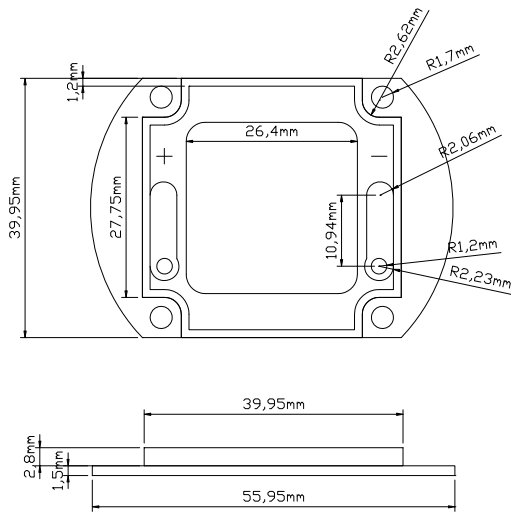


Package Dimensions



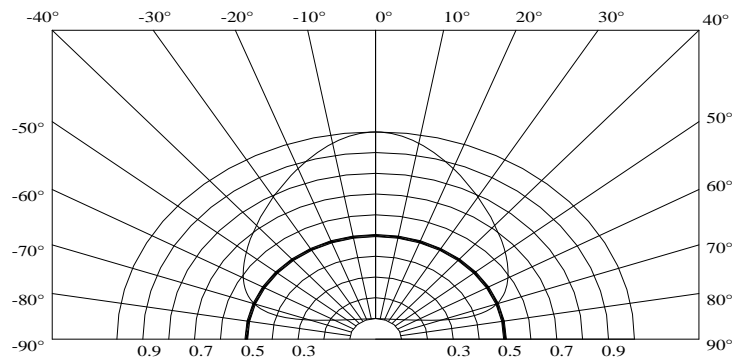
Material's Picture



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



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Electrical / Optical Characteristics at TA=25°C

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	Φ	8000	8500	9000	lm	IF =3000mA
Viewing Angle	$2\theta 1/2$		140		deg	IF =3000mA
Domain Wavelength	Tc	6000	6500	7000	K	IF =3000mA
Spectral Line Half-Width	$\Delta \lambda$				nm	IF =3000mA
Forward Voltage	VF	34,00	35,00	36,00	V	IF =3000mA
Reverse Current	IR			20	μA	VR = 5V

Absolute Maximum Ratings at TA=25°C

Parameter	Maximum Rating
Power Dissipation	100W
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	5000mA
Continuous Forward Current	3000mA
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

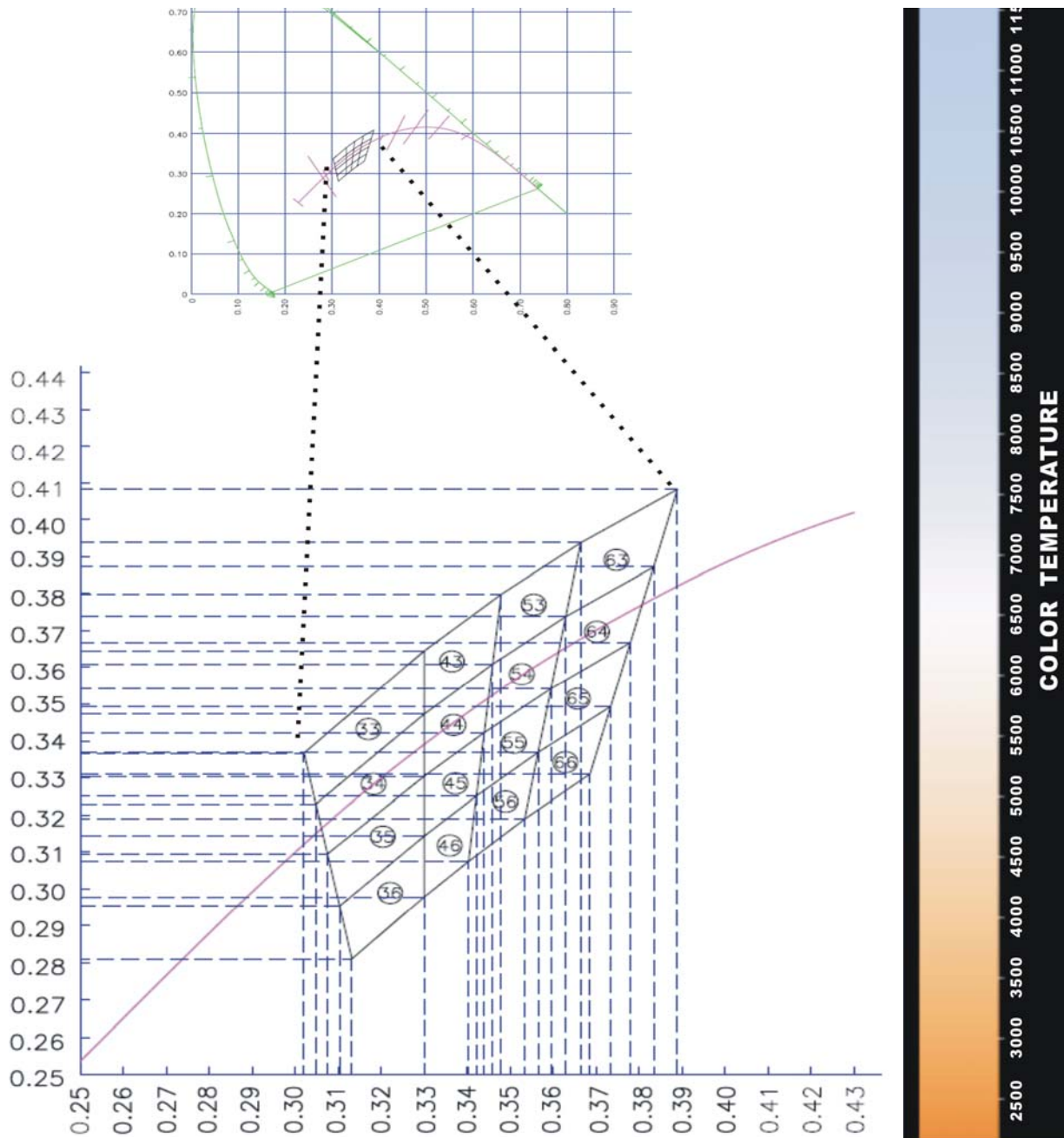
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WX-P100WW45100B1008000	R101	2/4	2009-11-27



SPECIFICATION FOR APPROVAL

Chromaticity Coordinate Groups



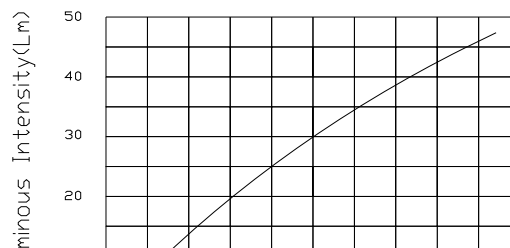
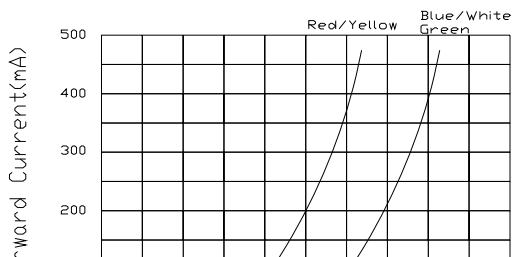


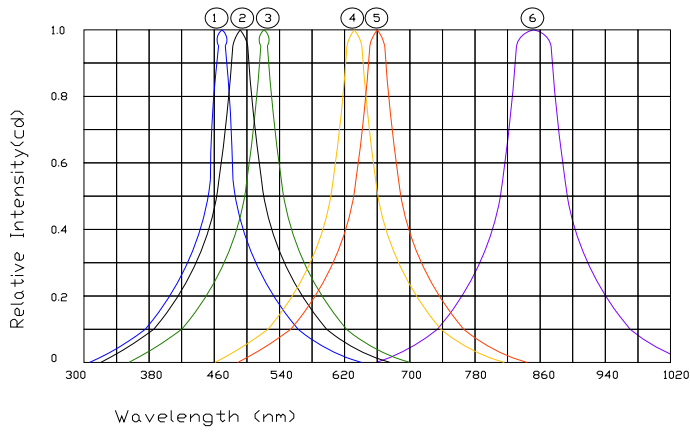
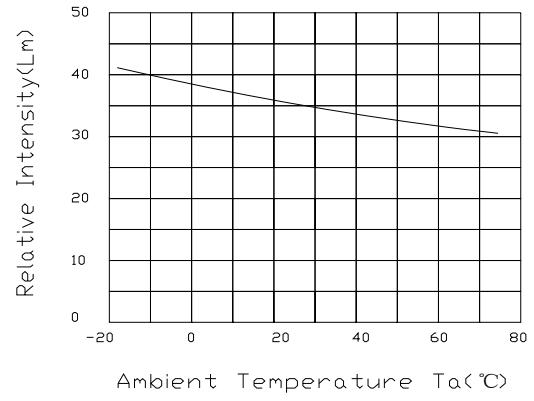
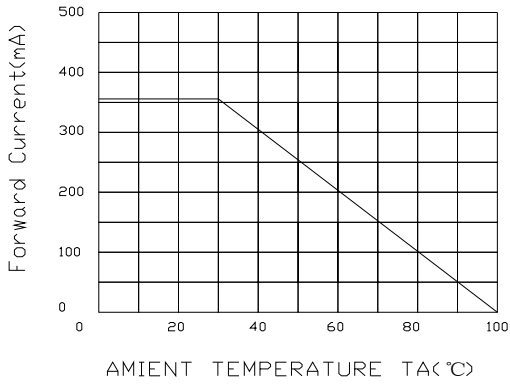
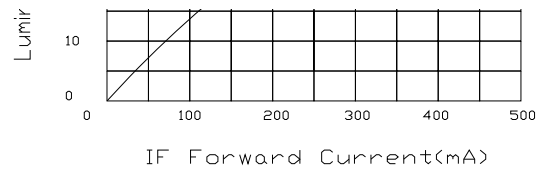
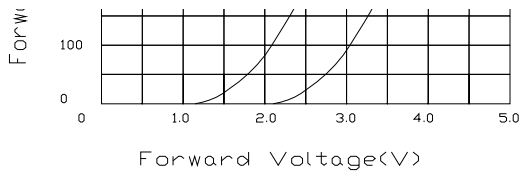
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SPECIFICATION FOR APPROVAL

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>

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