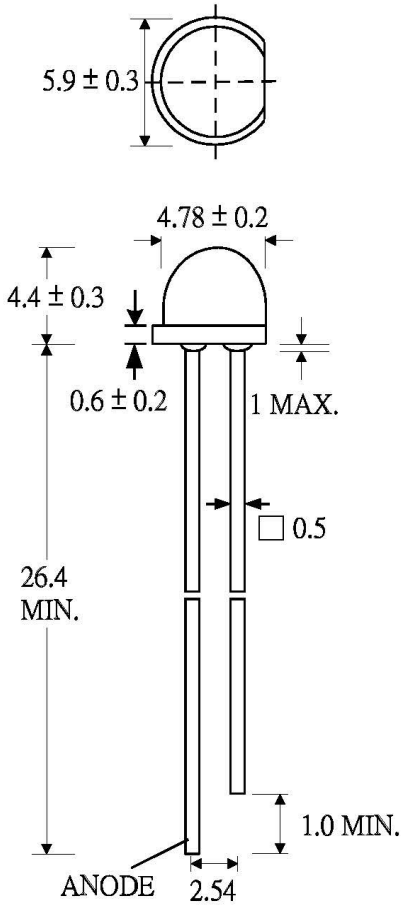
DESCRIPTION

- Super bright LED Lamp
- Round type
- Lens color: Water Clear
- With Flange
- Solder leads without stand-off
- Compliant with RoHS

FEATURES

- Emitted color: Super Blue
- High Luminous intensity
- Technology: InGaN
- Peak wavelength λ_p = 468nm
- Viewing angle: 80°



Notes:
1. All dimensions are in millimeter.
2. Lead spacing is measured where the lead emerge from the package.

SELECTION GUIDE

Chip Material	Chip Emitted	Lens Color	Viewing Angle
InGaN	Super Blue	Water Clear	80°

FLYiNG
INTERNATIONAL

ABSOLUTE MAXIMUM RATINGS

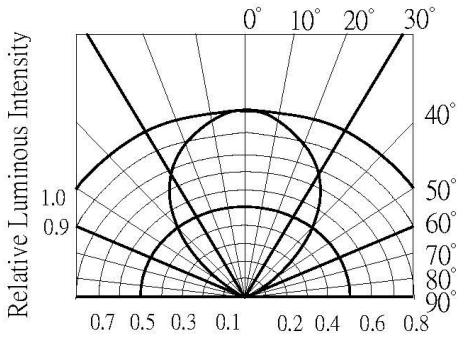
(Ta=25℃)

PARAMETER	SYMBOL	MAX. RATING	Unit
Power Dissipation	P_D	95	mW
Peak Forward Current (1/10 Duty Cycle @1KHz)	I_{FP}	100	mA
Reverse Voltage	V_R	5.0	V
Operating Temperature Range	T_{OPR}	-40~+85	℃
Storage Temperature Range	T_{STG}	-40~+100	℃
Solder temperature 1.6 mm from body for 3 seconds at 260℃			

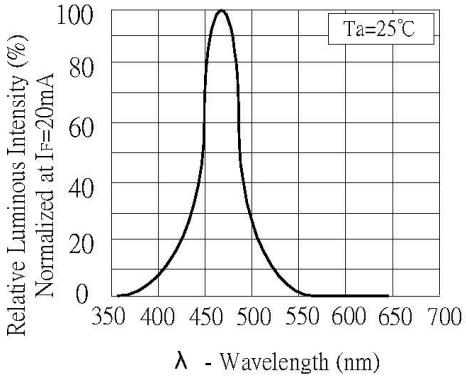
OPTICAL-ELECTRICAL CHARACTERISTICS

PARAMETER	SYMBOL	TEST CONDITION	MIN	TYP	MAX	UNIT
Luminous Intensity	I_V	I_F = 20mA	1000	1500		mcd
Forward Voltage	V_F	I_F = 20mA		3.2	3.8	V
Reverse Current	I_R	V_R = 5V			10	uA
Viewing Angle	2θ1/2	I_F = 20mA		80		deg.
Peak Wavelength	λ_P	I_F = 20mA		468		nm
Dominant Wavelength	λ_D	I_F = 20mA		470		nm
Spectrum Radiation Bandwidth	△λ	I_F = 20mA		30		nm

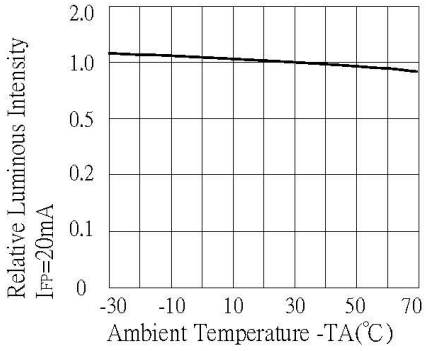
TYPICAL OPTICAL-ELECTRICAL CHARACTERISTIC CURVES



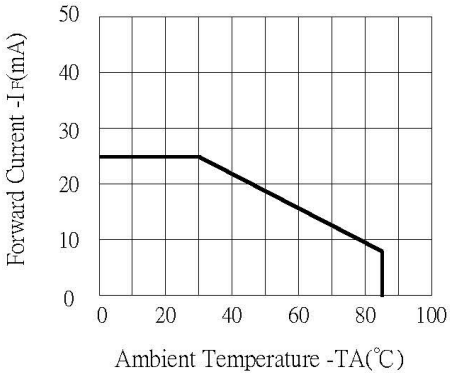
RADIATION DIAGRAM



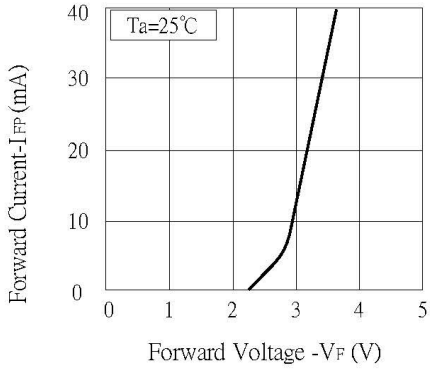
RELATIVE LUMINOUS INTENSITY Vs. WAVELENGTH



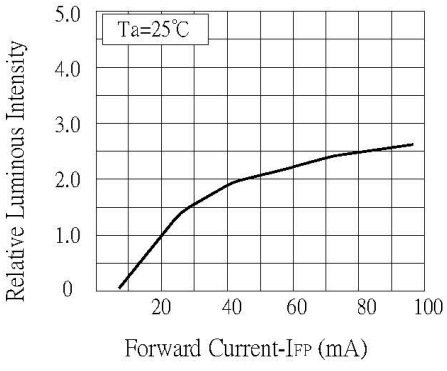
LUMINOUS INTENSITY Vs. AMBIENT TEMPERATURE



MAX FORWARD CURRENT Vs. AMBIENT TEMPERATURE



FORWARD CURRENT Vs. FORWARD VOLTAGE



LUMINOUS INTENSITY Vs. FORWARD CURRENT

FLYiNG INTERNATIONAL