

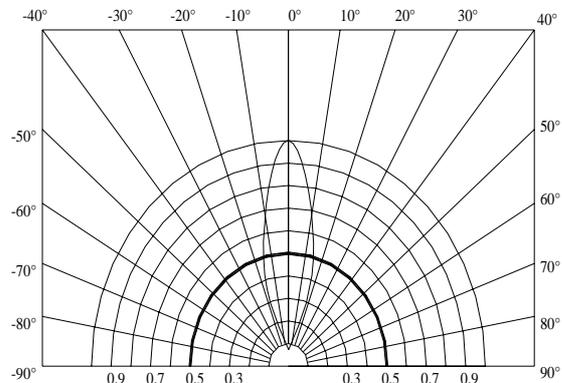
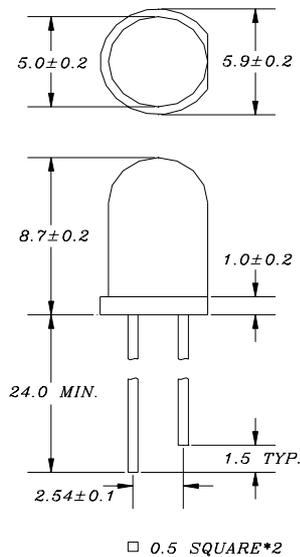
## Data Sheet

PRODUCT MODEL	EMITTING COLOR	MATERIAL
SS5W4UFDC	white	InGaAlN

### Features:

1. Low power consumption
2. High efficiency
3. Reliable and rugged
4. Chip Material: InGaN
5. Lens Color: Water Transparent
6. Source Color: White

### Outline Dimensions:



### Note :

1. All dimensions are in millimeters (inches)
2. Tolerance is  $\pm 0.25\text{mm}$  (.010") unless otherwise noted
3. Protruded resin under flange is 1.0mm (.04") max.
4. Lead spacing is measured where the leads emerge from the package.
5. Specifications are subject to change without notices.

**Absolute Maximum Ratings at Ta=25 :**

<b>Parameter</b>	<b>Maximum</b>	<b>Unit</b>
Power Dissipation	120	mW
Peak Forward Current (1/10 Duty Cycle,0.1ms Pulse Width)	100	mA
Continuous Forward Current	30	mA
Derating Linear From 50	0.5	mA/
Reverse Voltage	5	V
Operating temperature range	-20 to + 80	
Storage Temperature Range	-30 to + 100	
Lead Soldering Temperature [1.6mm(0.63") from body]	260 for 3 Seconds	

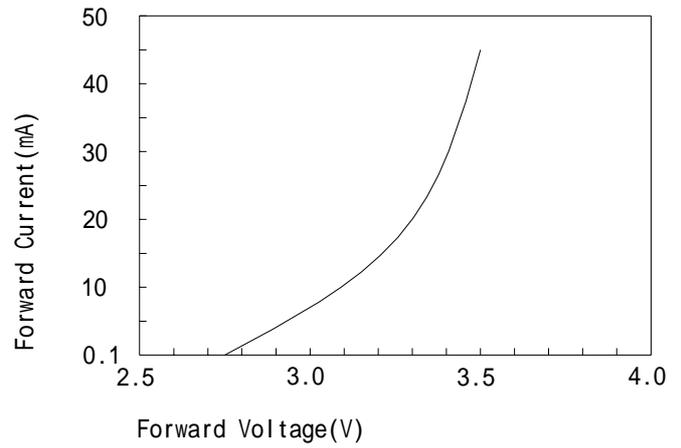
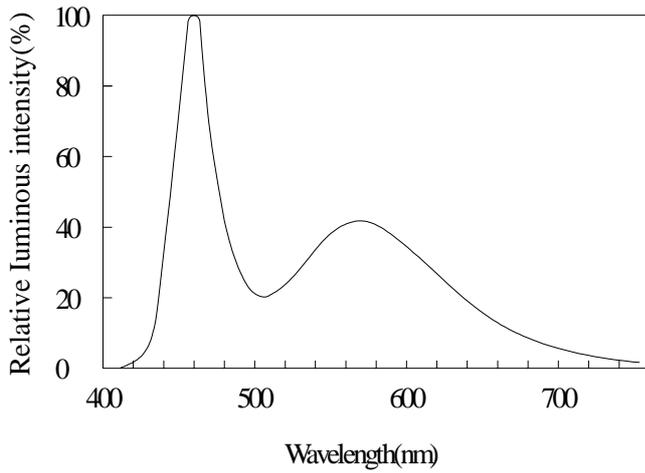
**Electrical/Optical Characteristics at Ta=25 :**

<i>Parameter</i>	<i>Symbol</i>	<b>Test Condition</b>	<b>Min.</b>	<b>Typ.</b>	<b>Max.</b>	<b>Unit</b>
Luminous Intensity	$I_v$	$I_F=20mA$	24000		28000	mcd
Viewing Angle	2 1/2	$I_F=20mA$		15		deg
Forward Voltage	$V_F$	$I_F=20mA$		3.30	3.80	V
Reverse Current	$I_R$	$V_R=5V$			100	$\mu A$
Color Rendering	Spm	X	0.30		0.44	
Index Calculation	Spm	Y	0.28		0.43	

**Typical Electrical/Optical Characteristics Curve:**

(25 Ambient Temperature Unless Otherwise Fig2. Forward Current vs. Forward

Noted)Fig1. Relative Intensity vs. Wavelength Voltage



**Fig3. Relative Intensity vs. Forward Current**

**Fig4. Forward Voltage vs. Temperature**

