



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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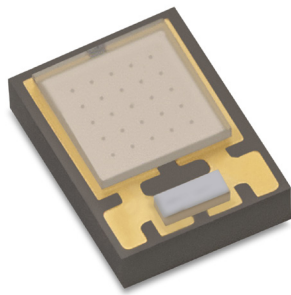
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LUXEON UV U1

Highest power density, superior efficiency, powered by leading Chip Scale Package (CSP) technology



At 1/5th the size of other ultraviolet and violet LEDs, LUXEON UV U1 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 power density, excellent robustness of CSP technology, and real world efficacy enable leading performance and efficient solution development in a wide variety of UV specialty lighting applications.

FEATURES AND BENEFITS

Offering ultraviolet in 380-400nm and violet (400-420nm) for a range of options

Small 2.2mm² SMT footprint enables highest W/cm^2 power density, design freedom

1A max drive current allows more power per LED

Up to 50%+ efficiency reduces heat output

AlN package R_{th} as low as 3.5 K/W for better thermal management

PRIMARY APPLICATIONS

Specialty Lighting

- Analytical Instrumentation
- Curing
- Medical
- Security
- UV Photoreaction

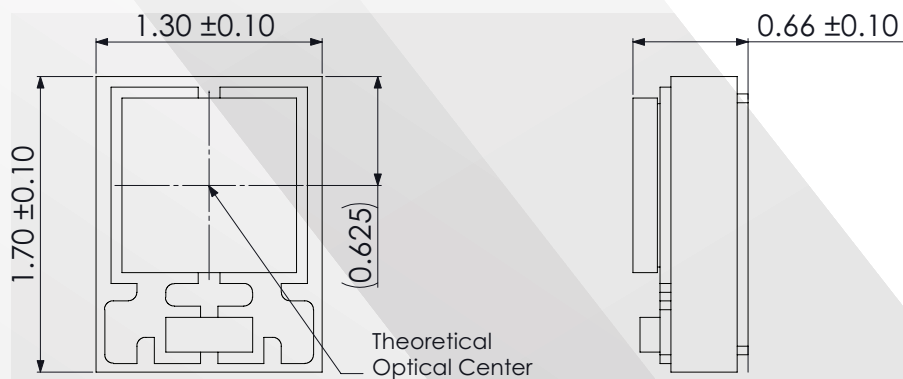
LUXEON UV U1 product performance at 500mA and 1000mA, T_j=25°C.

PEAK WAVELENGTH ^[1]	TYPICAL RADIOMETRIC POWER ^[2] (mW)		PART NUMBER
	500mA	1000mA	
415 ±5nm	575	1093	LHUV-0415-A055
	625	1188	LHUV-0415-A060
	675	1283	LHUV-0415-A065
	725	1378	LHUV-0415-A070
405 ±5nm	575	1093	LHUV-0405-A055
	625	1188	LHUV-0405-A060
	675	1283	LHUV-0405-A065
	725	1378	LHUV-0405-A070
395 ±5nm	525	998	LHUV-0395-A050
	575	1093	LHUV-0395-A055
	625	1188	LHUV-0395-A060
385 ±5nm	675	1283	LHUV-0395-A065
	275	523	LHUV-0385-A025
	325	618	LHUV-0385-A030
	375	713	LHUV-0385-A035
	425	808	LHUV-0385-A040
	475	903	LHUV-0385-A045
	525	998	LHUV-0385-A050
	575	1093	LHUV-0385-A055

Notes:

1. Lumileds maintains a tolerance of ±2nm for peak wavelength measurements.
2. Lumileds maintains a tolerance of ±10% for radiometric power measurements.

Mechanical Dimensions.



Notes:

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

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