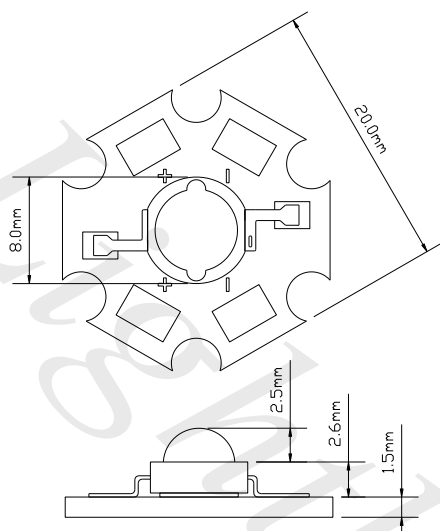


SPECIFICATION FOR APPROVAL

Package Dimensions

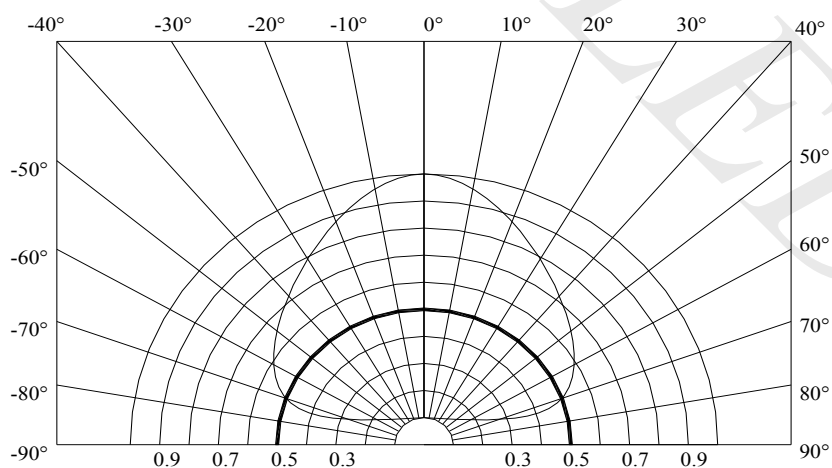
Material's Picture



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



SPECIFICATION FOR APPROVAL

Electrical / Optical Characteristics at TA=25°C

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	Φ	160	180	200	lm	IF =750mA
Viewing Angle	2θ 1/2		140		deg	IF =750mA
Domain Wavelength	Tc	6000	6250	6500	K	IF =750mA
Spectral Line Half-Width	$\Delta \lambda$				nm	IF =750mA
Forward Voltage	VF	3.20	3.40	3.60	V	IF =750mA
Reverse Current	IR			20	μ A	VR = 5V

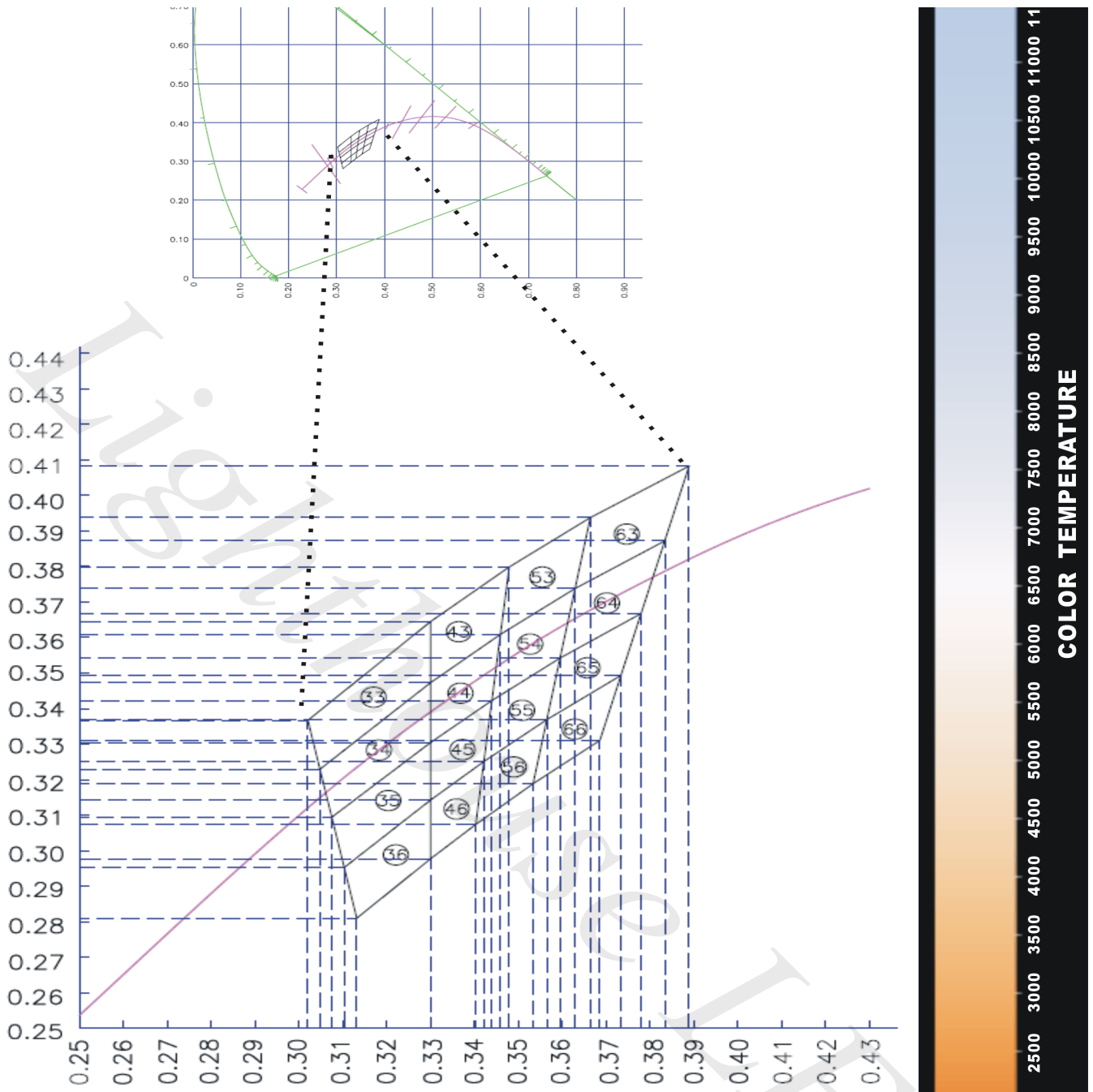
Absolute Maximum Ratings at TA=25°C

Parameter	Maximum Rating
Power Dissipation	3W
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	1000mA
Continuous Forward Current	750mA
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
Lead Soldering Temperature [1.6mm(.063") From Body]	260°C for 5 Seconds

SPECIFICATION FOR APPROVAL

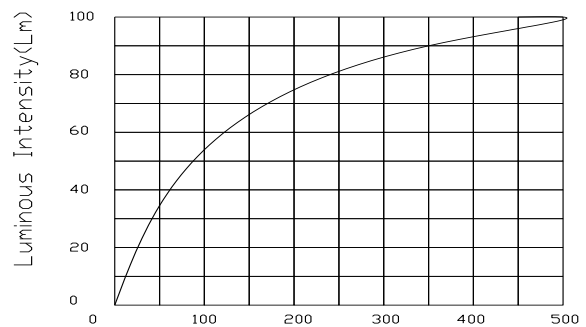
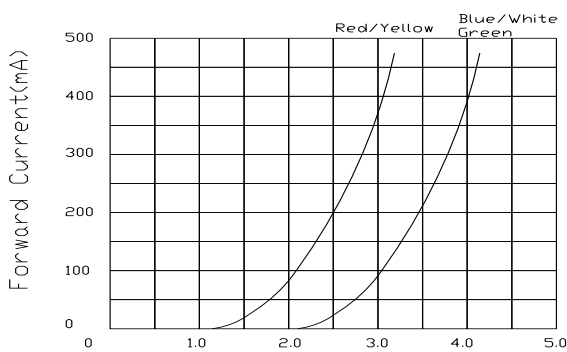
Chromaticity Coordinate Groups



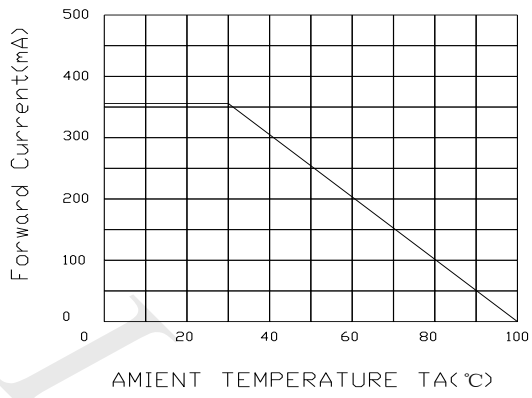


SPECIFICATION FOR APPROVAL

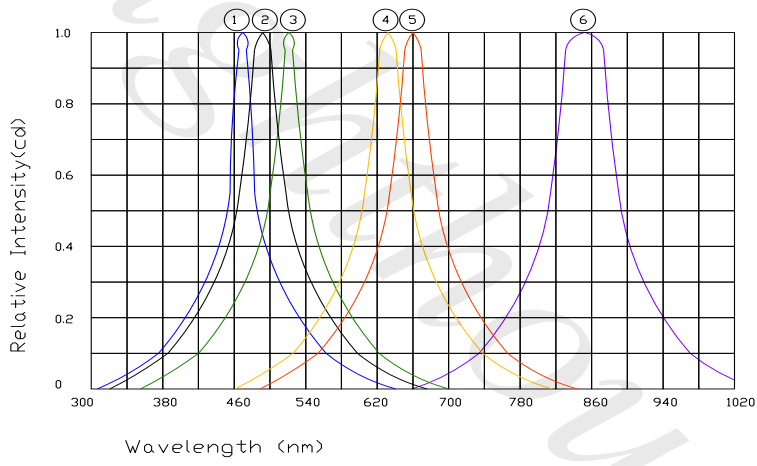
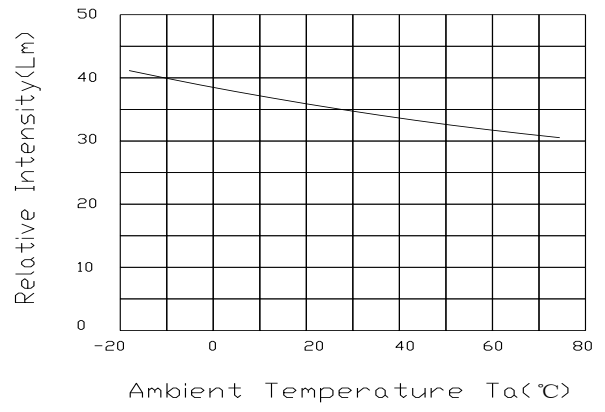
HIGH POWER LED Typical Electro-Optical Characteristics Curves



Forward Voltage(V)



IF Forward Current(mA)



- 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)

MS e LED S