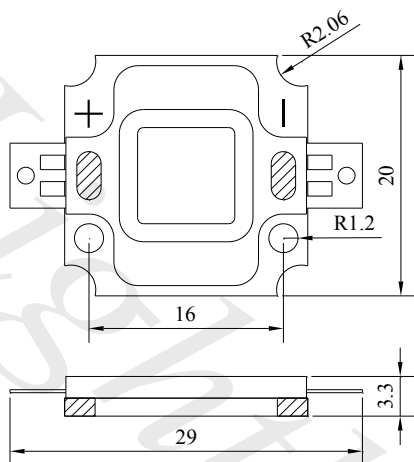


# SPECIFICATION FOR APPROVAL

## Package Dimensions

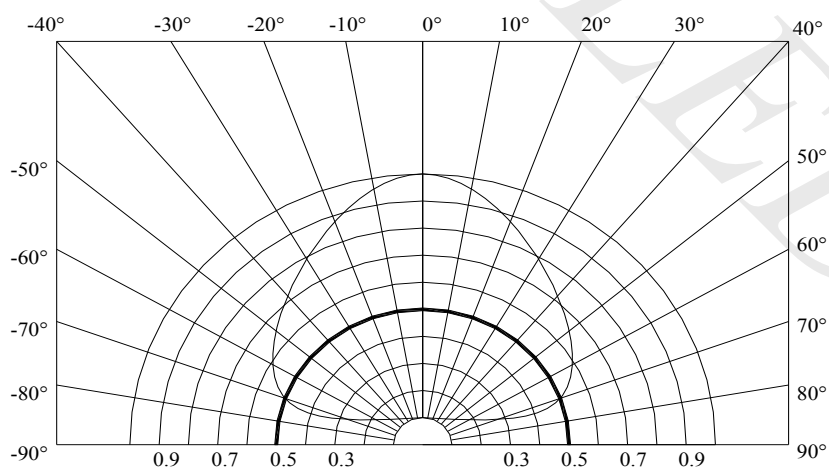
## Material's Picture



### 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  $1.0\text{mm}$  ( $0.04''$ ) max.
4. Lead spacing is measured where the leads emerge from the package.
5. Specifications are subject to change without notice.

## Spatial Distribution



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## SPECIFICATION FOR APPROVAL

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

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	$\Phi$	400	450	500	lm	IF =1050mA
Viewing Angle	$2\theta$ 1/2		140		deg	IF =1050mA
Domain Wavelength	Tc				K	IF =1050mA
Spectral Line Half-Width	$\Delta\lambda$	620	625	630	nm	IF =1050mA
Forward Voltage	VF	6.00	7.00	7.50	V	IF =1050mA
Reverse Current	IR			20	$\mu$ A	VR = 5V

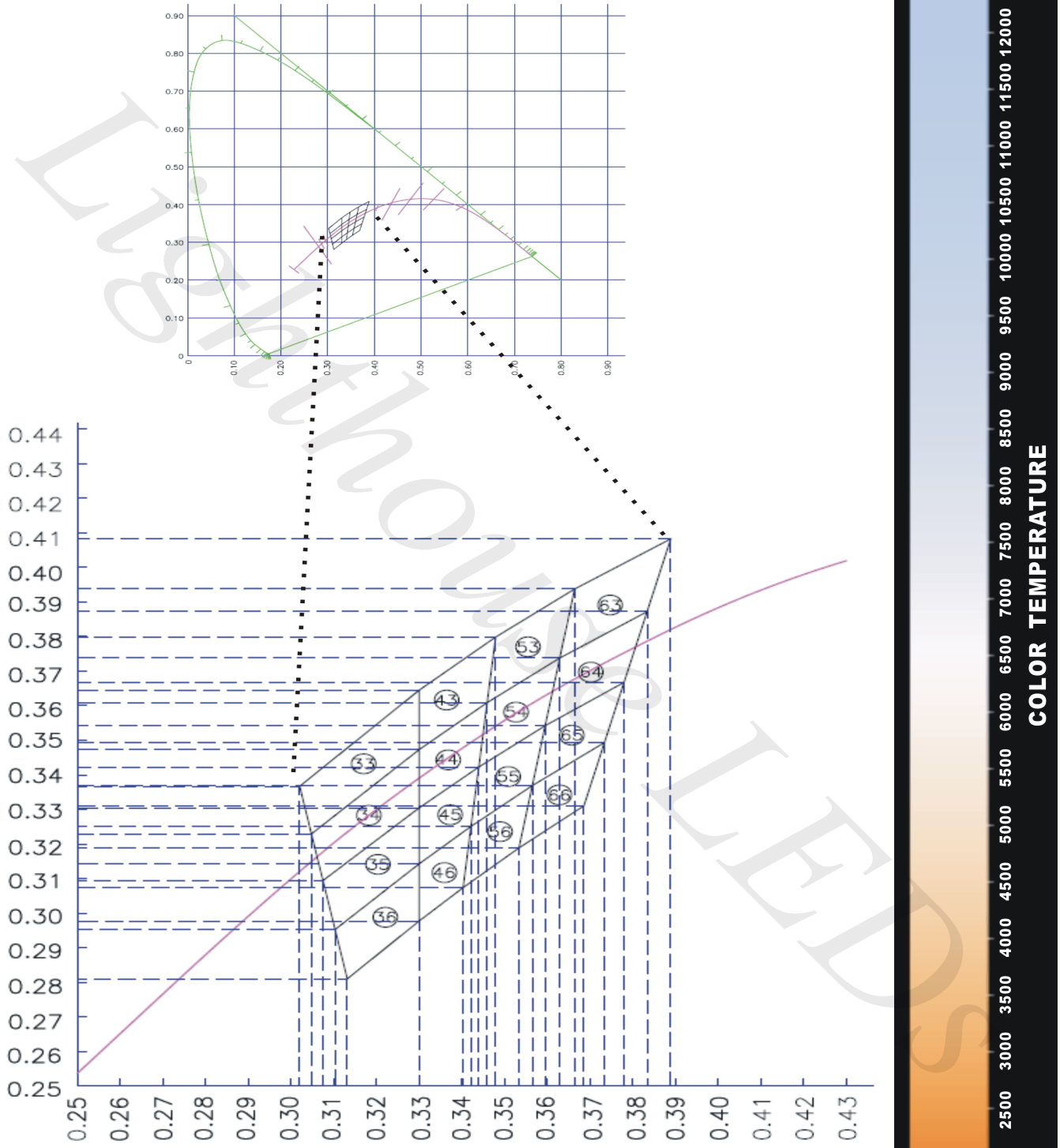
### Absolute Maximum Ratings at TA=25°C

Parameter	Maximum Rating
Power Dissipation	10W
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	1050mA
Continuous Forward Current	1500mA
Derating Linear From 30°C	0.8mA/°C
Reverse Voltage	5V
Operating Temperature Range	-20°C to + 60°C
Storage Temperature Range	-35°C to + 60°C
Lead Soldering Temperature [1.6mm(.063") From Body]	300°C for 5 Seconds

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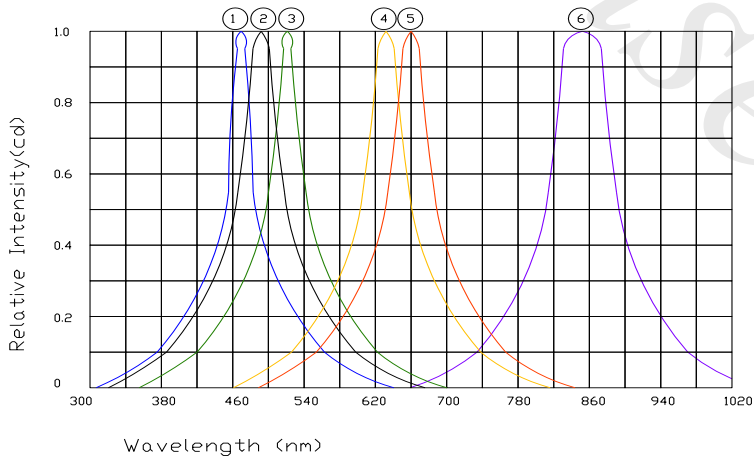
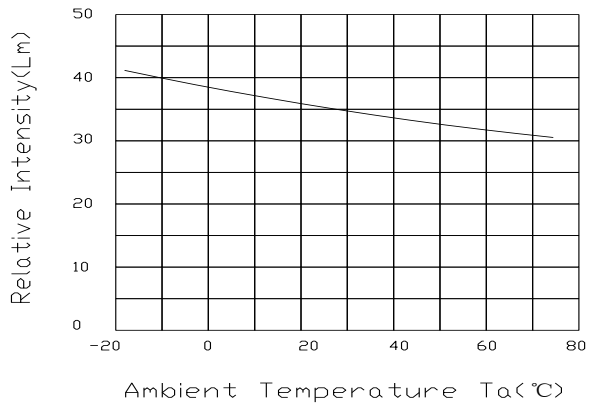
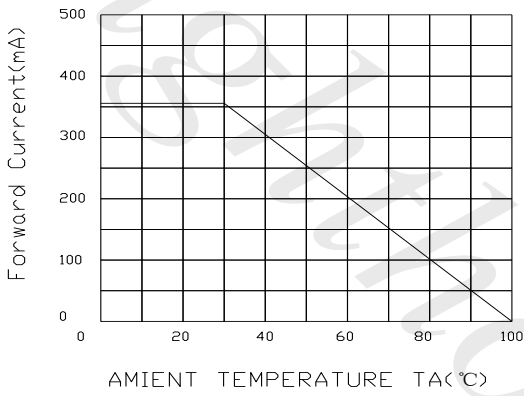
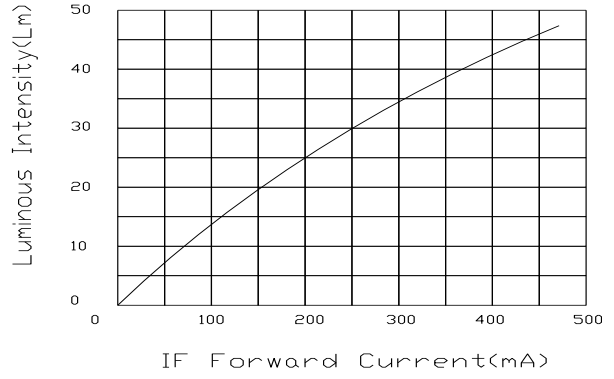
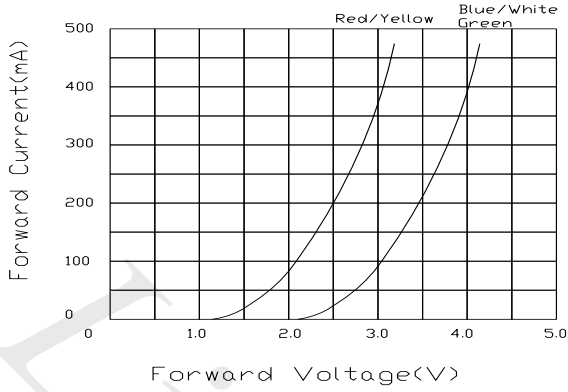
# SPECIFICATION FOR APPROVAL

## Chromaticity Coordinate Groups



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# 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)

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