

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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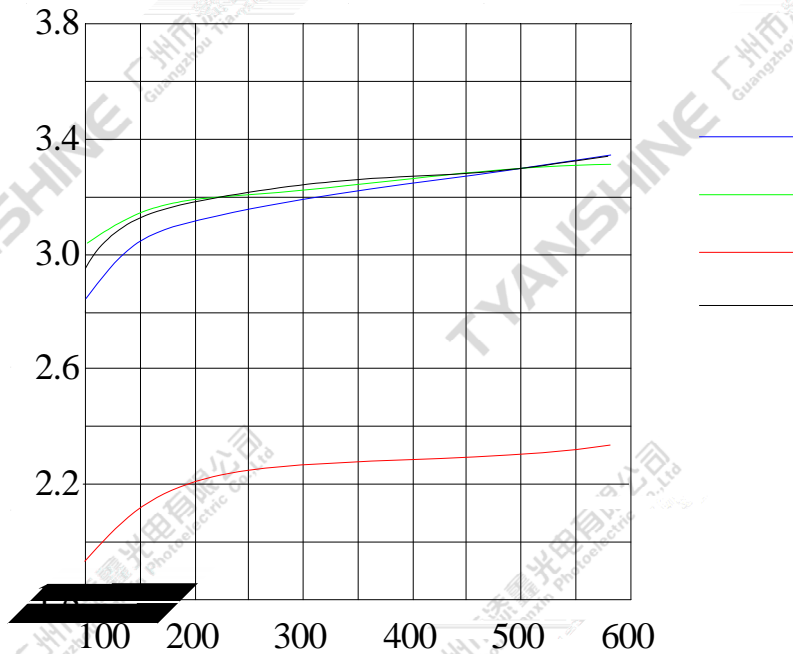
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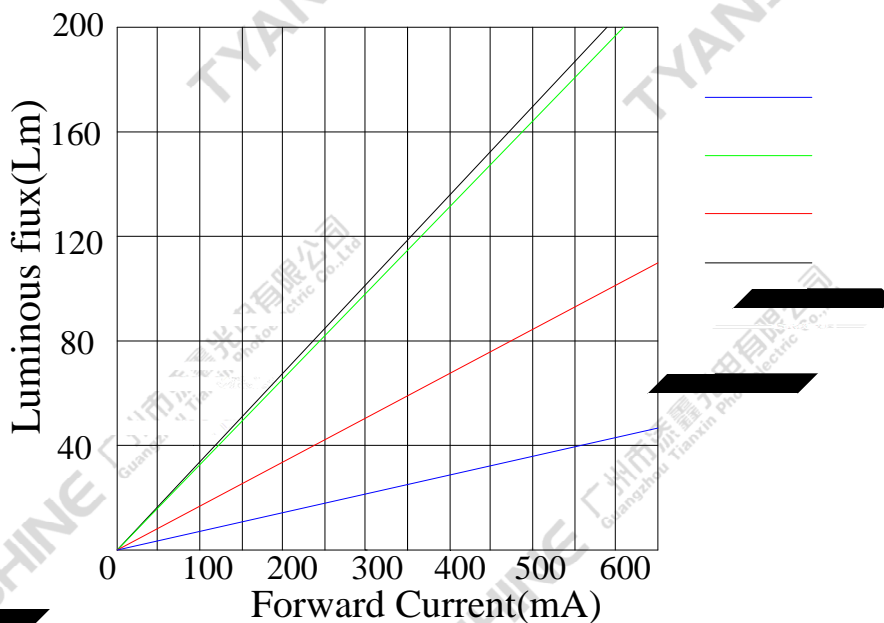
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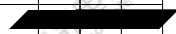
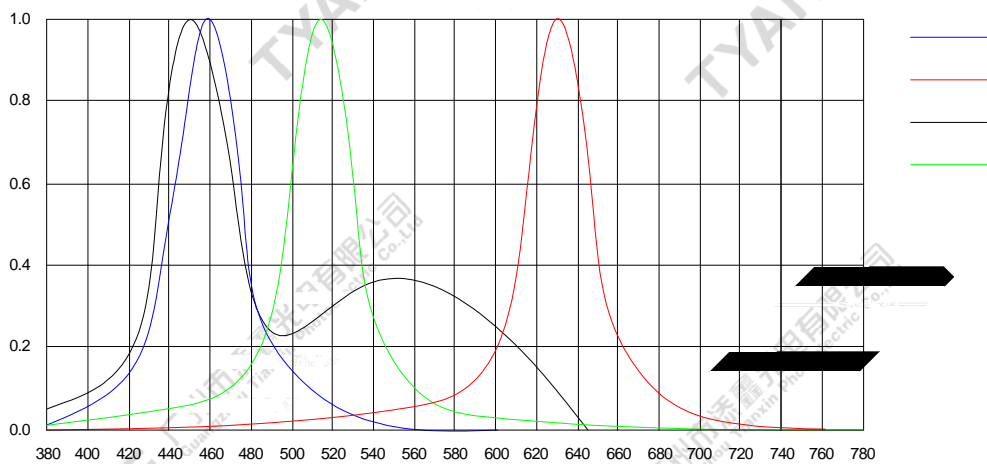
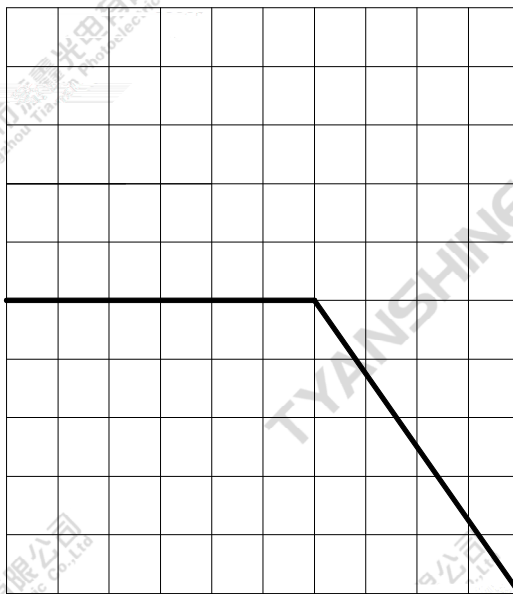
Typical Electrical / Optical Characteristics Curves

(25 Ambient Temperature Unless Otherwise Noted)



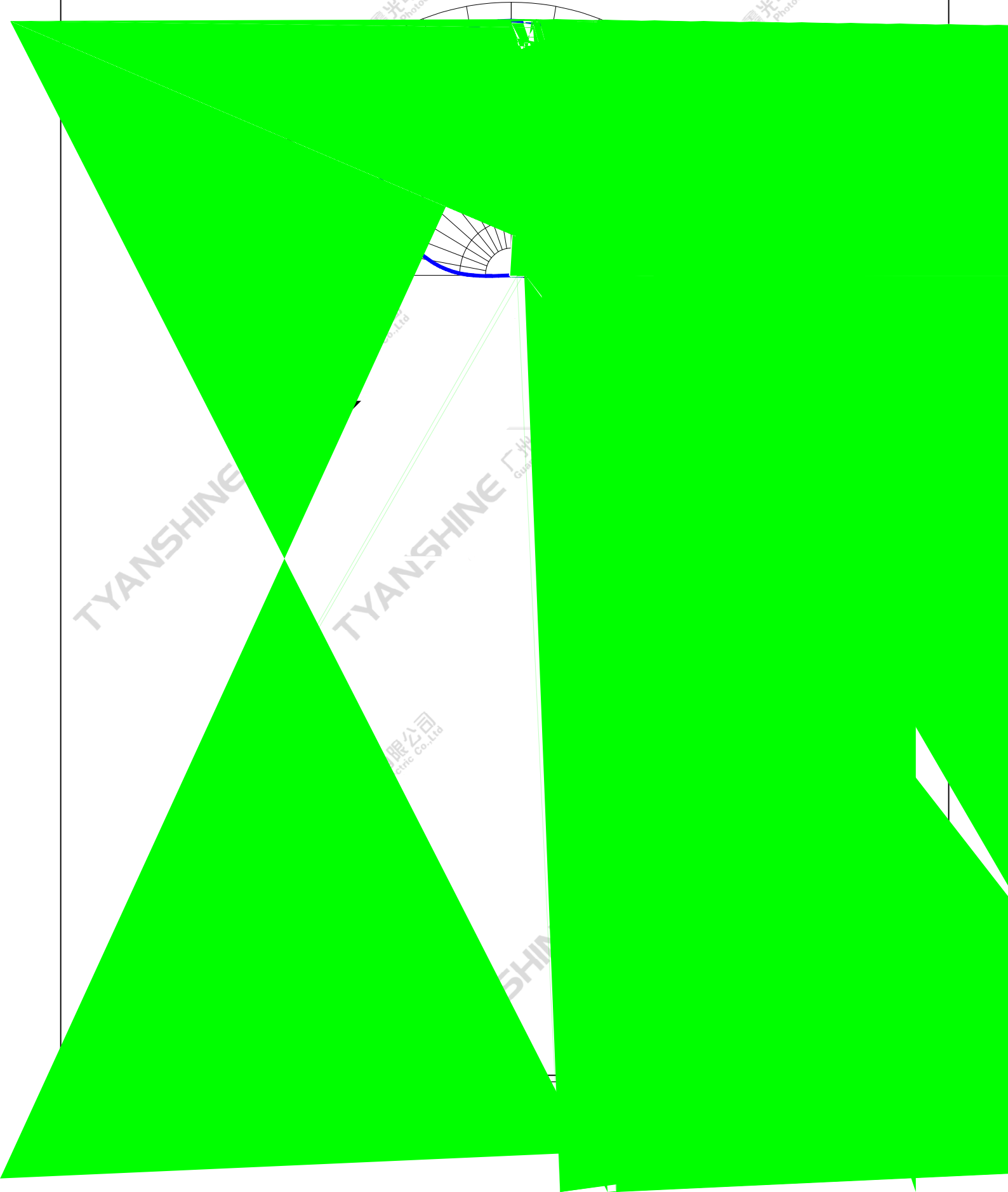
Forward Current VS.Luminous flux





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