

**Inolux 5mm Oval Lamp  
HTOV511040XX Series**

Official Product	HTOV511040XX Series	Customer Part No.		Data Sheet No.
	*****	*****		HTOV511040XX Series
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1. Life support devices or systems are devices or systems which, (a) are intended for surgical implant into the body, or (b) support or sustain life, and (c) whose failure to perform when properly used in accordance with instructions for use provided in the labeling, can be reasonably expected to result in a significant injury of the user.
2. A critical component in any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.

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**Orderable Information**

**H T O V 5 1 1 0 4 0 X X - Y Y Y Y**

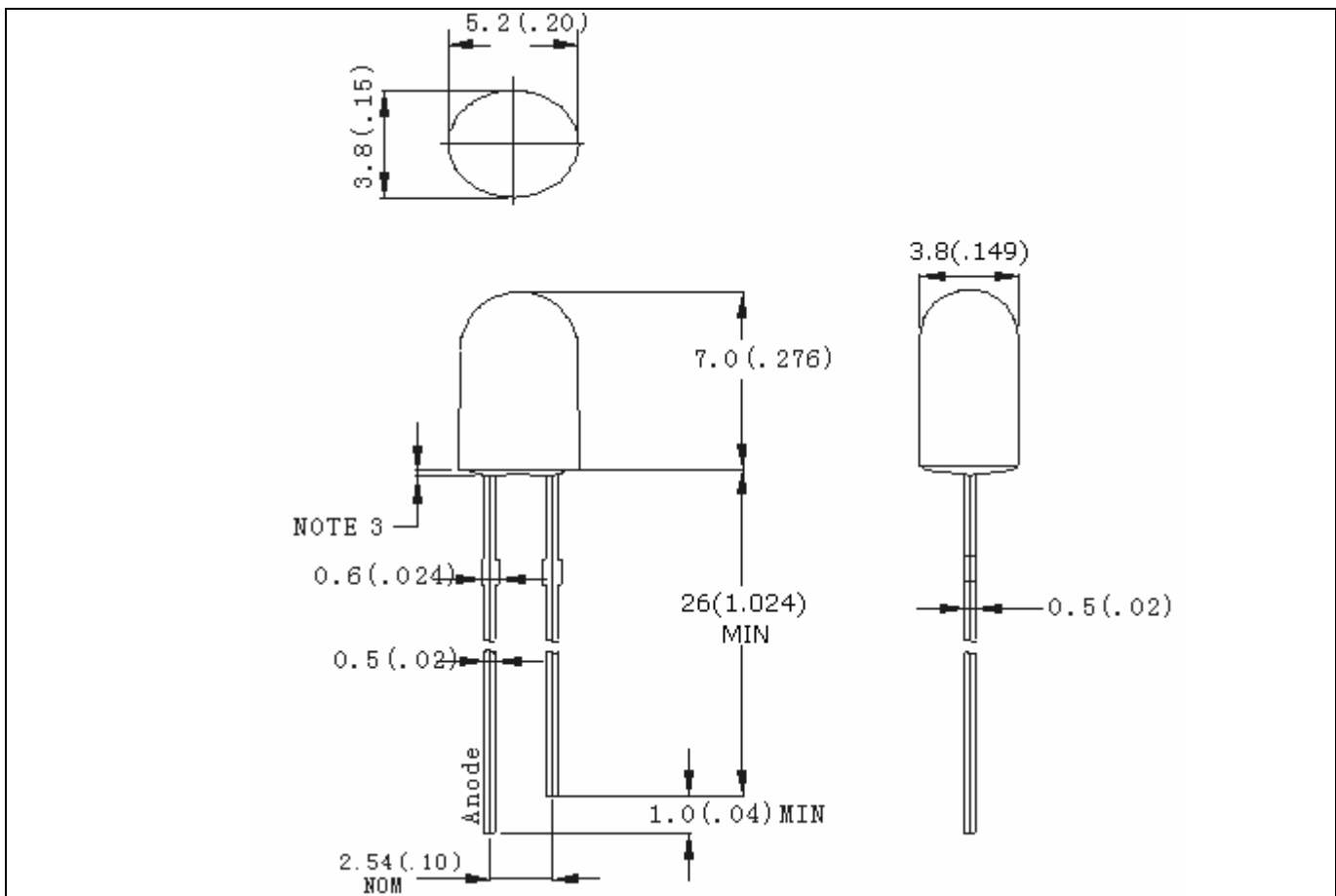


Series Name	Lamp Type	Viewing Angle	Color Code	Customer Code
HTOV= Inolux Oval Lamp	5= 5mm	11040= 110°/40°	UR = 624nm AllnGaP Red UTG = 525nm InGaN True Green UY = 590nm AllnGaP Yellow UB = 470nm InGaN Blue	YYYY = Customer code

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**Features:**

- Stable Color
- Popular 5mm 110/40 Oval Lamp
- Color Diffused Lens
- InGaN and AlInGaP technology
- Solid state reliability
- Special packaging available upon request



-All Dimensions are in millimeters

-Tolerance = +/- 0.25mm

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### Absolute Maximum Ratings at Ta=25C

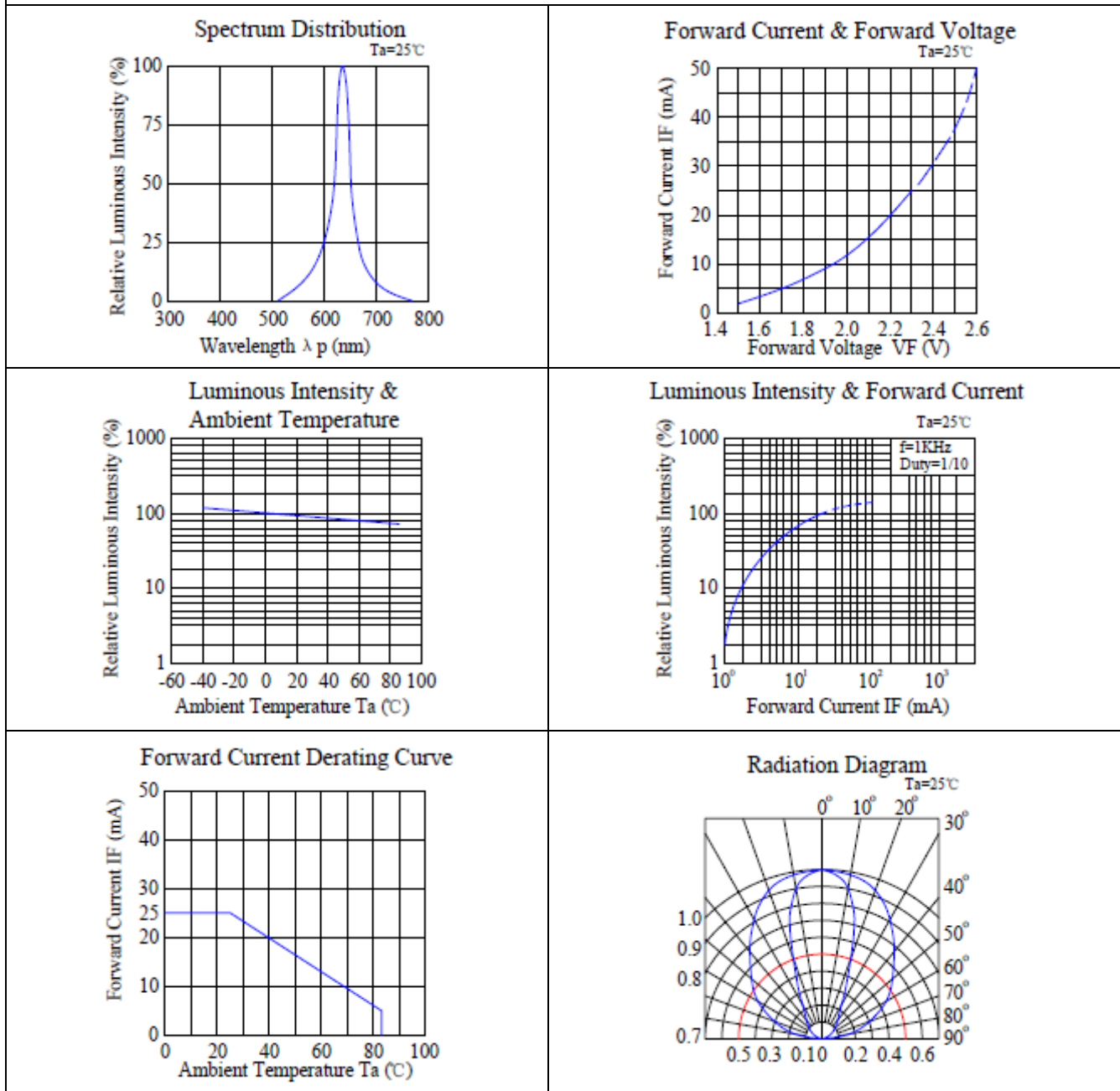
Parameter	Symbol	AllInGaP Material	InGaN Material	Unit
Power Dissipation	P <sub>d</sub>	62	100	mW
Reverse Voltage	V <sub>r</sub>	5	5	V
Forward Current	I <sub>F</sub>	25	25	mA
Reverse Current	I <sub>r</sub>	10	10	μA
Peak Current ( 1/10 Duty Cycle, 0.1ms pulse width )	I <sub>F</sub> (Peak)	100	100	mA
Operating Temperature Range	T <sub>opr</sub>	-40 to +85		° C
Storage Temperature Range	T <sub>stg</sub>	-40 to +100		° C
Lead Soldering Temp	T <sub>sol</sub>	260		° C

### Electrical and Optical Characteristic ( @ 25 degree C )

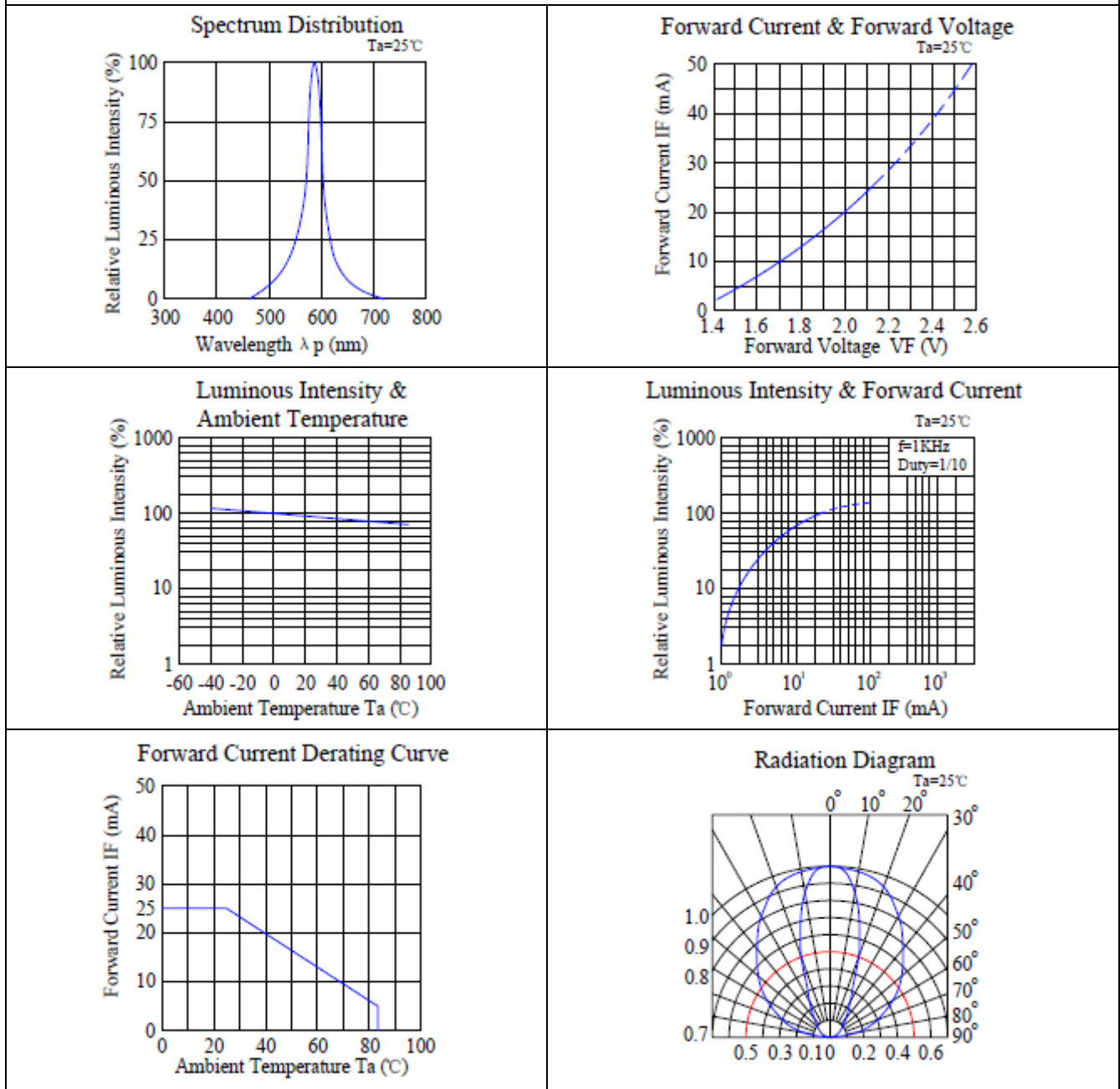
Parameter	UR	UTG	UY	UB	Test Condition
Luminous Intensity:					
Min (mcd)	620	890	620	300	If=20mA
Typ (mcd)	700	1800	850	520	If=20mA
Forward voltage (V <sub>f</sub> )					
Typ	2.2	3.2	2.2	3.2	If=20mA
Max	2.6	4.0	2.6	4.0	If=20mA
Dominant Wavelength (nm)	624	525	590	468	If=20mA
Viewing angle	110/40	110/40	110/40	110/40	If=20mA

- Brightness tolerance = +/- 10%

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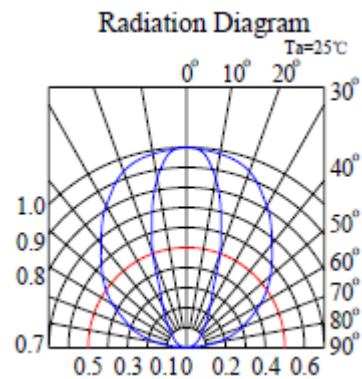
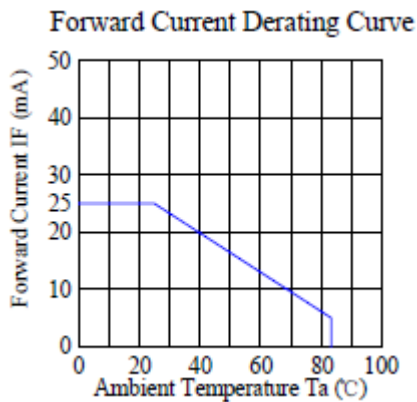
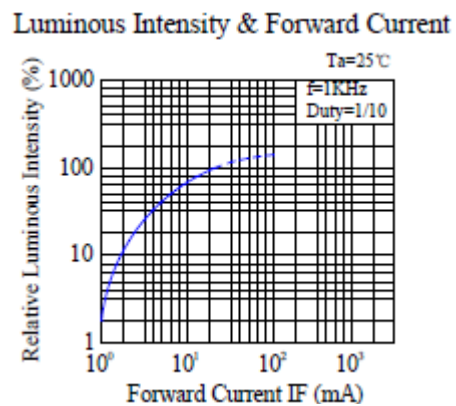
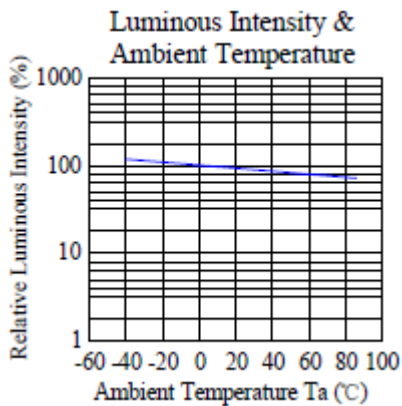
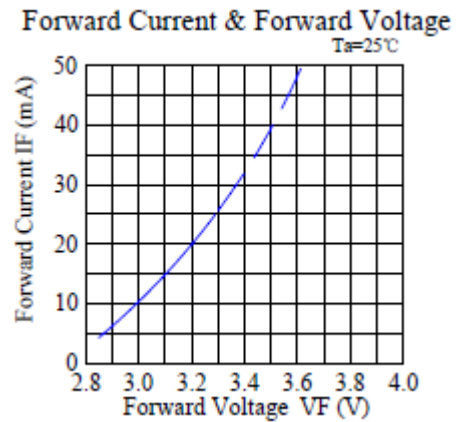
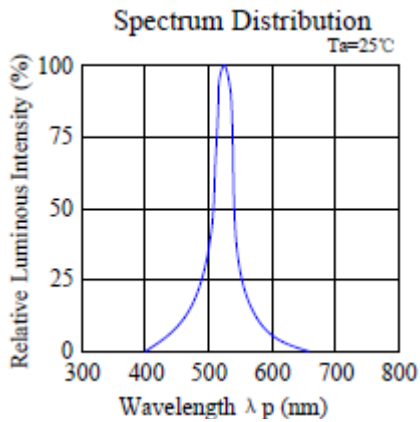
**Characteristic Curves for Red (R)**


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**Characteristic Curves for Yellow (Y)**


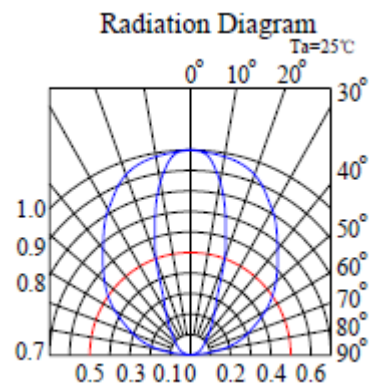
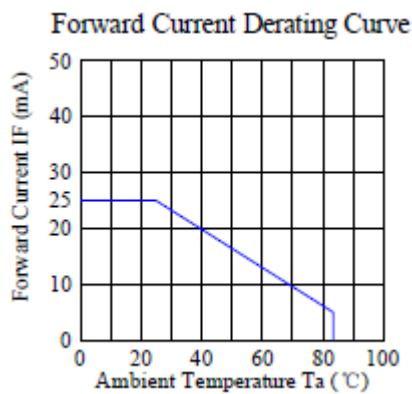
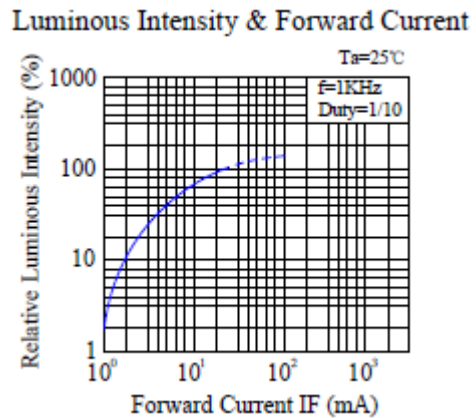
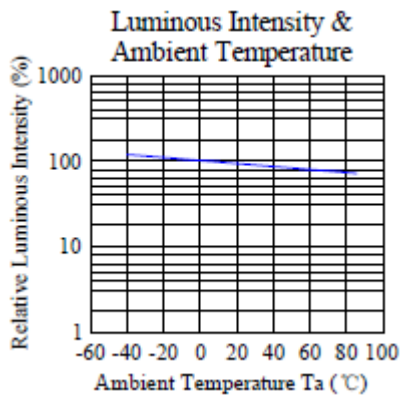
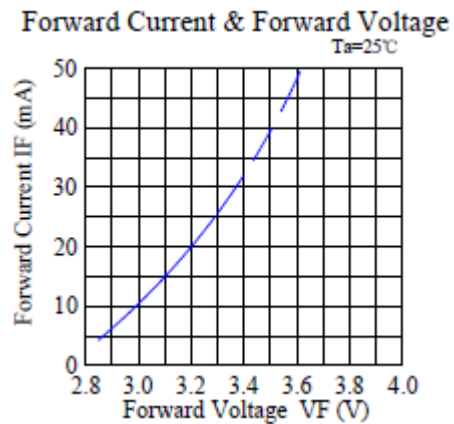
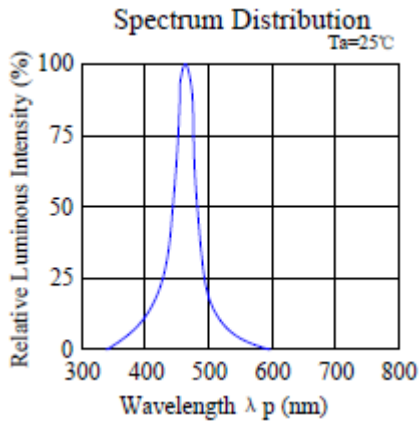
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**Characteristic Curves for Green (TG)**


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**Characteristic Curves for Blue (B)**


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**Revision History**

Changes since last revision	Page	Version No.	Revision Date
Initial release for 5mm Oval Lamp		1.0	06-27-2013

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