



# LBL05AF-25

## LIGHT EMITTING DIODE

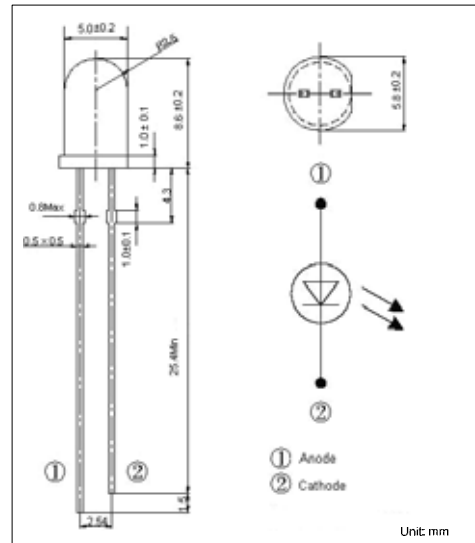
### LED LAMP

#### DESCRIPTION

25 Degree 5mm Round LED Lamp in High Blue Color with Water Clear Lens and Stopper. Dice Material: InGaN

#### APPLICATION

- \* Advertising Signs
- \* Indicators
- \* Traffic
- \* Automotive Lighting



#### ORDERING INFORMATION

Ordering Number
LBL05AF-25

<p>L B L 0 5 A F - 2 5</p>	<ul style="list-style-type: none"> <li>(1)View Angle</li> <li>(2)Package Outline</li> <li>(3)Encapsulate Type</li> <li>(4)Diameter of Lamp</li> <li>(5)Color Type</li> <li>(6)Product Type</li> </ul>	<ul style="list-style-type: none"> <li>(1) 25: 25°±3°</li> <li>(2) F: Round with Brim</li> <li>(3) A: Colorless Transparent</li> <li>(4) 05: Φ5</li> <li>(5) BL: Blue</li> <li>(6) L: Lamp</li> </ul>
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■ ABSOLUTE MAXIMUM RATINGS (Ta=25 )

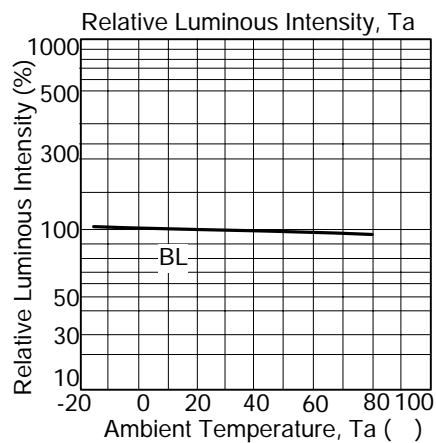
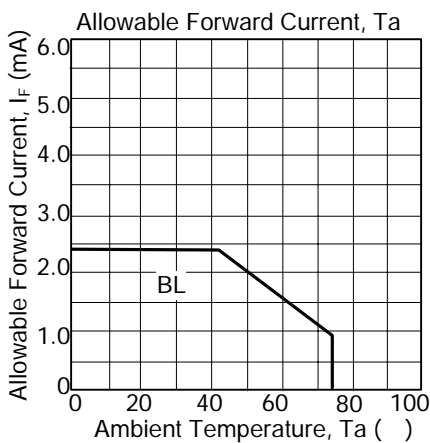
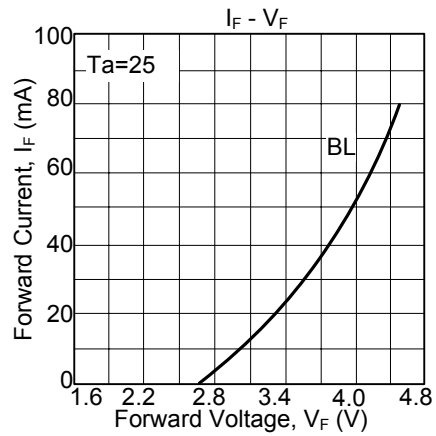
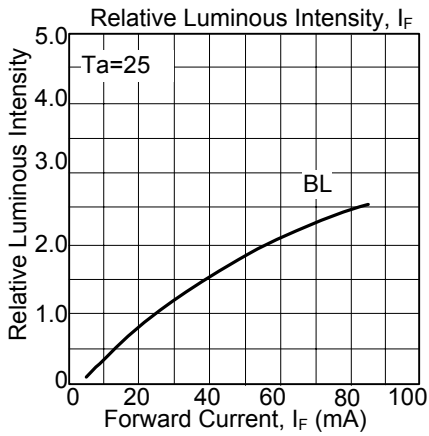
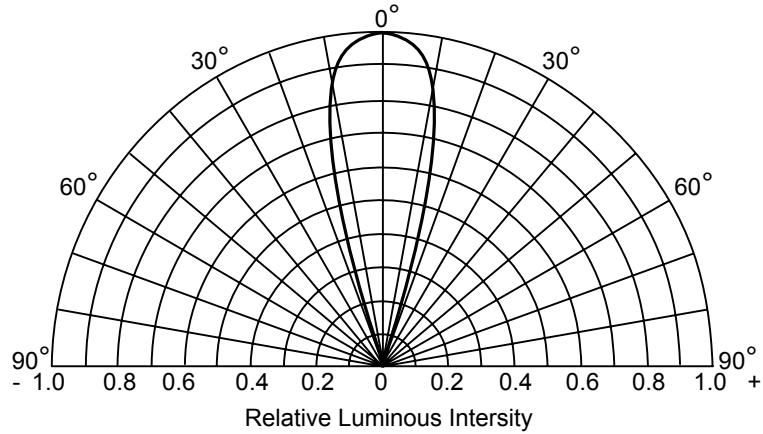
PARAMETER	SYMBOL	RATINGS	UNIT
Forward Current	I <sub>F</sub>	20	mA
Peak Forward Current	I <sub>fp</sub>	80	mA
Power Dissipation	P <sub>D</sub>	100	mW
Reverse Voltage	V <sub>r</sub>	5	V
Lead Soldering Temperature	T <sub>sol</sub>	MAX 260 for 3sec max (3mm from the base of the epoxy bulb)	
Electrostatic Discharge Classification	ESD	CLASS1	
Operating Temperature	T <sub>OPR</sub>	-40 ~ +85	
Storage Temperature	T <sub>STG</sub>	-40 ~ +100	

Note: Absolute maximum ratings are those values beyond which the device could be permanently damaged.  
 Absolute maximum ratings are stress ratings only and functional device operation is not implied.

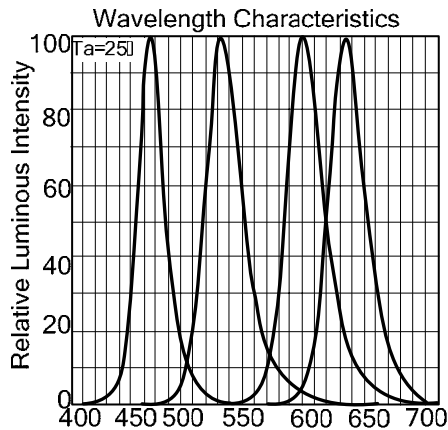
■ ELECTRICAL OPTICAL CHARACTERISTICS

PARAMETER	SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNIT
Dominant Wavelength	λ <sub>d</sub>	I <sub>F</sub> =20mA	465		470	nm
Luminous Intensity	I <sub>V</sub>	I <sub>F</sub> =20mA	1500		3000	mcd
Viewing Angle	2θ <sub>1/2</sub>	I <sub>F</sub> =20mA		25		deg
Forward Voltage	V <sub>F</sub>	I <sub>F</sub> =20mA	3.0		3.6	V
Reverse Current	I <sub>R</sub>	V <sub>R</sub> =5V	0		10	μA

■ TYPICAL ELECTRO-OPTICAL CHARACTERISTICS CURVES



■ TYPICAL ELECTRO-OPTICAL CHARACTERISTICS CURVES(Cont.)



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