



LED DATA SHEET

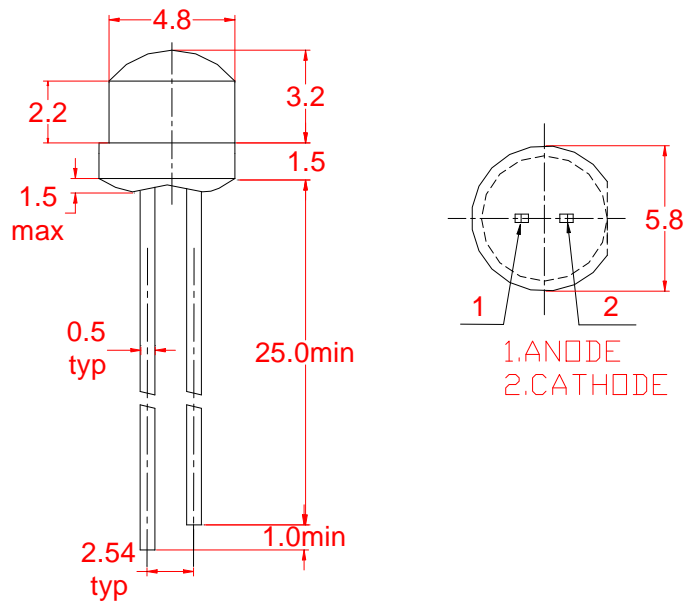


Part No.	LUW56743		
Emitted Color	Ultra Super White	Len's Color	Water Clear

Features:

- 5mm Round resin mold type
- High intensity and reliable
- Chip material: InGaN

Package Dimensions:



Note:

- 1、 All dimensions are in millimetres (mm)
- 2、 Tolerance is $\pm 0.25\text{mm}$ unless otherwise noted

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◆ Absolute Maximum Rating (Ta=25°C)

Parameter	Symbol	Max.	Unit
Power Dissipation	P_M	125	Mw
Pulse Forward Current (Duty 1/10 @ 1kHz)	I_{FP}	120	mA
Continuous Forward Current	I_F	50	mA
Reverse Voltage	V_R	6	V
Operating Temperature Range	T_{opr}	-25°C ~ 85°C	°C
Storage Temperature Range	T_{stg}	-40°C ~ 100°C	°C
Solder Temperature: 2.0mm From Body For 3 Seconds at 260°C			

◆ Electrical Optical Characteristics (Ta=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	I_V	--	2000	3000	mcd	$I_F = 20mA$
Forward Voltage	V_F	--	3.2	3.8	V	$I_F = 20mA$
Reverse Current	I_R	--		50	uA	$V_R = 5V$
Chromaticity Coordinate	X	--	0.28	--	nm	$I_F = 20mA$
	y	--	0.29	--		$I_F = 20mA$
Viewing Angle	$2\theta_{1/2}$	--	110	--	Deg.	$I_F = 20mA$

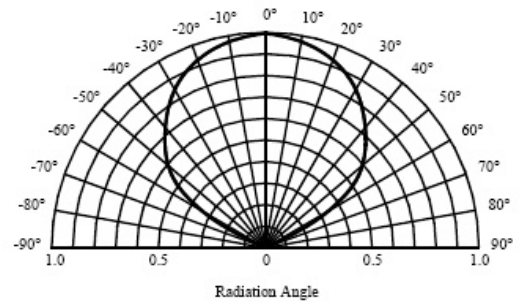
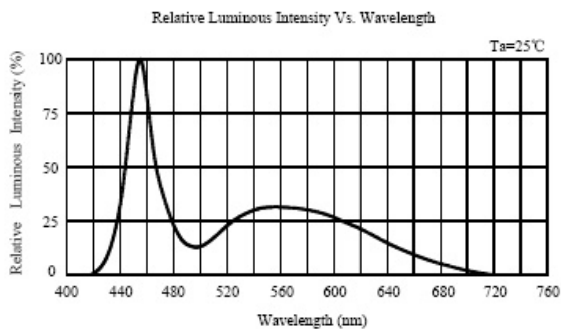
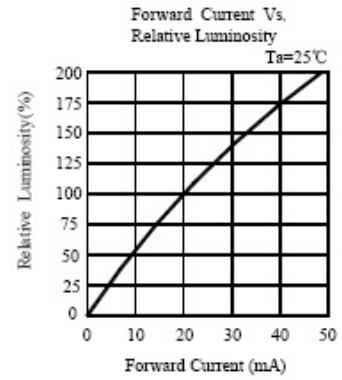
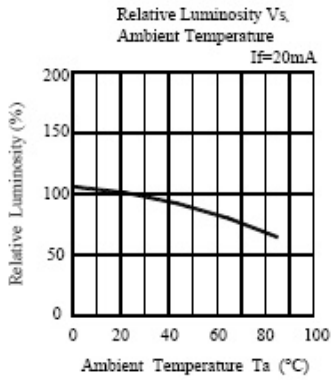
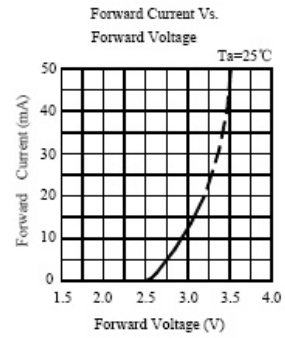
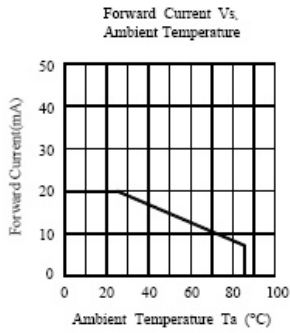
Note:

- 1、The luminous intensity data and λ_p is survey values with the machine JF- II 、 JS-2000.
- 2、 $2\theta_{1/2}$ is the clip angle at which the luminous intensity is half the axial luminous intensity.

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Typical Characteristic Curves:



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