

TX-RBWG8B120-001A

PRODUCT SPECIFICATION



Approved by:

Checked by:

Prepared by:

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Guangzhou Tianyan Photoelectric Co., Ltd

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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
	Red	Blue	White	Green		
TX-RBWG8B120-001	AlGaInP	GaInN	GaInN	GaInN	Water Clear	Red & True Blue & White & Green

Absolute Maximum Ratings at Ta=25

Parameter	Symbol	MAX.	Unit
LED Junction Temperature	T _j	135	
Power Dissipation 	P _D	R	1300
		B	1800
		W	1800
		G	1800
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	I _{FP}	—	mA
Continuous Forward Current	I _F	500	mA
Reverse Voltage	V _R	5	V
Electrostatic Discharge Threshold (ESD)	ESD	2000	V
Operating Temperature Range	T _{opr}	-30 to +70	
Storage Temperature Range	T _{spr}	-40 to +80	

Notes:

- 1. Specifications are subject to change without notice.
- 2. The data on this specification is for reference only and the actual data is in accordance with the acknowledgment.
- 3. 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.

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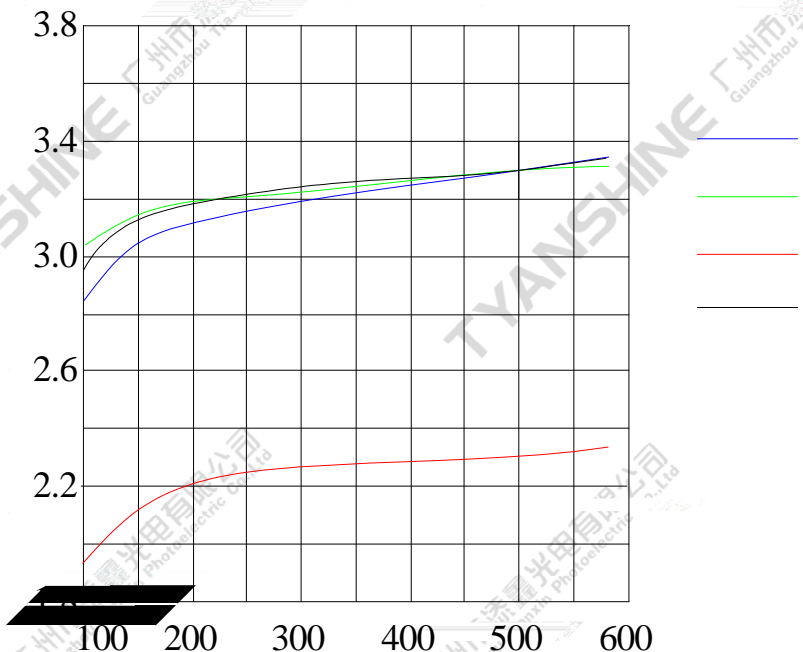
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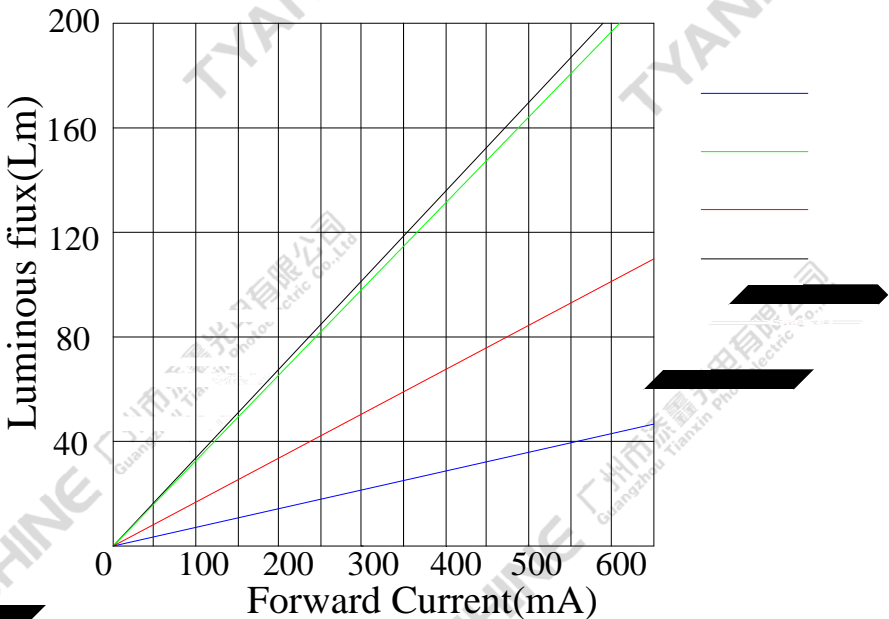
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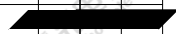
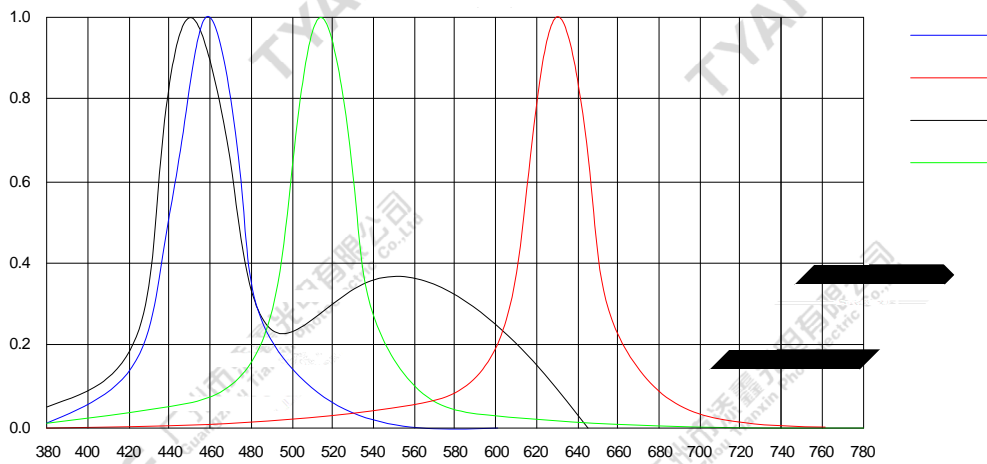
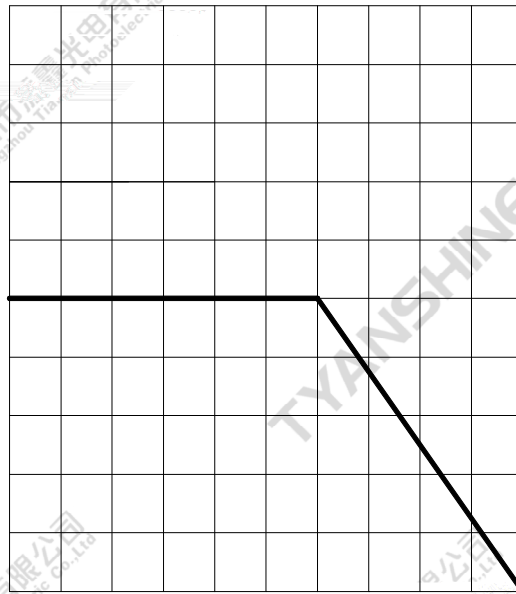
Typical Electrical / Optical Characteristics Curves

(25 Ambient Temperature Unless Otherwise Noted)



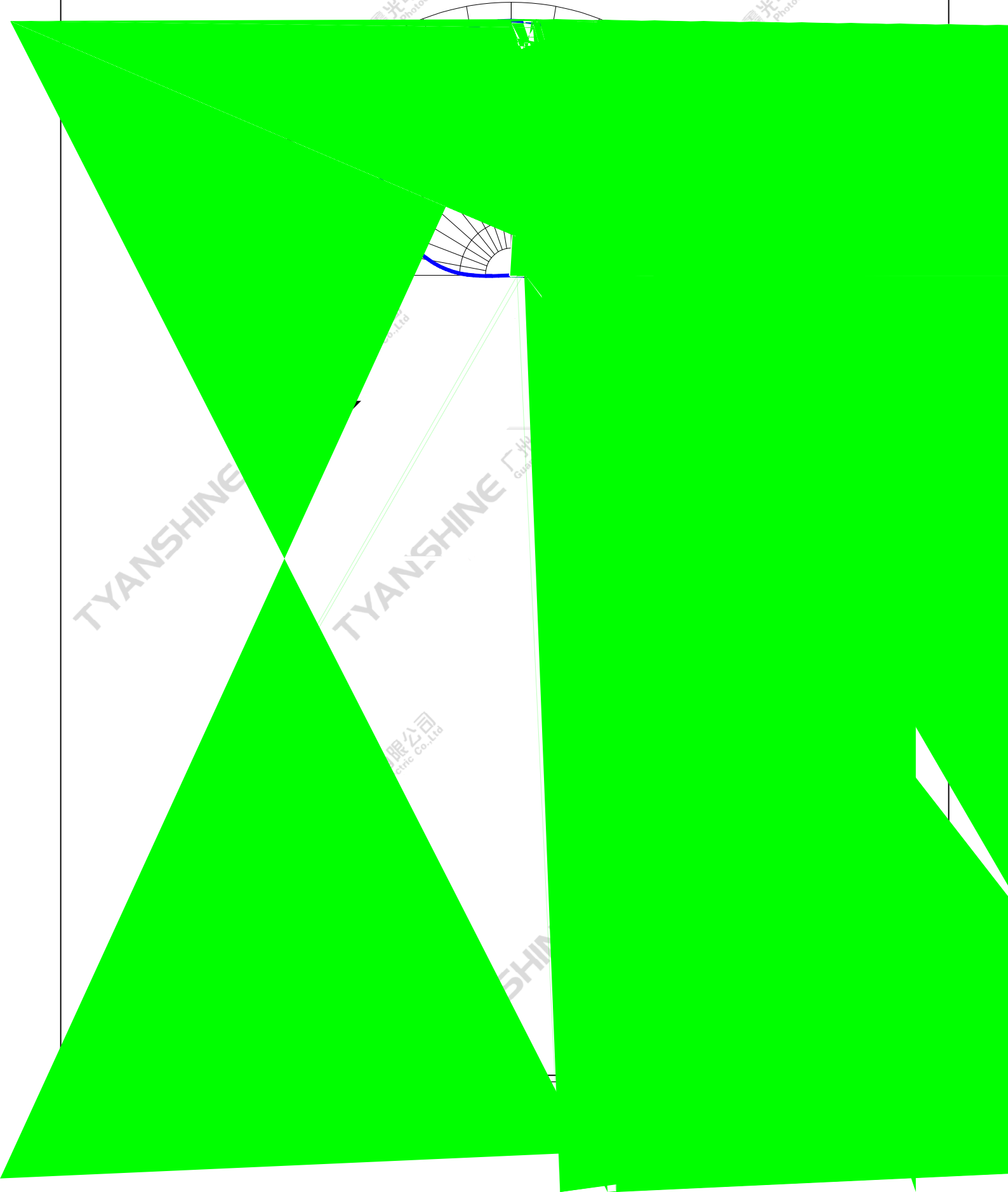
Forward Current VS.Luminous flux





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