







- 1. All dimensions are in millimeters (inches).
- 2. Tolerance is ±0.25mm (.010") unless otherwise noted.
- 3. Protruded resin under flange is 1.0mm (.04") max.
- 4. Lead spacing is measured where the leads emerge from the package.
- 5. Specifications are subject to change without notice.
- 6. Precautions for ESD:

STATIC SHIELD Electricity and surge damages the LED. It is recommended to use a wrist band or anti-electrostatic glove when handling the LED. All devices, equipment and machinery must be properly grounded.

7. This data-sheet only valid for six months.

Part No.	LL-U45Z1C-004	Spec No.	S/N-04012812S	Page	2 <b>of</b> 4
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## **Absolute Maximum Ratings at Ta=25**

Parameter	MAX.	Unit		
		0111		
Power Dissipation	120	mW		
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	100	mA		
Continuous Forward Current	30	mA		
Derating Linear From 50	0.4	mA/		
Reverse Voltage	5	V		
Operating Temperature Range	-40 to +80			
Storage Temperature Range	-40 to +80			
Lead Soldering Temperature [4mm(.157") From Body]	260 for 5 Seconds			

## **Electrical Optical Characteristics at Ta=25**

Parameter	Symbol	Min.	Тур.	Max.	Unit	Test Condition
Luminous Intensity	v	140	380	750	mcd	I <sub>f</sub> =20mA (Note 1)
Viewing Angle	2 1/2	125	135	145	Deg	(Note 2)
Peak Emission Wavelength	р	520	525	530	nm	I =20mA
Dominant Wavelength	d	520	530	540	nm	I <sub>f</sub> =20mA (Note 3)
Spectral Line Half-Width		30	35	40	nm	I =20mA
Forward Voltage	Vf	2.8	3.2	4.0	V	I f=20mA
Reverse Current	R			100	μA	V <sub>R</sub> =5V

## Notes:

- 1.Luminous intensity is measured with a light sensor and filter combination that approximates the CIE eye-response curve.
- 2. 1/2 is the off-axis angle at which the luminous intensity is half the axial luminous intensity
- **3.**The dominant wavelength ( d) is derived from the CIE chromaticity diagram and represents the single wavelength which defines the color of the device.

Part No.	LL-U45Z1C-004	Spec No.	S/N-04012812S	Page	3 <b>of</b> 4
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