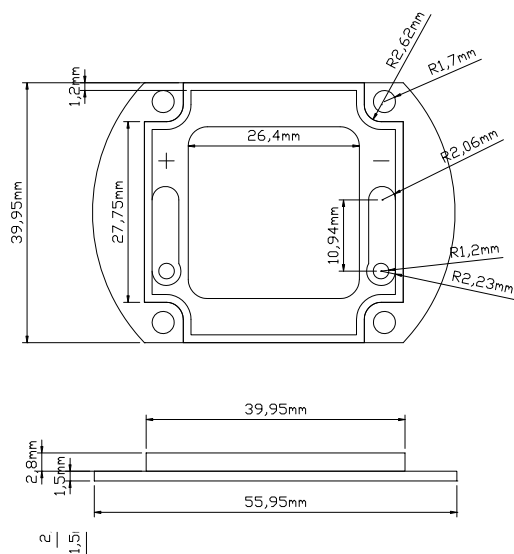


Package Dimensions



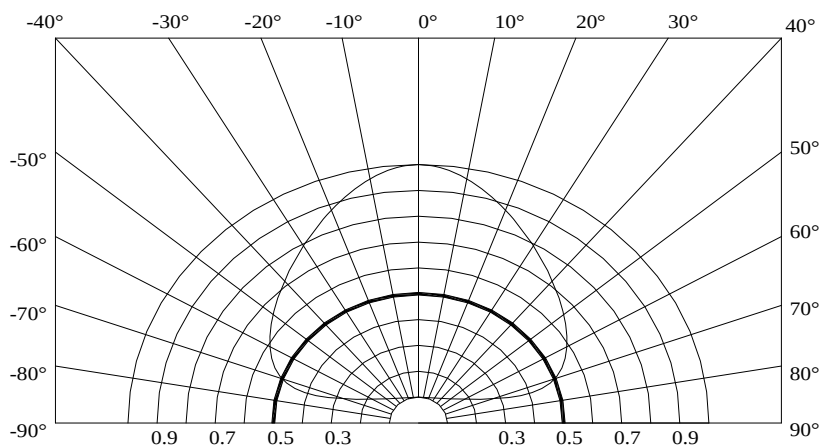
Material's Picture



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
WX-P100WW6550B604800	R101	1/4	2009-11-27

Electrical / Optical Characteristics at TA=25°C

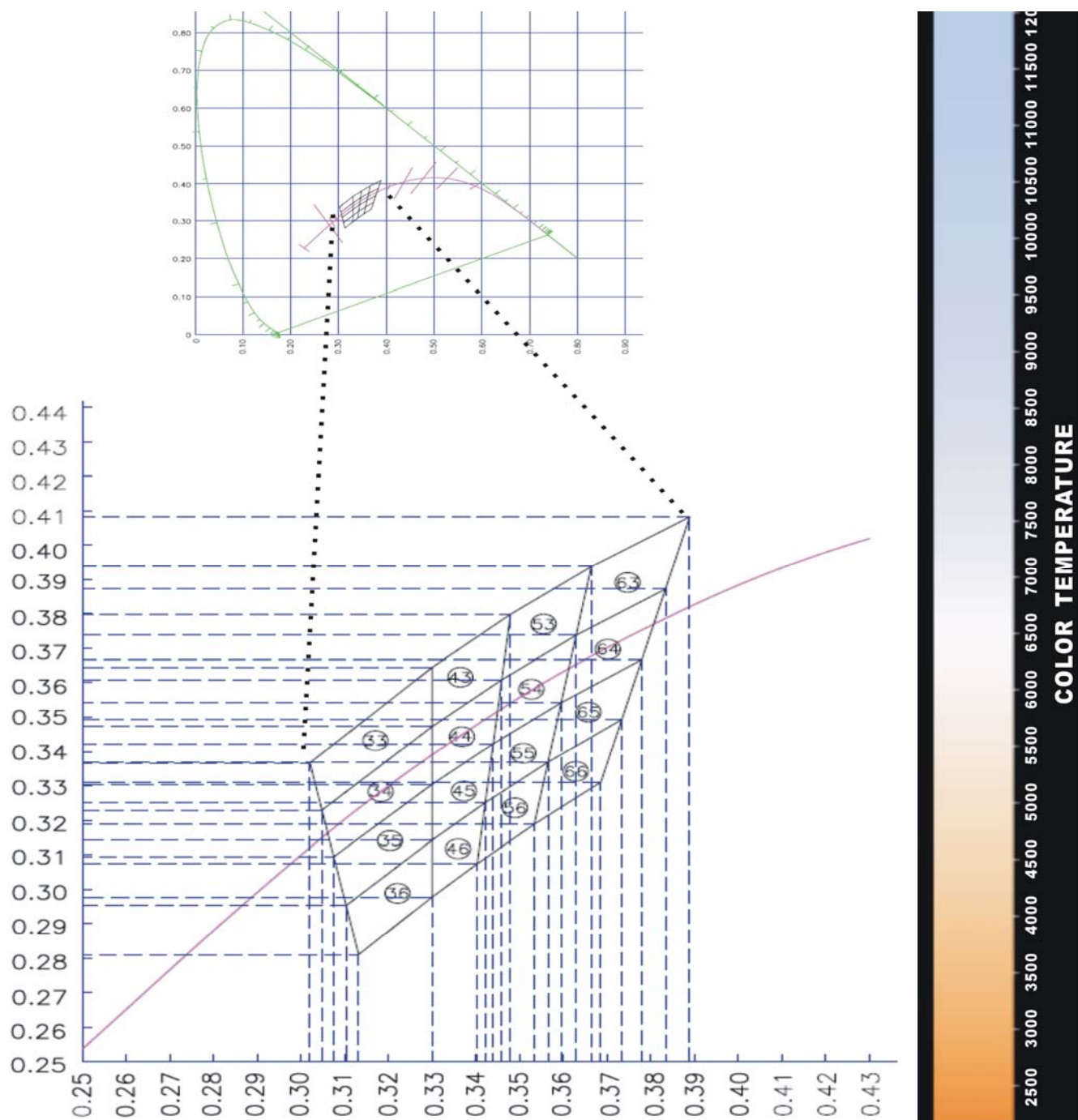
Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	Φ	4800	5200	5400	lm	IF =2100mA
Viewing Angle	2 θ 1/2		140		deg	IF =2100mA
Domain Wavelength	Tc	6000	6500	7000	K	IF =2100mA
Spectral Line Half-Width	$\Delta \lambda$				nm	IF =2100mA
Forward Voltage	VF	34,00	35,00	36,00	V	IF =2100mA
Reverse Current	IR			20	μ A	VR = 5V

Absolute Maximum Ratings at TA=25°C

Parameter	Maximum Rating
Power Dissipation	60W
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	3000mA
Continuous Forward Current	2100mA
Derating Linear From 30°C	0.8mA/°C
Reverse Voltage	5V
Operating Temperature Range	-35°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

PART NUMBER	REV	PAGE	DATE
WX-P100WW6550B604800	R101	2/4	2009-11-27

**SPECIFICATION FOR APPROVAL****Chromaticity Coordinate Groups**

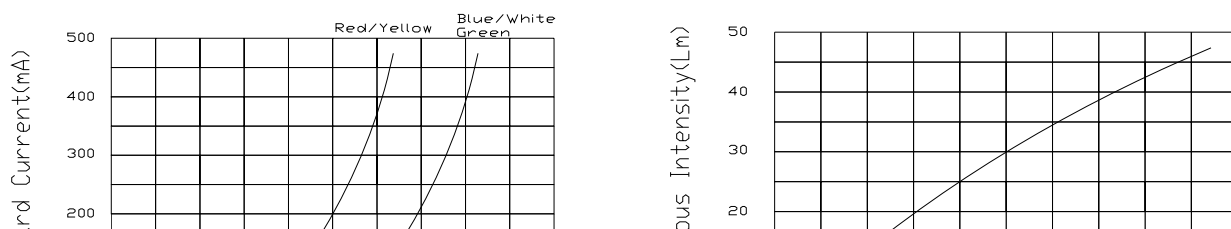


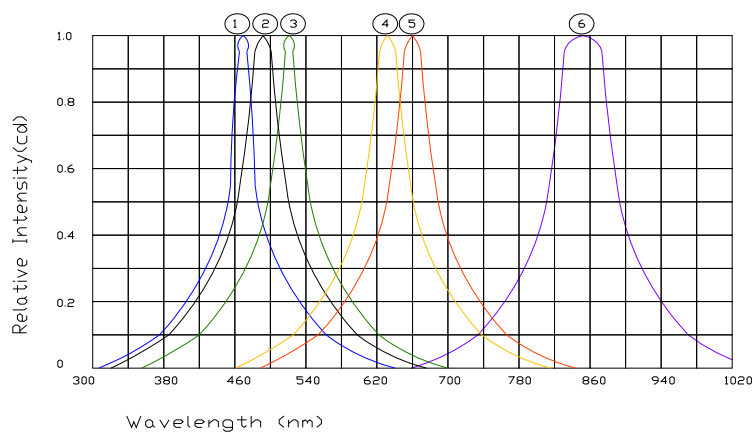
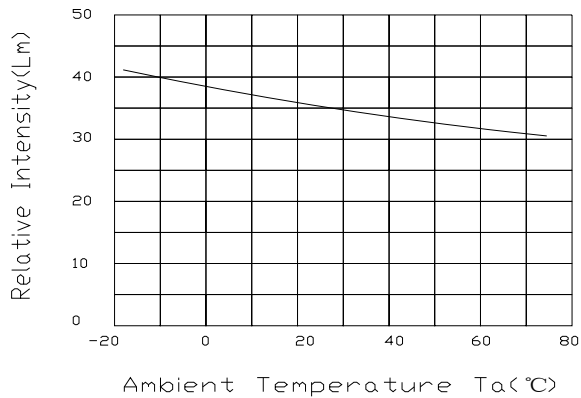
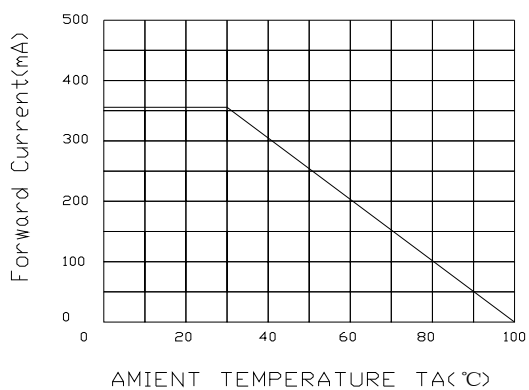
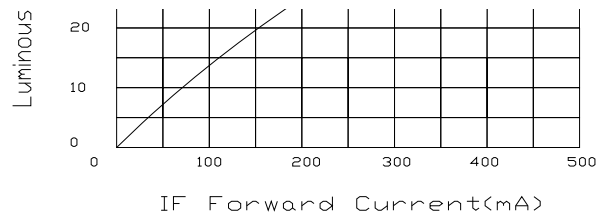
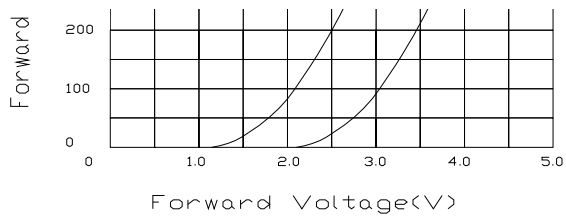
PART NUMBER	REV	PAGE	DATE
WX-P100WW6550B604800	R101	3/4	2009-11-27



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
WX-P100WW6550B604800	R101	4/4	2009-11-27