



# LED DATA SHEET

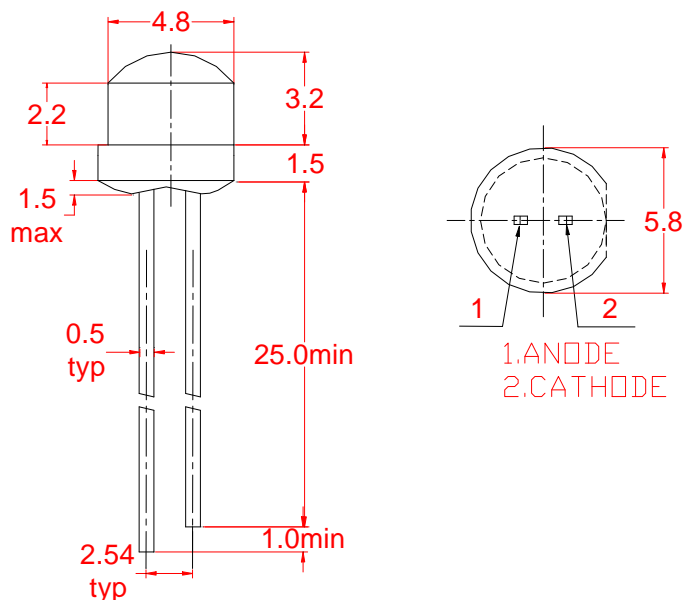


Part No.	LUW56743		
Emitted Color	Ultra Super White	Len's Color	Water Clear

**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.	$I_F = 20mA$

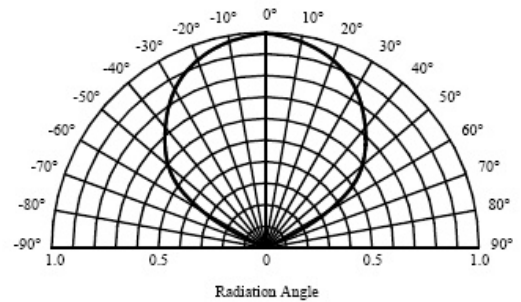
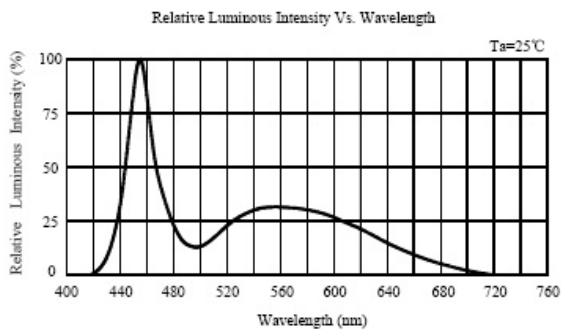
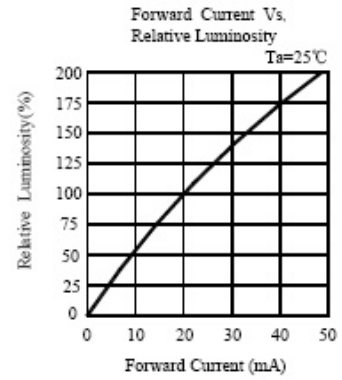
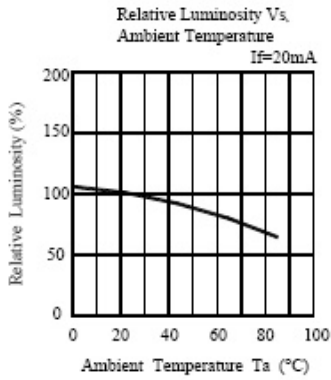
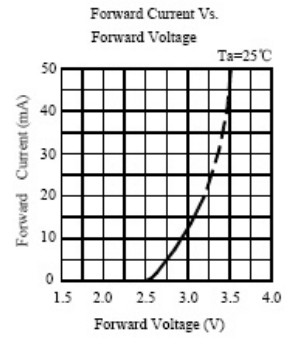
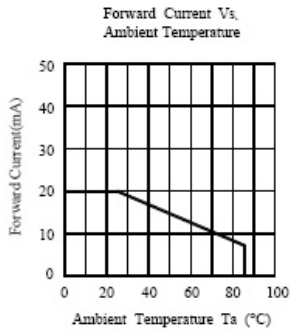
Note:

- 1、 The luminous intensity data and  $\lambda_p$  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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