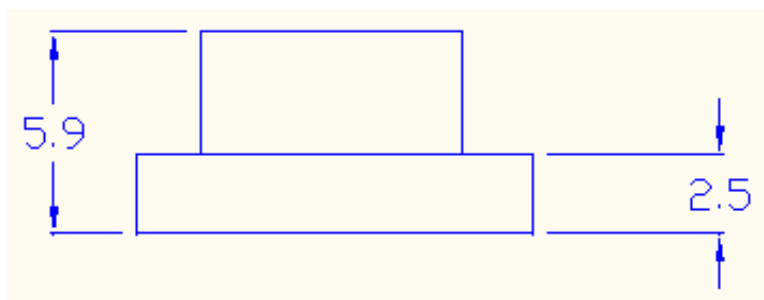
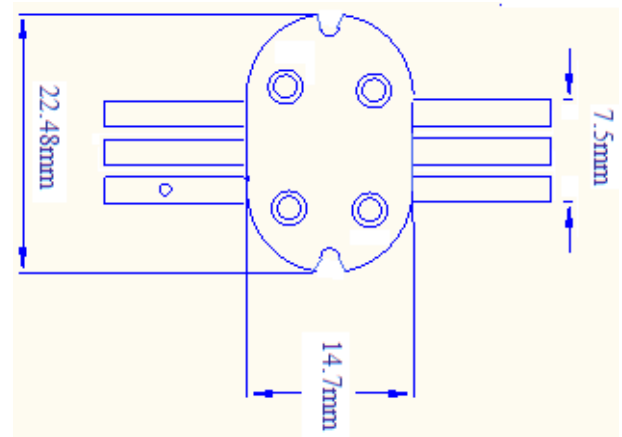
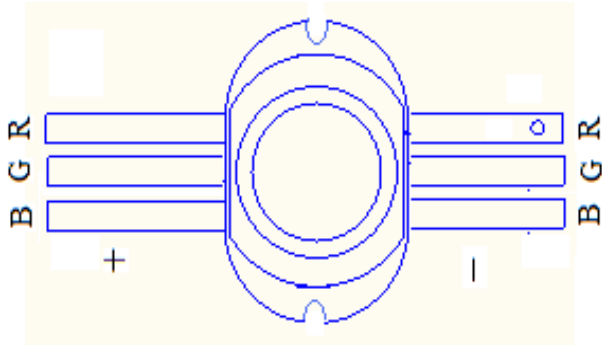


Mechanical Dimensions



NOTE:

1. All dimensions are in millimeters.
2. All dimensions without tolerances are for reference only.

3. Material as follows:

Package: Heat-Resistant Polymer

Electrodes: Cu Plating Copper Alloy

Absolute Maximum Ratings at Ta=25°C

Item	Symbol	Absolute Maximum Rating	Unit
DC Forward Current	I_F	350	mA
Peak Forward Current	I_F	500	mA
Reverse Voltage	V_R	5	V
Power Dissipation	P_D	10	w
Electrostatic discharge	ESD	±4500	V
Operation Temperature	Topr	-40~+80	°C
Storage Temperature	Tstg	-40~+100	°C
LeadSoldering Temperature	Tsol	Max.260°C for 6 seconds Max.	

Notes:* IFP Conditions: pulse Width≤10msec.

* All high power emitter LED products mounted on aluminum metal-core printed circuit board, can be lighted directly, but we do not recommend lighting the high power products for more than 5 seconds without a appropriate heat dissipation equipment.

Electrical Optical Characteristics at Ta=25°C

Parameter	Color	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Forward Voltage	R	V_F	7.0	---	8.0	v	$I_F=350mA$
	B		10	---	12		
	G		10	---	12		
Reverse Current	R,B,G	I_R	---	---	50	uA	$V_R=5v$
50% Power Angle	R,B,G	$2\theta_{1/2}$	---	160	---	deg	$I_F=350mA$
Luminous Intensity	R	ϕ_v	110	---	120	lm	$I_F=350mA$
	B		45	---	60		
	G		180	---	200		
Chromaticity	R	λ_d	620	---	630	nm	$I_F=350mA$
	B		460	---	470		
	G		520	---	530		

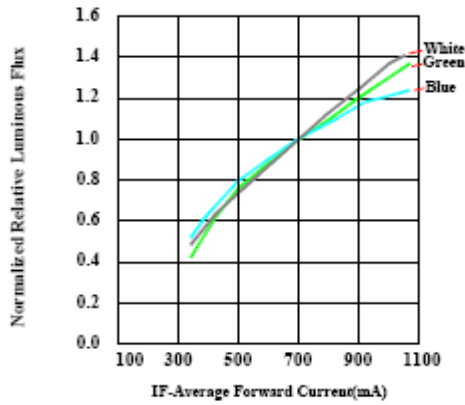
Notes: 1.Tolerance of measurement of forward voltage±0.1V. 2.Tolerance of measurement of peak

Wavelength±2.0nm.

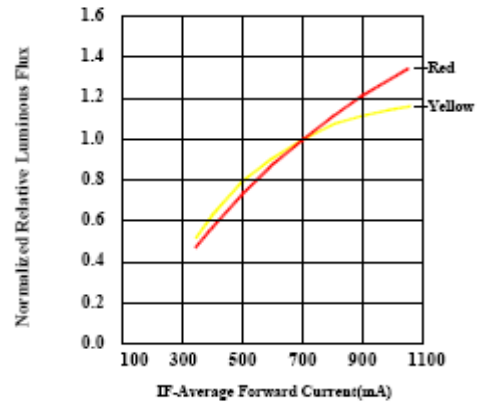
3.Tolerance of measurement of luminous intensity±15%.

■ Typical Electrical/ Optical Characteristics Curves
($T_a=25^{\circ}\text{C}$ Unless Otherwise Noted) :

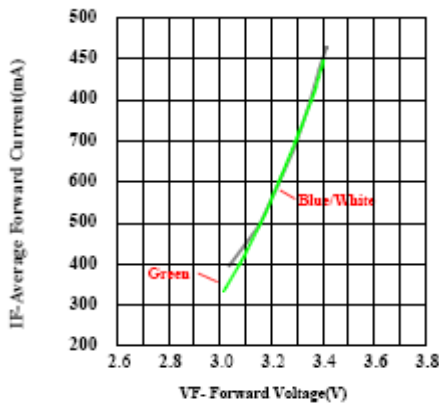
Forward Current Characteristics



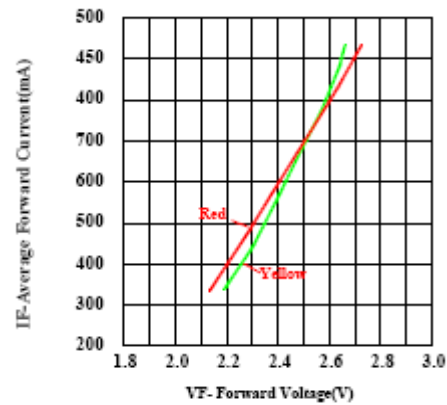
Relative Luminous Flux vs. Forward Current for White/Green/Blue



Relative Luminous Flux vs. Forward Current for Red/Yellow

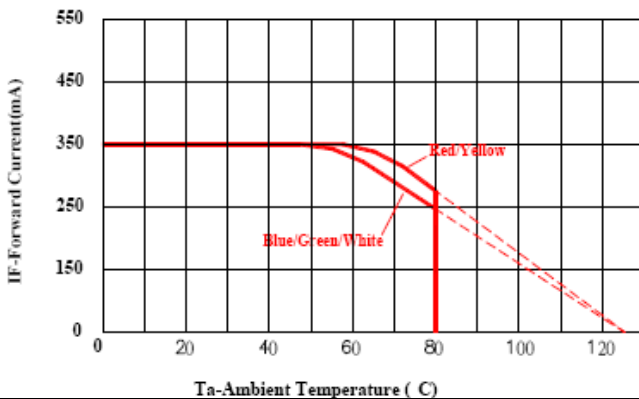


Forward Current vs. Forward Voltage for White/Green/Blue



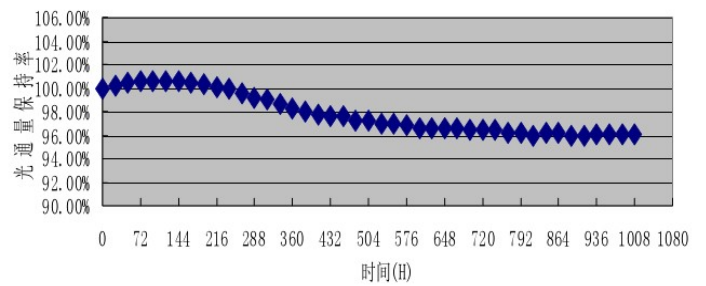
Forward Current vs. Forward Voltage for Red/Yellow

Current Derating Curves

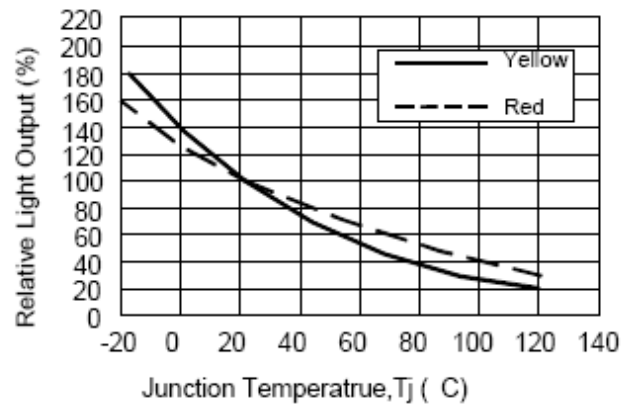
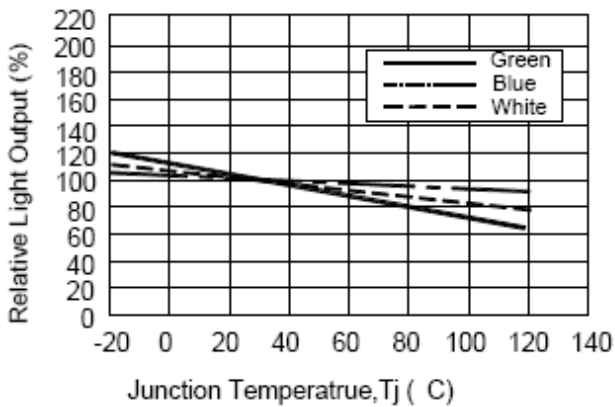


Ta-Ambient Temperature (C)

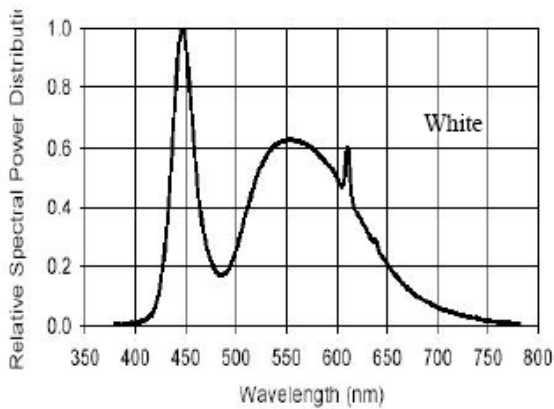
光通量保持率曲线图



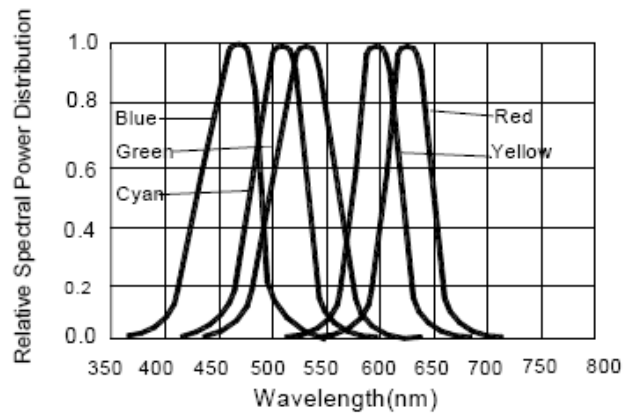
Light Output Characteristics



Wavelength Characteristics

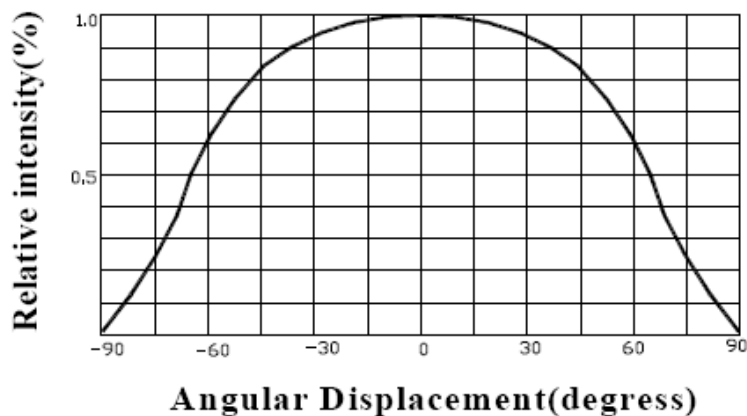


Relative Intensity vs Wavelength (nm)



Relative Intensity vs. Wavelength(nm)

Typical Representative Spatial Radiation Pattern of single LED



Angular Displacement(degrees)

Features

Passed CE and ROHS

Conforming to International Standard

Absolutely safety and stable Energy Saving Low Voltage High Brightness



NOTE

- * **Keep away form direct sunshine and high temperature**
 - * **If any doubt consult a competent electrician.**
 - * **Please read the specification first to make sure the using condition is fit.**
 - * **We will meet our customer's specific requirement with our satisfied products.**
 - * **The more details,Please visit our web site.**
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