV-0410-0600
	650	675	1255	LHUV-0410-0650
415–420nm	550	575	1070	LHUV-0415-0550
	600	625	1160	LHUV-0415-0600
	650	675	1250	LHUV-0415-0650
420–425nm	550	575	1060	LHUV-0420-0550
	600	625	1150	LHUV-0420-0600
	650	675	1245	LHUV-0420-0650
425–430nm	550	575	1070	LHUV-0425-0550
	600	625	1165	LHUV-0425-0600
	650	675	1260	LHUV-0425-0650

Notes:

1. Lumileds maintains a tolerance of ±10% on flux measurements.
2. Correlated color temperature is based upon mounted die on highly reflective surface at T_j=25°C.