



PRODUCT SPECIFICATION

Part No.	TX-BRWG2A120-101	Spec No.	WKF-BA8001	Page	1 of 8

Checked by:

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Approved by: <

Prepared by:

「州市漆書光电有限公司

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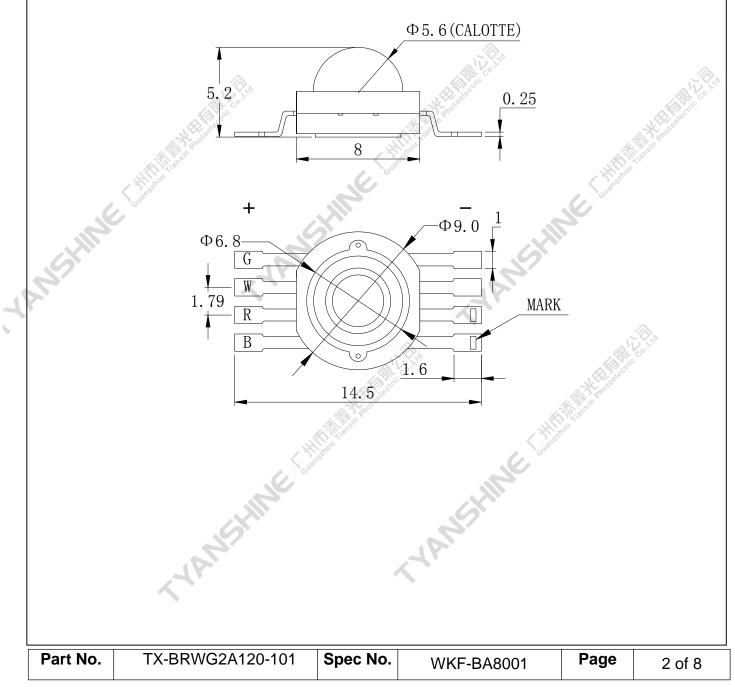
Features:

- 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 is ± 0.25 mm (0.01") unless otherwise noted.

Part NO.		Chip	Material	Lens Color	Source Color		
	Blue	Red	White	Green	Water	Blue & True Redn &	
TX-BRWG2A120-101	GalnN	AlGaInP	GalnN	GalnN	Clear	White & Green	

Absolute Maximum Ratings at Ta=25℃

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Parameter	Symbol		MAX.	Unit	
LED Junction Temperature	Tj		150	°C	
		В	1800		
Dower Dissinction		R	1300		
Power Dissipation	PD	W	1800	mW	
		G	1800	H H ADORECTI	
Peak Forward Current	IFP		1000	mA	
(1/10 Duty Cycle, 0.1ms Pulse Width)			1000		
Continuous Forward Current	IF IF		500	mA	
Reverse Voltage	V _R		5	V	
Electrostatic Discharge Threshold (ESD)	ESD		2000	V	
Operating Temperature Range	T _{opr}		-40 to +70	°C	
Storage Temperature Range	T _{spr}		-40 to +100	C	
Lead Soldering Temperature	Tsol		Hand Soldering: 3	850℃ for 8 sec.	

Notes:

- 1. Specifications are subject to change without notice.
- 2. Under the stipulated Characteristics parameters above, the life span of the LED is more than 50,000hours.
- 3. The data on this specification is for reference only and the actual data is in accordance with the acknowledgment.
- 4. Precautions for ESD:

STATIC SHIELD Electricity and surge damages the LED. It is recommended to use a wrist band or anti-electrostatic glove when handling the LED. All devices, equipment and machinery must be properly grounded.

Part No.	TX-BRWG2A120-101	Spec No.	WKF-BA8001	Page	3 of 8
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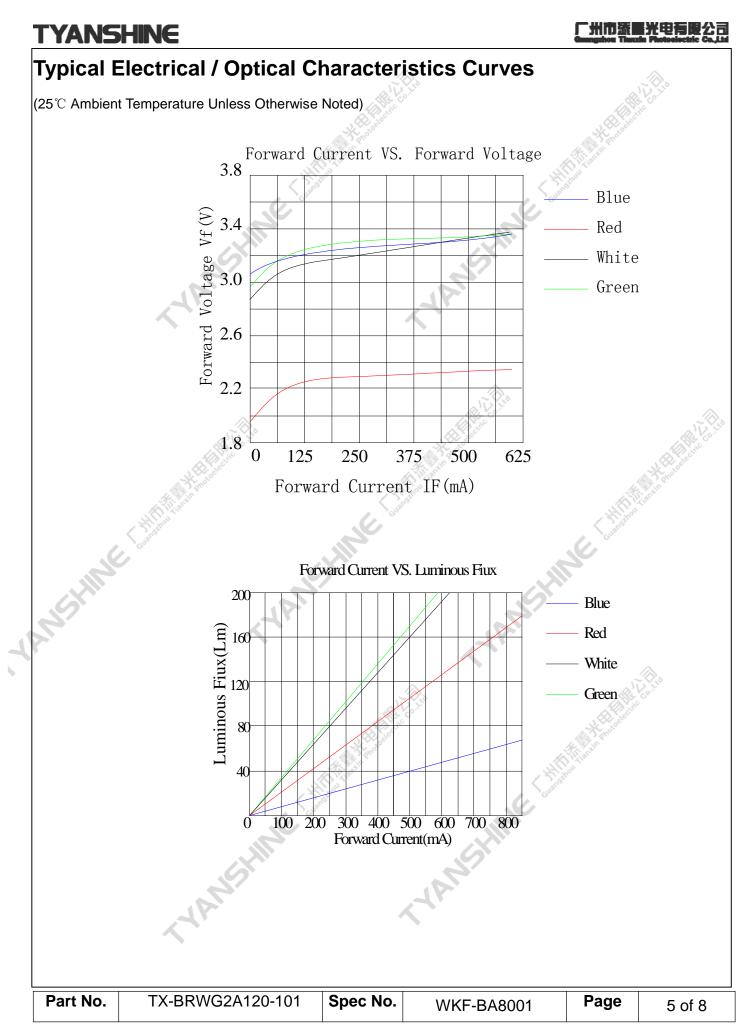
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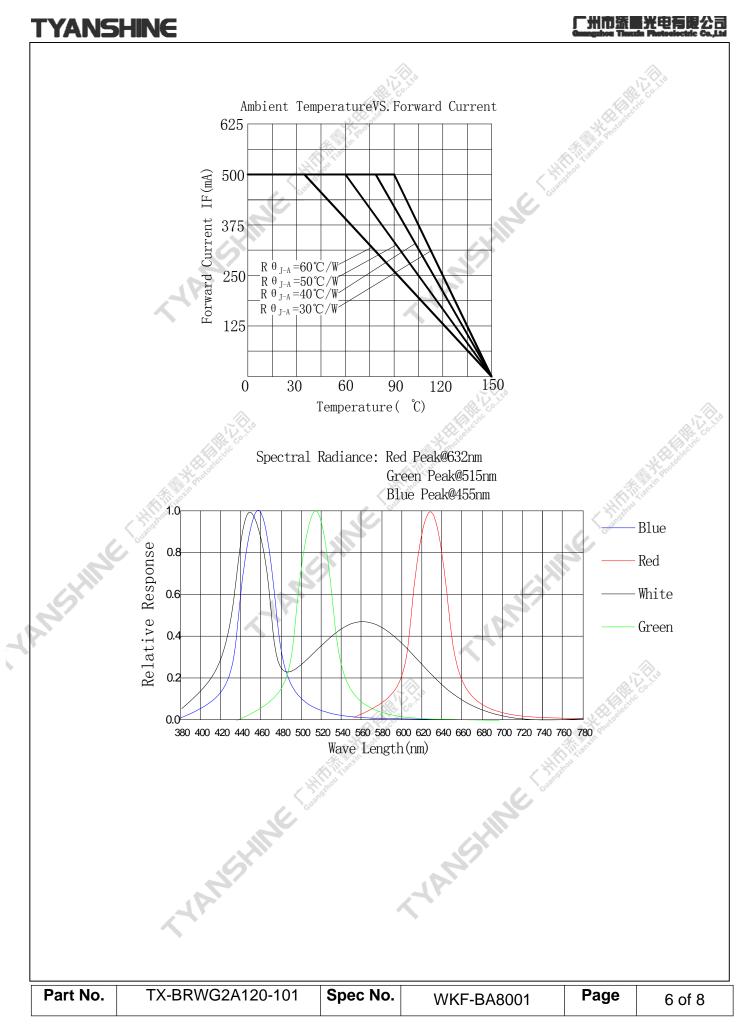
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Parameter	Symbol	Emitting Color	Values			Units
			Min.	Тур.	Max.	Units
Luminous Flux	φ _ν	В	20	40	and and	lm
		R	70	105	(18). <u> </u>	
		W	130	170	_	
.(.)		G	125	160		
		В		120		
Viewing Angle at 50 % IV	2 θ _{1/2}	R		120	_	Dog
	201/2	W	32	120	_	Deg
		G	-	120	_	
		В	450	455	460	nm
Peak Emission Wavelength	λр	R	627	632	637	
		G	510	515	520	
	λd	В	455	460	465	nm
Dominant Wavelength		R	618	623	628	
		G	518	522	528	
Correlated Colour Temperature	ССТ	W	6000	7000	8000	K
A Store		В	15	20	25	in monoperior
Spectral Line Half-Width	Δλ	R	15	20	25	
Spectral Line Hail-Width		Ŵ	15	20	25	
A HALL BOAT	. (G	25	30	35	
Guand	<u>_</u>	В	3.0	3.3	3.6	V
Forward Voltage		R	2.0	2.3	2.6	
I orward voltage	VŤ	W	3.0	3.3	3.6	v
63		G	3.0	3.3	3.6	
Reverse Current	I _R			-	10	μA
hermal Resistance Junction to Case	Rθ _{J-C}	—	12 m	1.5	_	K/W
Temperature Coefficient of Forward Voltage	V∆F/T	BIV. Ind	_	-2	- Children C	mV/°C

Notes:

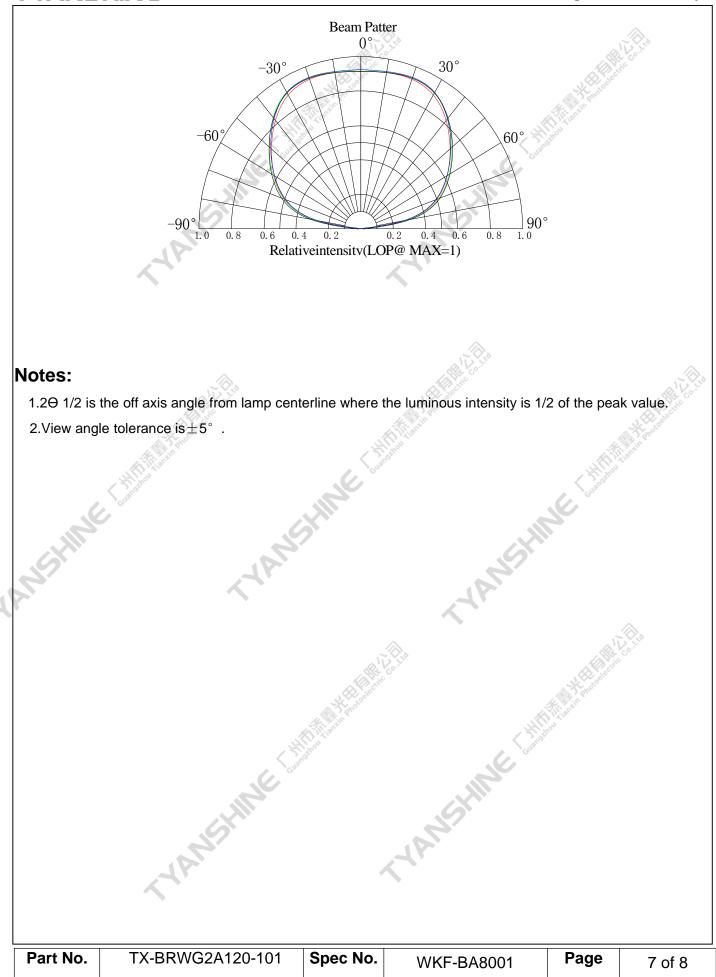
- 1. Luminous intensity is measured with a light sensor and filter combination that approximates the CIE eye-response curve.
- $2.\theta_{1/2}$ is the off-axis angle at which the luminous intensity is half the axial luminous intensity
- 3. The dominant wavelength (λd) is derived from the CIE chromaticity diagram and represents the single wavelength which defines the color of the device.
- 4. Flux is measured with an accuracy of ±15%.
- 5. Forward voltage is measured with an accuracy of ± 0.15 V.

Part No.	TX-BRWG2A120-101	Spec No.	WKF-BA8001	Page	4 of 8	
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PRECAUTION IN USE

Storage

Recommended storage environment

Temperature: 5°C ~ 30°C (41oF ~ 86oF)

Humidity: 60% RH Max.

PRECAUTION IN USE

Storage

Recommended storage environment

Temperature: 5°C ~ 30°C (41oF ~ 86oF)

Humidity: 60% RH Max.

Soldering

Hand Soldering						
Temperature 350°C Max.						
Soldering time	8sec. Max.					
a Strate	Al Main					

AMSHINE

Dimensions for Cannulation and Packaging

Quantity: 40PCS

17.4

Notes:

- 1. All dimensions are in millimeters (inches).
- 2. Tolerance is ± 2.0 mm (0.08") unless otherwise noted.

3. Product is packaged with silica gel to protect the light-emitting zone. Please avoid the light-emitting area from being pressed, stressed, rubbed, come into contact with sharp metal part which would damage the product.

Part No. TX-	BRWG2A120-101	Spec No.	WKF-BA8001	Page	8 of 8
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 8.0 ± 1.0

9.8

3.5