

Preliminary

LL-U26B3C-008

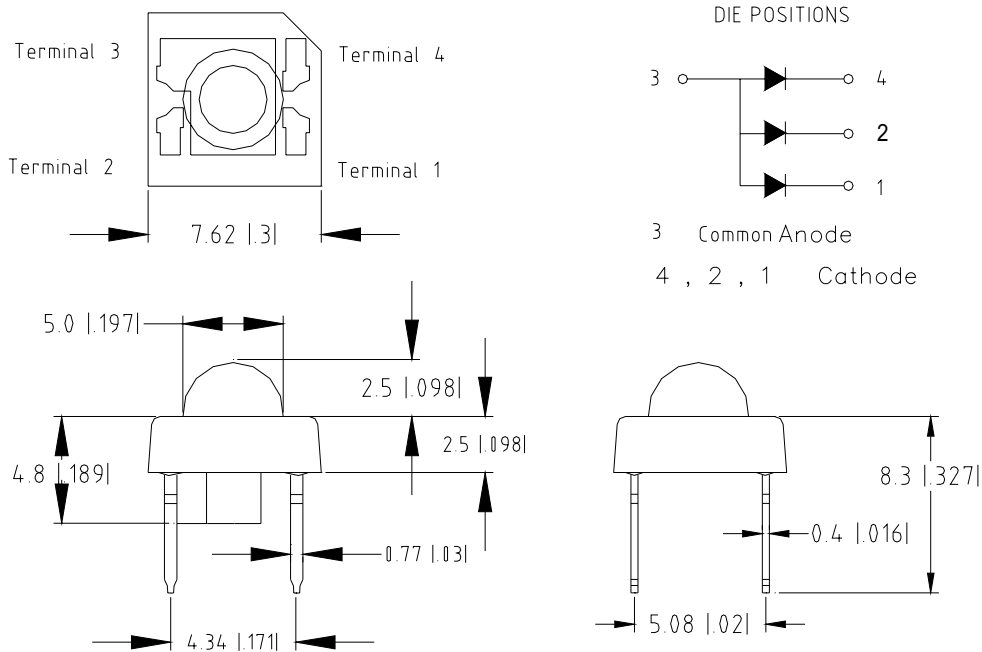
DATA SHEET

QC:

ENG:

Prepared By:

Package Dimensions:



Part NO.	Chip Material	Lens Color	Source Color
LL-U26B3C-008	InGaN	Water Clear	Super Bright Blue

Notes:

- All dimensions are in millimeters (inches).
- Tolerance is $\pm 0.25\text{mm}$ (.010") unless otherwise noted.
- Protruded resin under flange is 1.0mm (.04") max.
- Lead spacing is measured where the leads emerge from the package.
- Specifications are subject to change without notice.
- Precautions for ESD:
Static electricity and surge can 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.
- This data-sheet only valid for six months.

Absolute Maximum Ratings at Ta=25

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

Electrical Optical Characteristics at Ta=25

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	I_v	360	850	---	mcd	$I_f=20\text{mA}$ (Note 1)
Viewing Angle(Per Chip)	$2\theta_{1/2}$	60	70	80	Deg	(Note 2)
Peak Emission Wavelength	λ_p	463	468	473	nm	$I_f=20\text{mA}$
Dominant Wavelength	λ_d	460	470	480	nm	$I_f=20\text{mA}$ (Note 3)
Spectral Line Half-Width	λ	30	35	40	nm	$I_f=20\text{mA}$
Forward Voltage(Per Chip)	V_f	2.8	3.5	4.0	V	$I_f=20\text{mA}$
Reverse Current(Per Chip)	I_R	---	---	100	μA	$V_R=5\text{V}$

Notes:

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

Typical Electrical / Optical Characteristics Curves
 (25 Ambient Temperature Unless Otherwise Noted)

