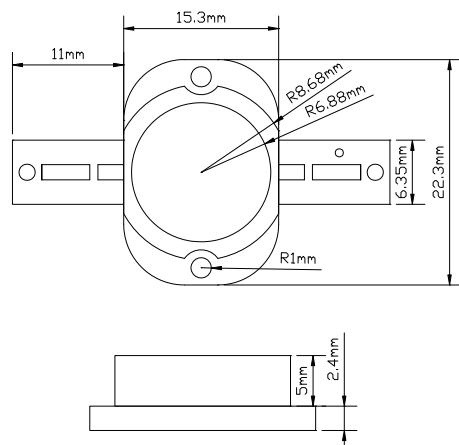


Package Dimensions



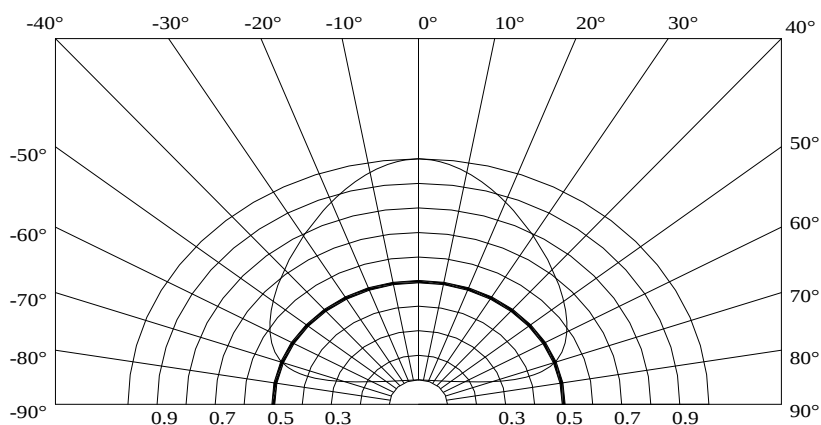
Material's Picture



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

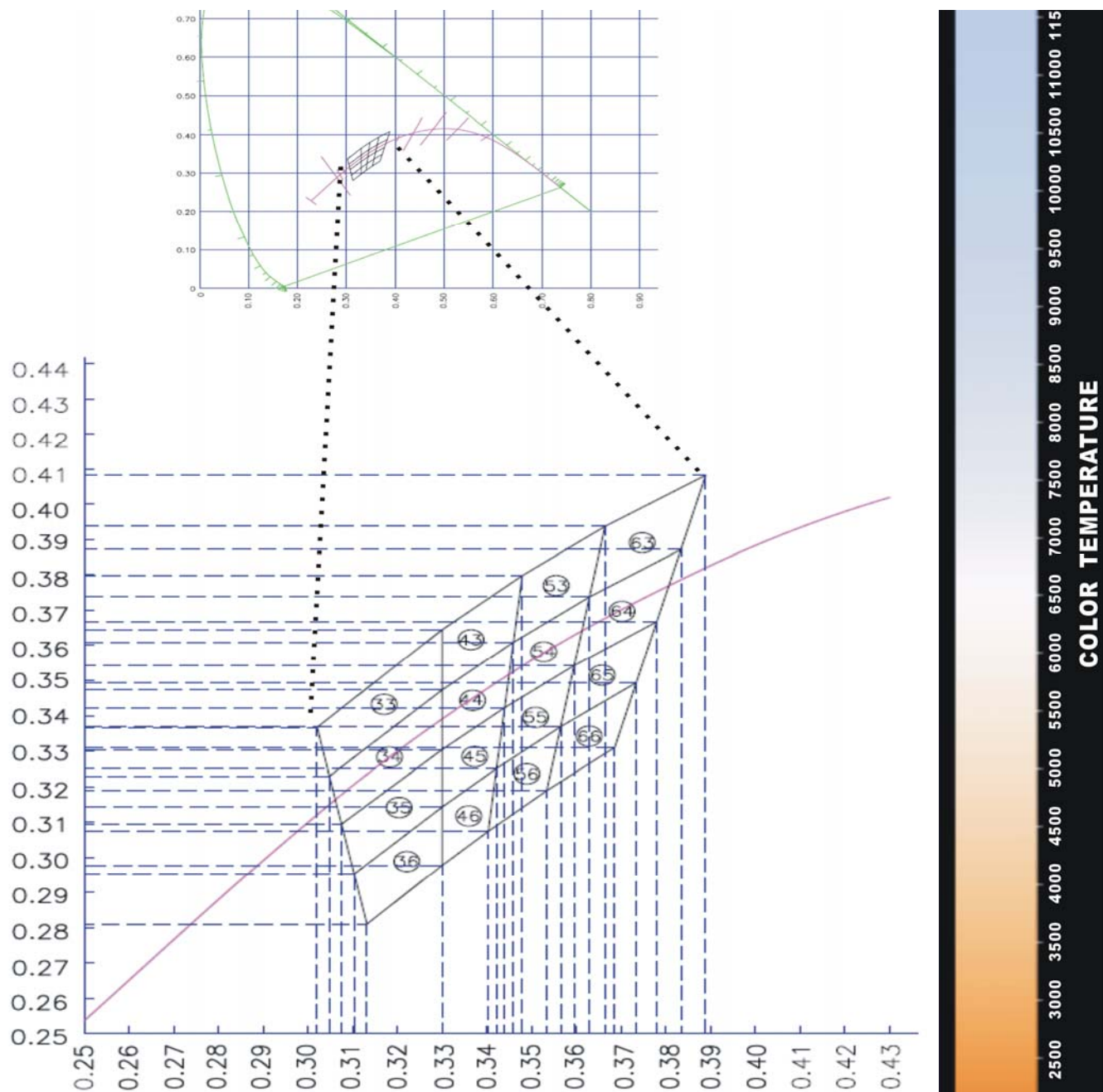
Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	Φ	1600	1700	1800	lm	IF =1200mA
Viewing Angle	2 θ 1/2		140		deg	IF =1200mA
Domain Wavelength	Tc	6000	6500	7000	K	IF =1200mA
Spectral Line Half-Width	$\Delta \lambda$				nm	IF =1200mA
Forward Voltage	VF	16,00	17,00	18,00	V	IF =1200mA
Reverse Current	IR			20	μ A	IF =1200mA

Absolute Maximum Ratings at TA=25°C

Parameter	Maximum Rating
Power Dissipation	20W
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	1400mA
Continuous Forward Current	1200mA
Derating Linear From 30°C	0.8mA/°C
Reverse Voltage	5V
Operating Temperature Range	-20°C to + 60°C
Storage Temperature Range	-30°C to + 60°C
Lead Soldering Temperature [1.6mm(.063") From Body]	260°C for 5 Seconds

PART NUMBER	REV	PAGE	DATE
WX-P20WW659B10800	R101	2/4	2009-08-28

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

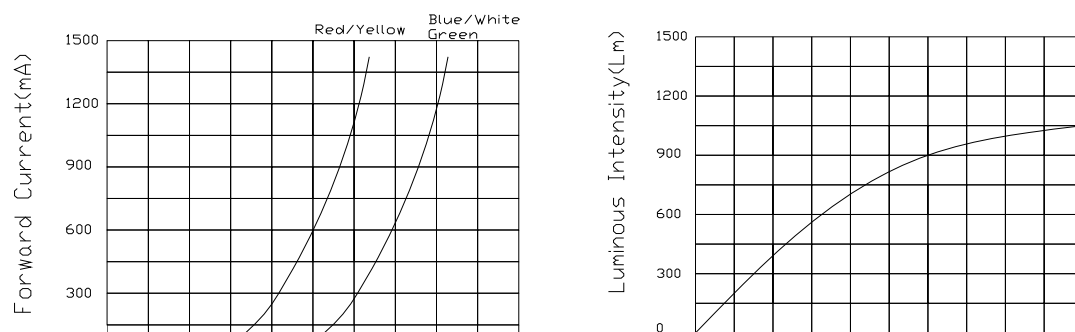


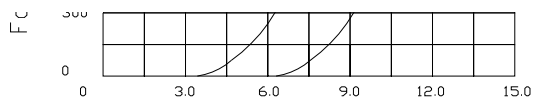
PART NUMBER	REV	PAGE	DATE
WX-P20WW659B10800	R101	3/4	2009-08-28



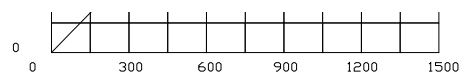
SPECIFICATION FOR APPROVAL

HIGH POWER LED Typical Electro-Optical Characteristics Curves

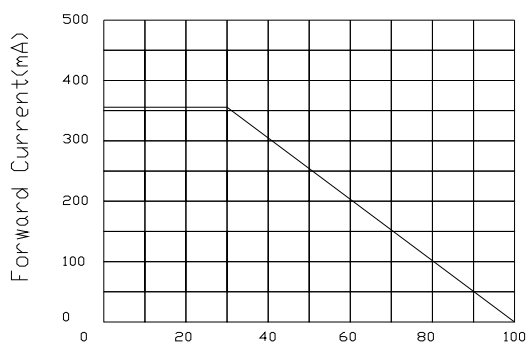




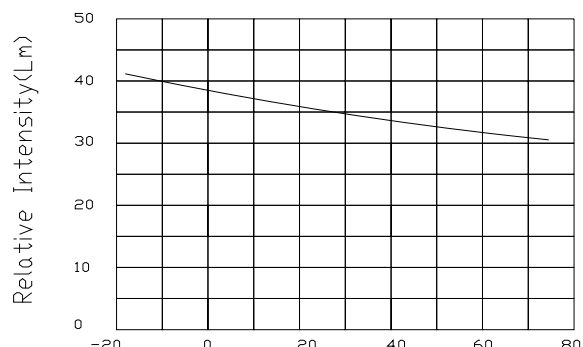
Forward Voltage(V)



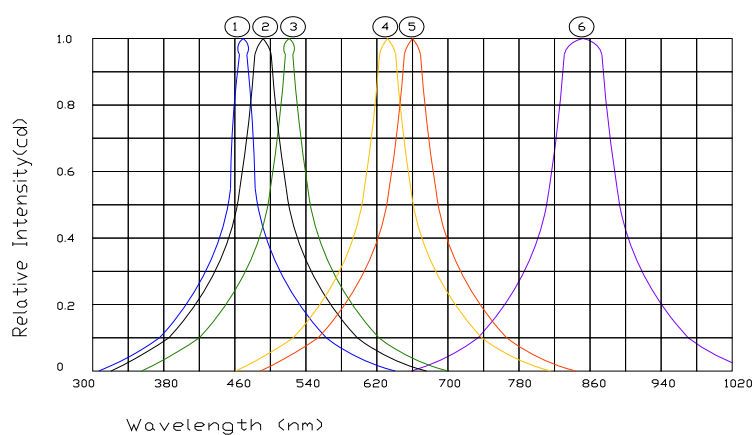
IF Forward Current(mA)



AMIENT TEMPERATURE TA(°C)



Ambient Temperature Ta(°C)



- 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-P20WW659B10800	R101	4/4	2009-08-28