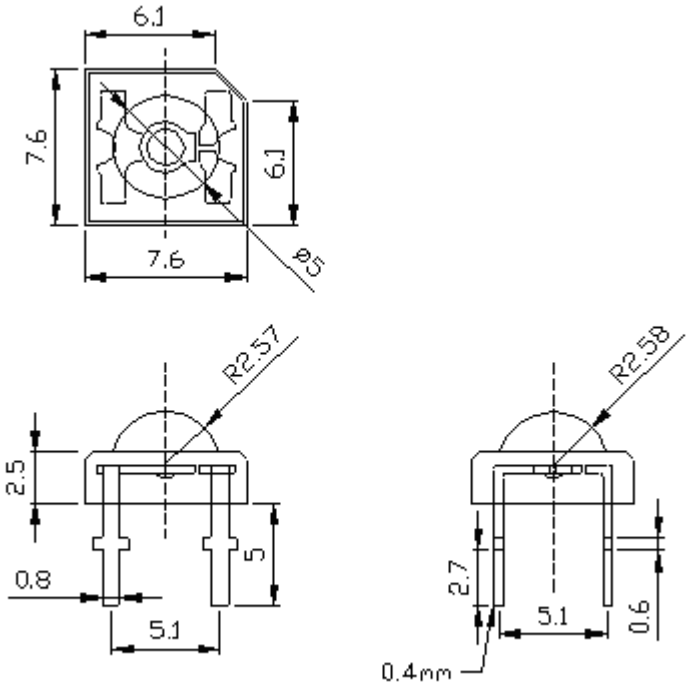
Features：

- Pb free product—RoHS compliant
- Low power consumption,High efficiency
- Wide viewing angle, High intensity
- I.C. compatible/low current requirement
- Versatile mounting on p.c. board or pannel
- General purpose leads

Package Dimension:



Part NO.	Lens Color	Source Color
LS-5MSRY-UWC	Water Clear	Warm White

Notes:

1.All dimensions are in millimeters .

2.Tolerance is ±0.20mm unless otherwise noted.

3.Protruded resin under flange is 1.0mm max

4.Lead spacing is measured where the leads emerge from the package.

5. Caution in ESD:

Static Electricity and surge damages the LED. lt is recommend to use a wrist band or anti-electrostatic glove when handling the LED. All devices, equipment and machinery must be properly grounded.

Absolute Maximum Ratings at Ta=25℃

Parameter	MAX.	Unit
Power Dissipation	100	mW
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	150	mA
Continuous Forward Current	30	mA
Dreading Linear From 50℃	0.4	mA/℃
Reverse Voltage	5	V
Operating Temperature Range	-40℃to +85℃	
Storage Temperature Range	-40℃to +105℃	
Lead Soldering Temperature [4mm(.157") From Body]	260℃for 5 Seconds	

Electrical Optical Characteristics at Ta=25℃

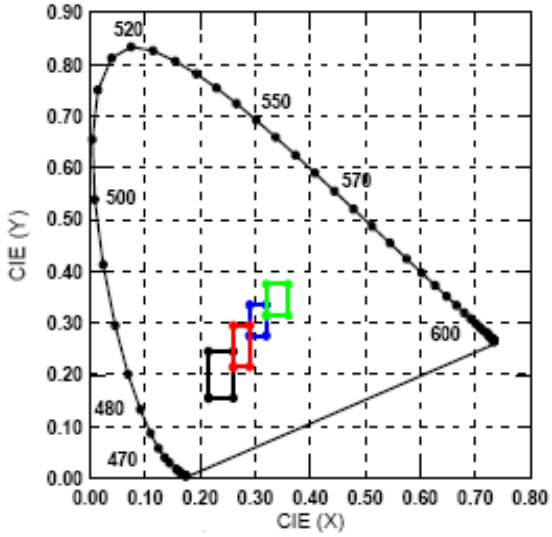
Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	Iv	2000	---	3000	mcd	If=20mA (Note 1)
Viewing Angle	2θ1/2	---	90	---	Deg	(Note 2)
$x = \frac{X}{X+Y+Z} = \frac{\mathrm{Re}\,d}{\mathrm{Re}\,d+Green+Blue}$	x	---	0.29	---	---	IF=20mA (Note 3)
$y = \frac{Y}{X+Y+Z} = \frac{Green}{\mathrm{Re}\,d+Green+Blue}$	y	---	0.29	---	---	IF=20mA (Note 3)
Forward Voltage	VF	3.0	3.2	3.4	V	IF=20mA
Reverse Current	IR	---	---	10	μA	VR=5V

Note:

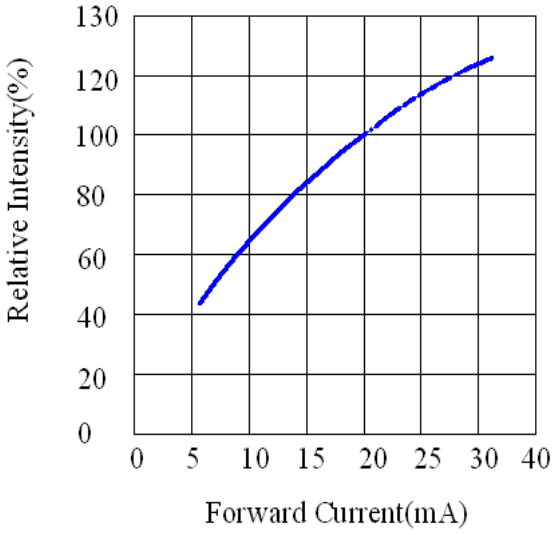
1. Luminous intensity is measured with a light sensor and filter combination that approximates the CIE eye-response curve.
2. $\theta_{1/2}$ is the off-axis angle at which the luminous intensity is half the axial luminous intensity.
3. It use many parameters that correspond to the CIE 1931 2°. X,Y, and Z are CIE 1931 2° values of Red, Green and Blue content of the measurement.

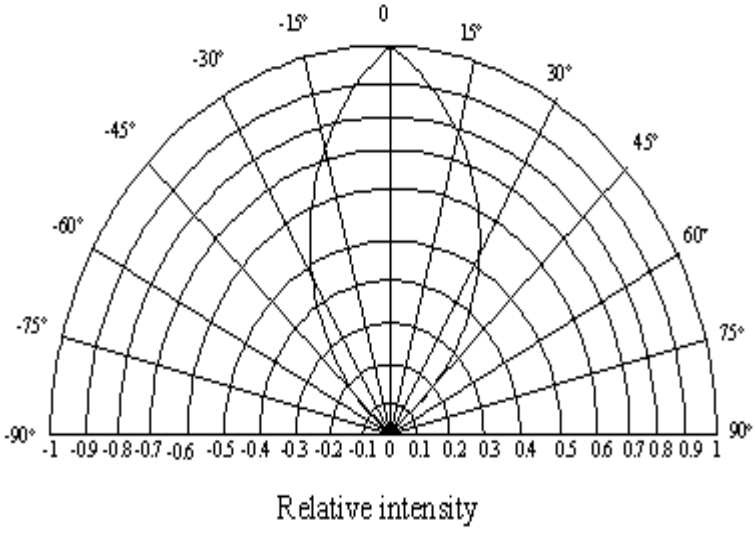
Typical Electrical / Optical Characteristics Curves

(25℃ Ambient Temperature Unless Otherwise Noted)



Relative Intensity vs.Forward Current





Forward Voltage vs.Forward Current