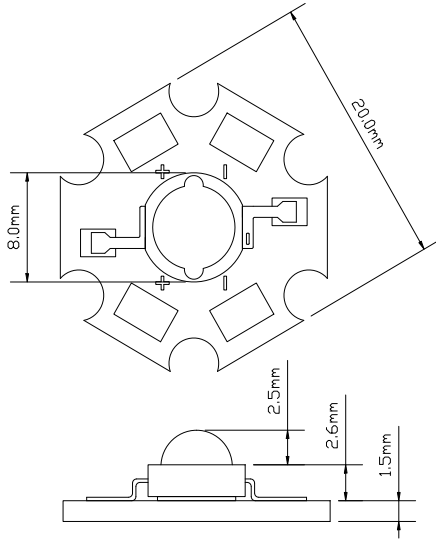


## Package Dimensions



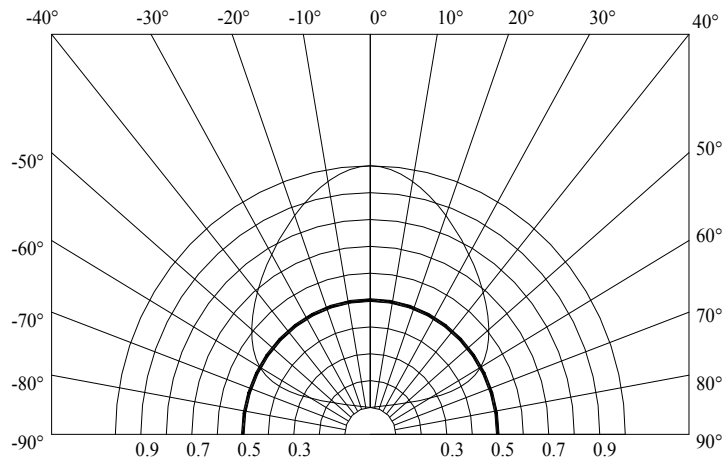
## Material's Picture



## Notes

1. All dimensions are in millimeters (inches).
2. Tolerance is  $\pm 0.25\text{mm}$  (0.010") unless otherwise noted.
3. Protruded resin under flange is 1.0mm (0.04") max.
4. Lead spacing is measured where the leads emerge from the package.
5. Specifications are subject to change without notice.

## Spatial Distribution



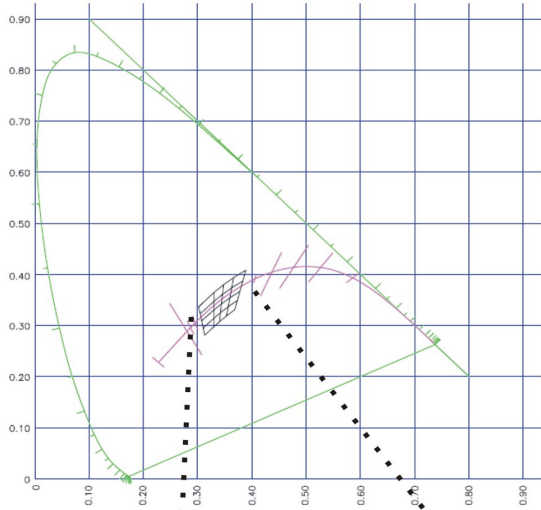
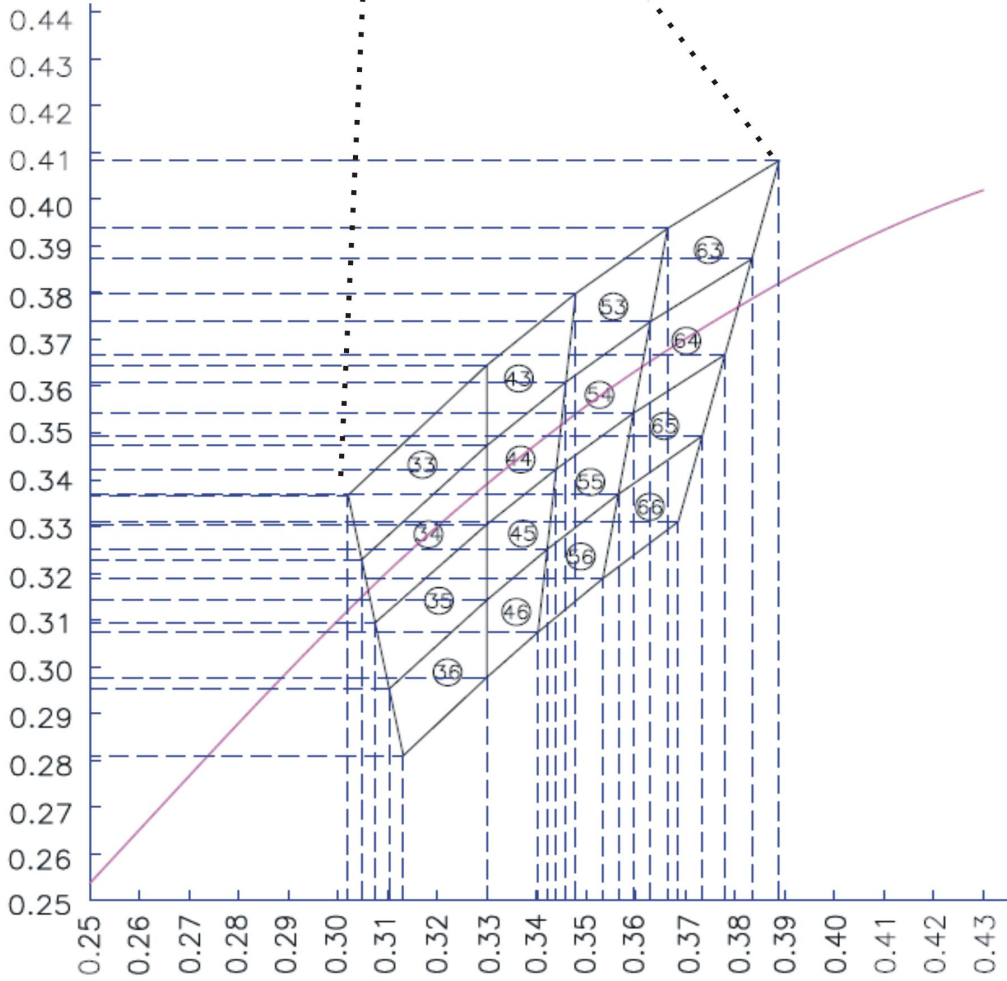
**Electrical / Optical Characteristics at TA=25°C**

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	$\Phi$	100		200	lm	IF =700mA
Viewing Angle	$2\theta_{1/2}$		140		deg	IF =700mA
Domain Wavelength	Tc	450		455	nm	IF =700mA
Spectral Line Half-Width	$\Delta\lambda$				nm	IF =700mA
Forward Voltage	VF	7.00	7.30	7.50	V	IF =700mA
Reverse Current	IR			20	$\mu$ A	VR = 5V

**Absolute Maximum Ratings at TA=25°C**

Parameter	Maximum Rating
Power Dissipation	5W
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	1400mA
Continuous Forward Current	700mA
Derating Linear From 30°C	0.8mA/°C
Reverse Voltage	5V
Operating Temperature Range	-20°C to + 80°C
Storage Temperature Range	-30°C to + 100°C
Temperature [1.6mm(.063") From Body]	260°C for 5 Seconds

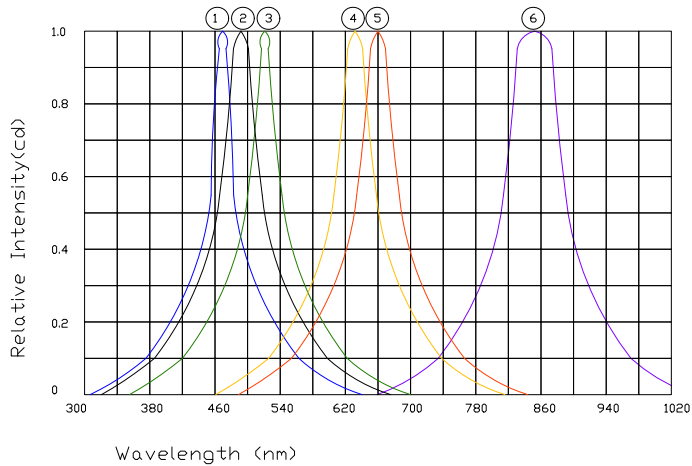
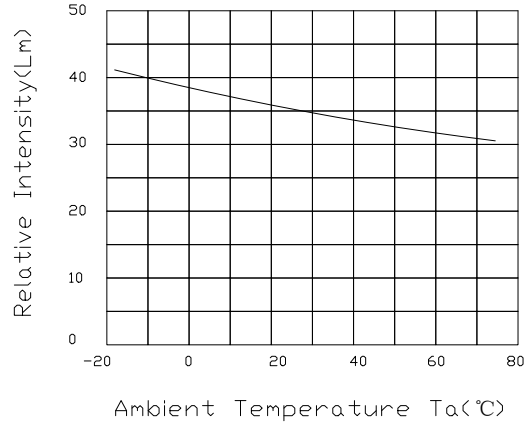
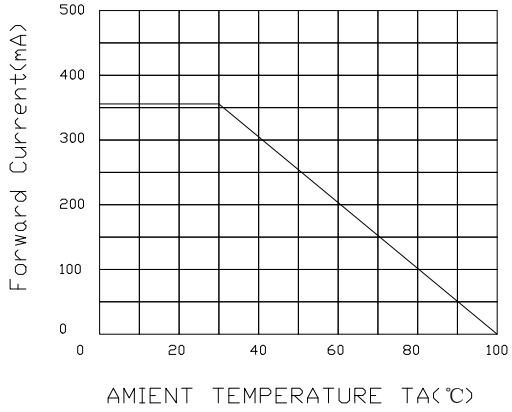
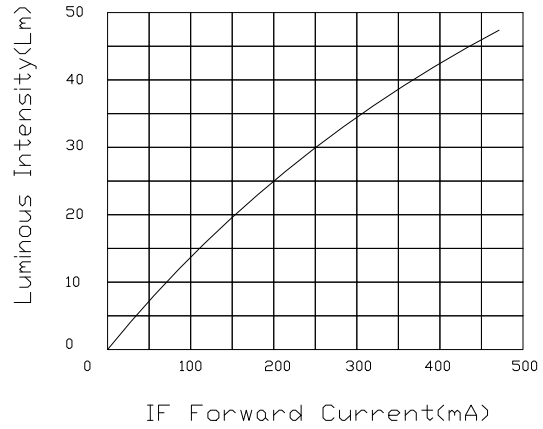
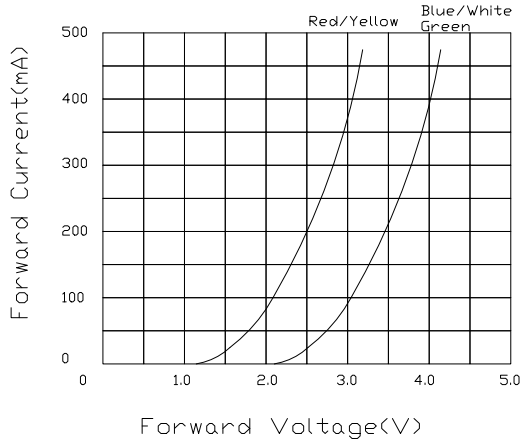
# Chromaticity Coordinate Groups



2500 3000 3500 4000 4500 5000 5500 6000 6500 7000 7500 8000 8500 9000 9500 10000 10500 11000 11500 12000

COLOR TEMPERATURE

# HIGH POWER LED Typical Electro-Optical Characteristics Curves



- ① Blue Lamp(InGaN)
- ② White Lamp(InGaN)
- ③ Pure Green Lamp(InGaN)
- ④ Yellow Green Lamp(AlInGaP)
- ⑤ Red Lamp(AlInGaP)
- ⑥ Infrared Lamp(850nm)