TX-BRWG2A120-101E

PRODUCT SPECIFICATION

Approved by: Checked by: Prepared by:

Features:

Excellent Transiting Heat from LED Chip Operating under 500mA

High Luminous Output

No UV

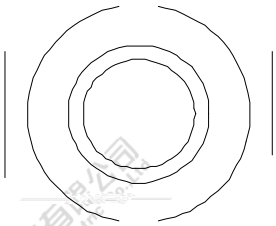
Typical purpose:

Portable Flashlight

Garden lighting

General Lighting

Package Dimensions:



Notes:

1.All dimensions are in millimeters (inches).

2. Tolerance

Characteristics at If=500mA ,Vr=5V (Ta=25°C)

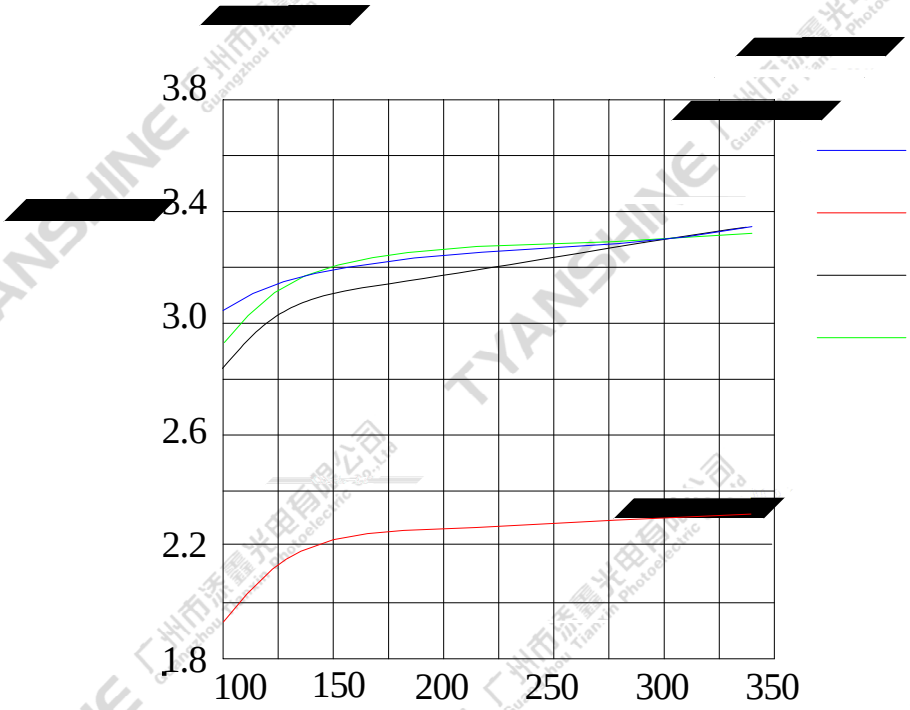
Parameter	Symbol	Emitting Color	Values			Units
			Min.	Typ.	Max.	
Luminous Flux	N_V	B	20	35	—	lm
		R	75	100	—	
		W	150	[redacted]	—	
		G	105	[redacted]	—	
Viewing Angle at 50% IV	$2N_{1/2}$	B	—	120	—	Deg
		R	—	120	—	
		W	—	120	—	
		G	—	120	—	
Peak Emission Wavelength	Πp	B	458	460	462	nm
		R	625	630	635	
		G	510	515	520	
Dominant Wavelength	Πd	B	452	457	462	nm
		R	615	620	630	
		G	[redacted]	523	528	
Correlated Colour Temperature	CCT	W	5500	6500	7500	K
Spectral Line Half-Width	Π	B	15	20	25	nm
		R	15	20	25	
		W	15	20	25	
		G	25	30	35	
Forward Voltage	V_f	B	3.0	3.3	3.6	V
		R	2.0	2.3	2.6	
		W	3.0	3.3	3.6	
		G	3.0	3.3	3.6	
Reverse Current	I_R	—	—	—	10	μA
Thermal Resistance Junction to Case	RN_{J-C}	—	—	8.5	—	K/W
Temperature Coefficient of Forward Voltage	V F/T	—	—	-2	—	mV/

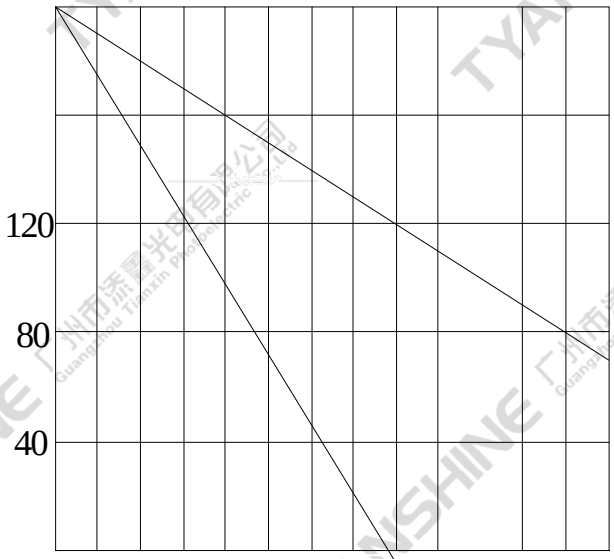
Notes:

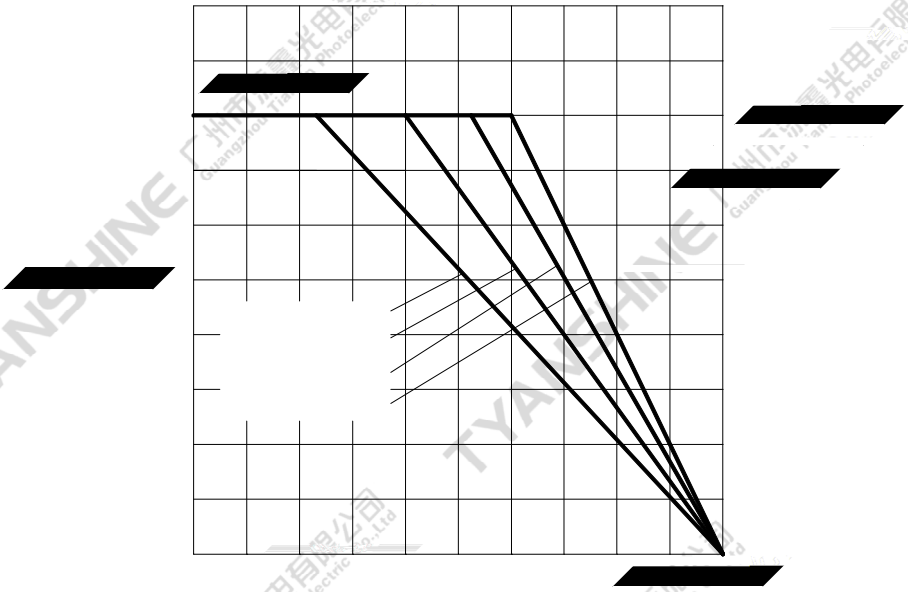
1. Luminous intensity is measured with a light sensor and filter combination that approximates the CIE eye-response curve.
2. $N_{1/2}$ is the off-axis angle at which the luminous intensity is half the axial luminous intensity
3. The dominant wavelength (Πd) is derived from the CIE chromaticity diagram and represents the single wavelength which defines the color of the device.
4. Flux is measured with an accuracy of ±15%.
5. Forward

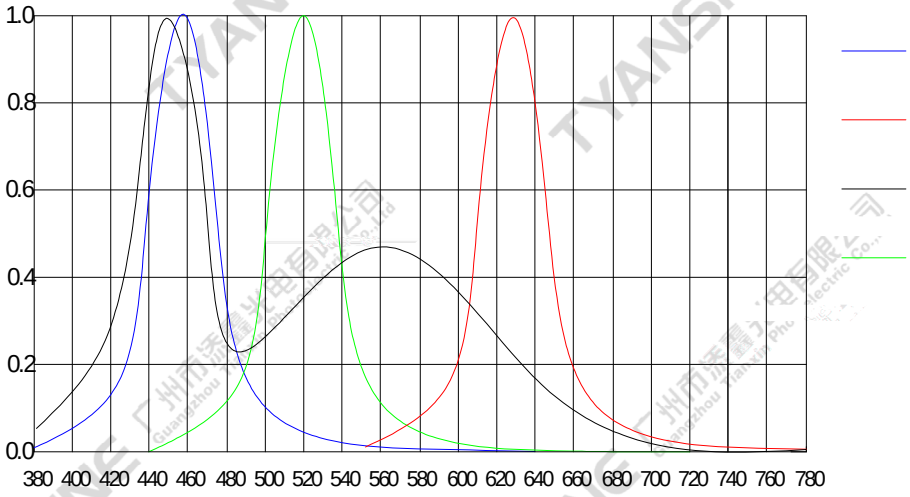
Typical Electrical / Optical Characteristics Curves

(25 Ambient Temperature Unless Otherwise Noted)

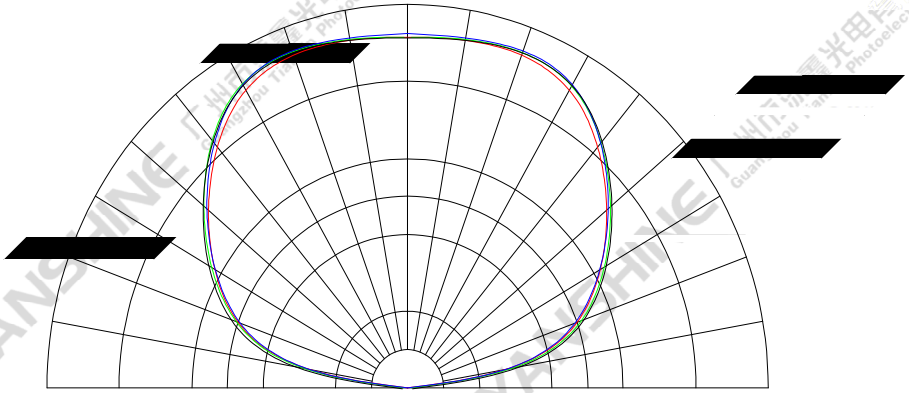








Beam Patter



Relativeintensitv(LOP@ MAX=1)

Notes:

1.2矗 1/2 is the off axis angle from lamp centerline where the luminous intensity is 1/2 of the peak value.

2.View angle tolerance is 5 .