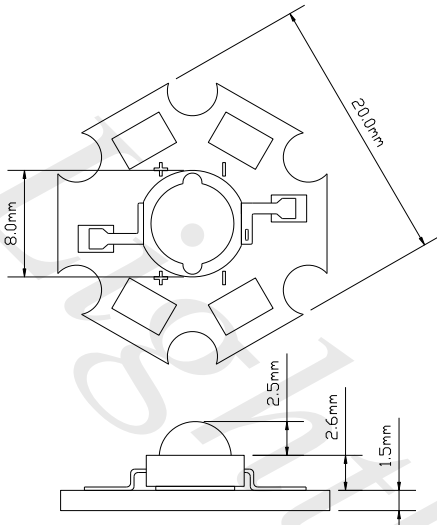


# SPECIFICATION FOR APPROVAL

## Package Dimensions

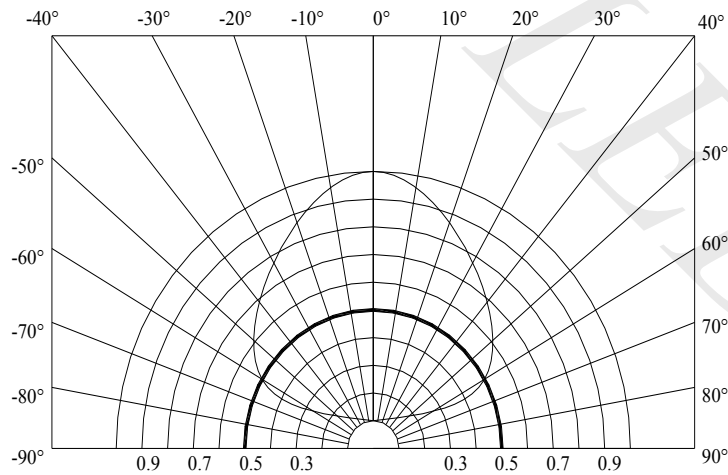
## Material's Picture



### 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



PART NUMBER	REV	PAGE	DATE
A-1PWBCD	R101	1/4	2011-05-23

# SPECIFICATION FOR APPROVAL

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

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	$\Phi$	20	25	30	lm	IF =350mA
Viewing Angle	$2\theta 1/2$		140		deg	IF =350mA
Domain Wavelength	Tc				K	IF =350mA
Spectral Line Half-Width	$\Delta \lambda$	460	462	465	nm	IF =350mA
Forward Voltage	VF	3.20	3.30	3.40	V	IF =350mA
Reverse Current	IR			20	$\mu$ A	VR = 5V

## Absolute Maximum Ratings at TA=25°C

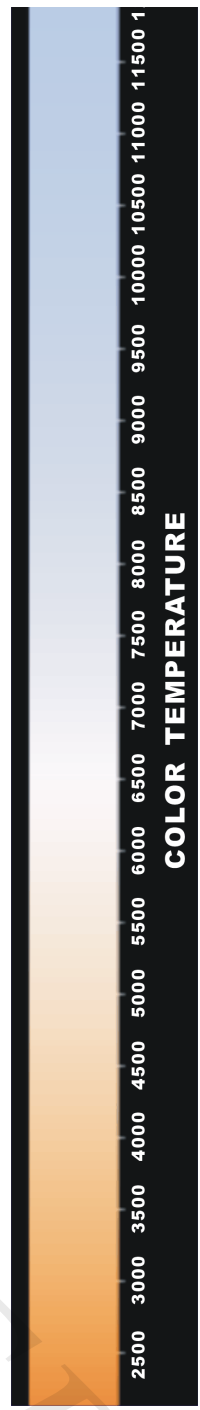
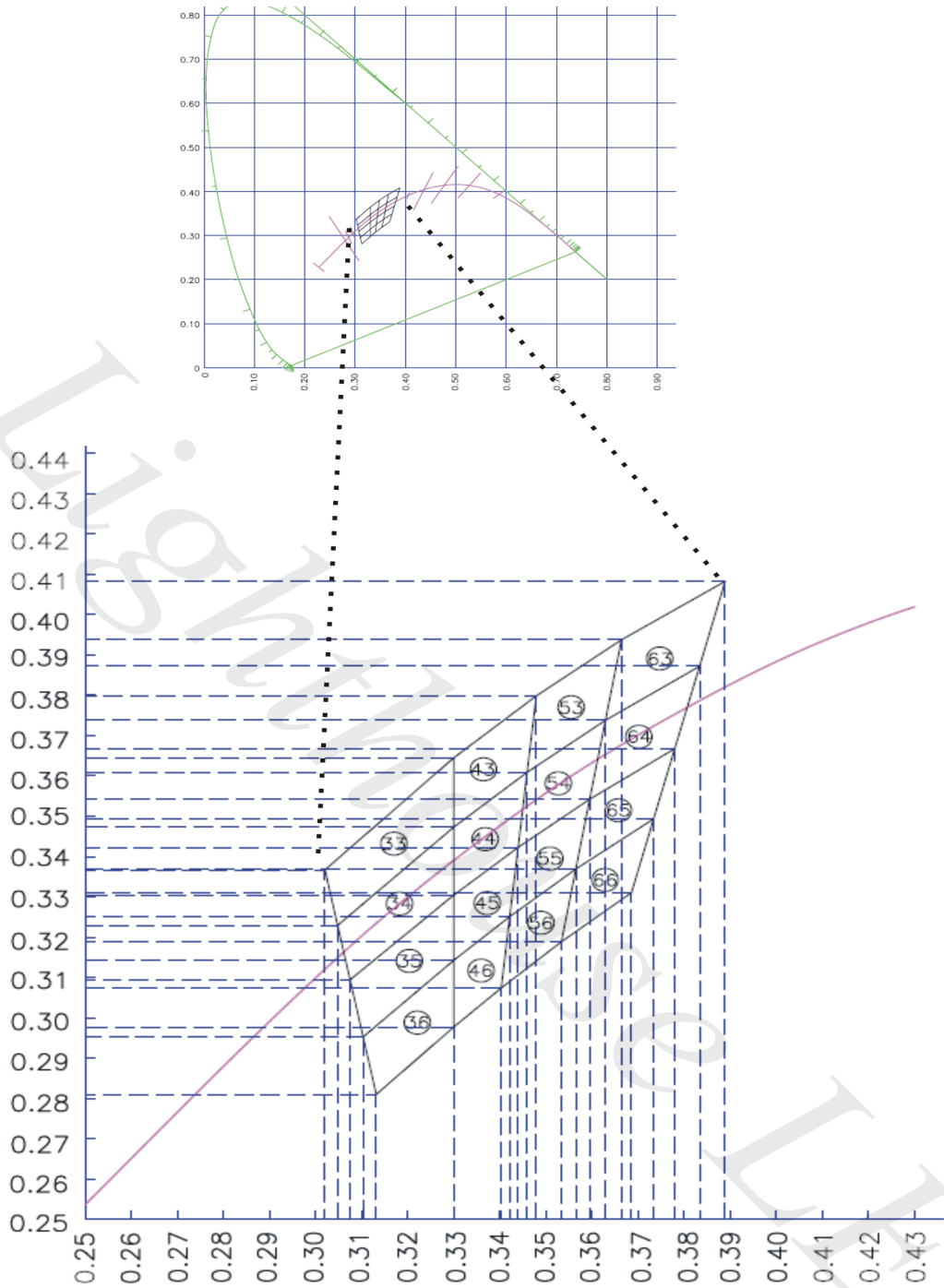
Parameter	Maximum Rating
Power Dissipation	1W
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	450mA
Continuous Forward Current	350mA
Derating Linear From 30°C	0.8mA/°C
Reverse Voltage	5V
Operating Temperature Range	-20°C to + 80°C
Storage Temperature Range	-30°C to + 100°C
Lead Soldering Temperature [1.6mm(.063") From Body]	260°C for 5 Seconds

PART NUMBER	REV	PAGE	DATE
A-1PWUBCD	R101	2/4	2011-05-23

## SPECIFICATION FOR APPROVAL

### Chromaticity Coordinate Groups

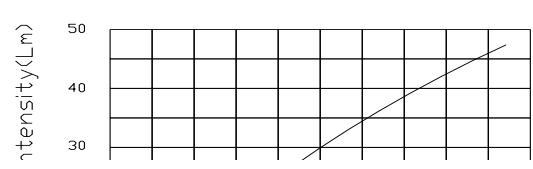
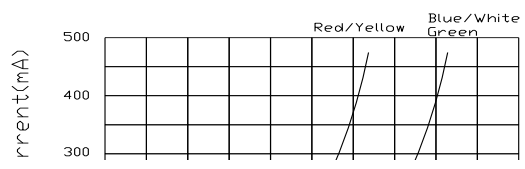


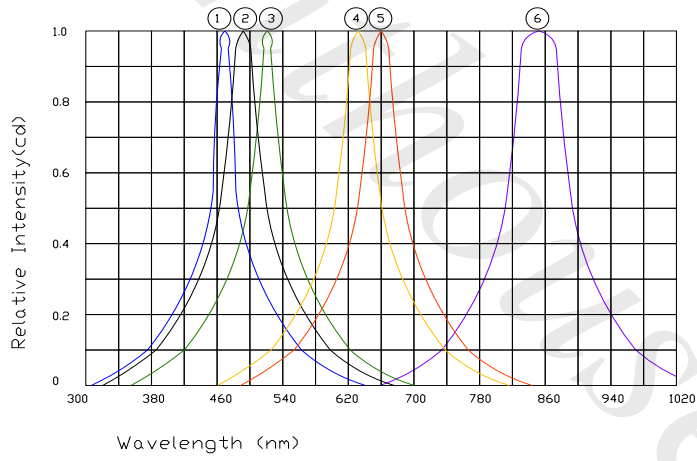
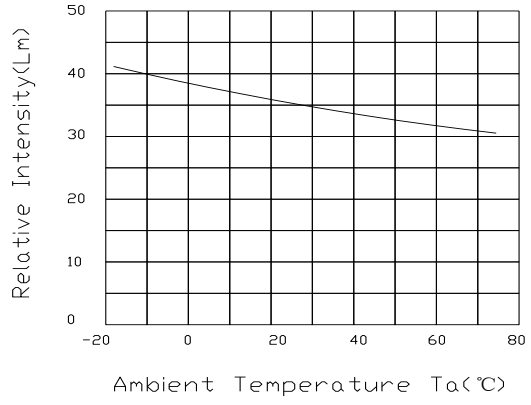
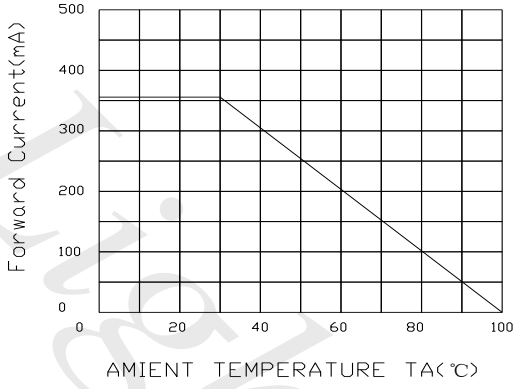
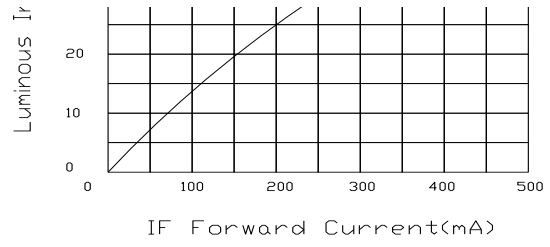
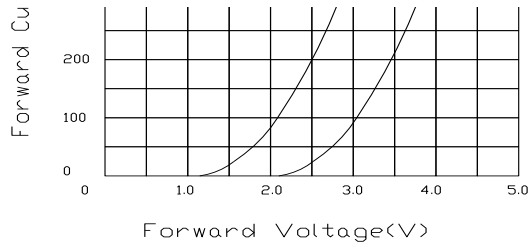


PART NUMBER	REV	PAGE	DATE
XH-PC2P34B2	R101	3/4	2011-05-23

**SPECIFICATION FOR APPROVAL**

**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)

PART NUMBER	REV	PAGE	DATE
A-1PWUBCD	R101	4/4	2011-05-23