

TX-RBWG8B120-001A

PRODUCT SPECIFICATION

Approved by:

Checked by:

Prepared by:

Part No.	TX-RBWG8B120-001A	Spec No.	WKF-BB8007	Page	1 of 9
-----------------	-------------------	-----------------	------------	-------------	--------

TYANSHINE 广州市天砚光电有限公司
Guangzhou Tianyan Photoelectric Co., Ltd

TYANSHINE 广州市天砚光电有限公司
Guangzhou Tianyan Photoelectric Co., Ltd

TYANSHINE 广州市天砚光电有限公司
Guangzhou Tianyan Photoelectric Co., Ltd

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.

Part No.	TX-RBWG8B120-001A	Spec No.	WKF-BB8007	Page	3 of 9
-----------------	-------------------	-----------------	------------	-------------	--------

TYANSHINE 广州市天砚光电有限公司
Guangzhou Tianyan Photoelectric Co., Ltd

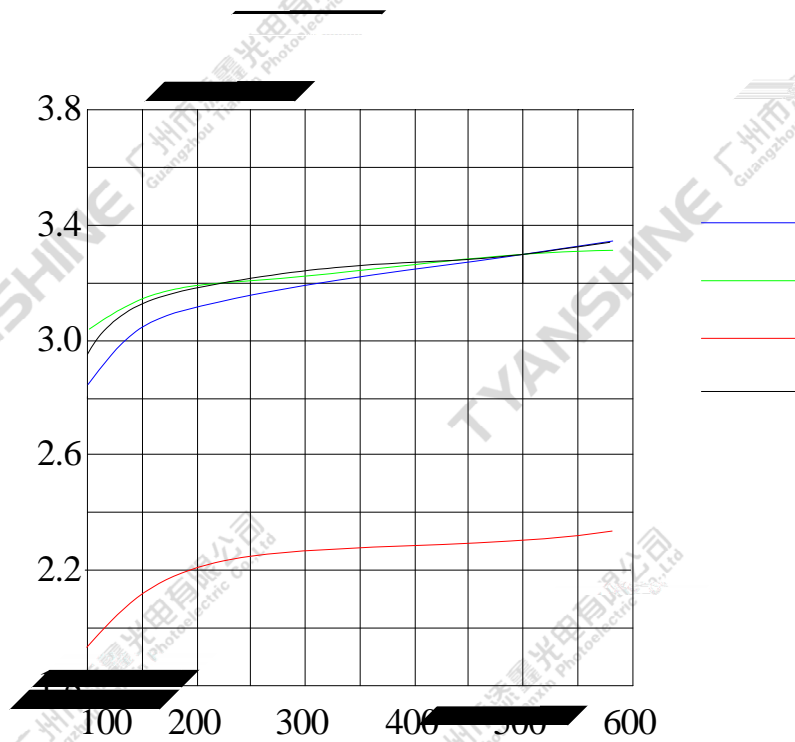
TYANSHINE 广州市天砚光电有限公司
Guangzhou Tianyan Photoelectric Co., Ltd

TYANSHINE 广州市天砚光电有限公司
Guangzhou Tianyan Photoelectric Co., Ltd

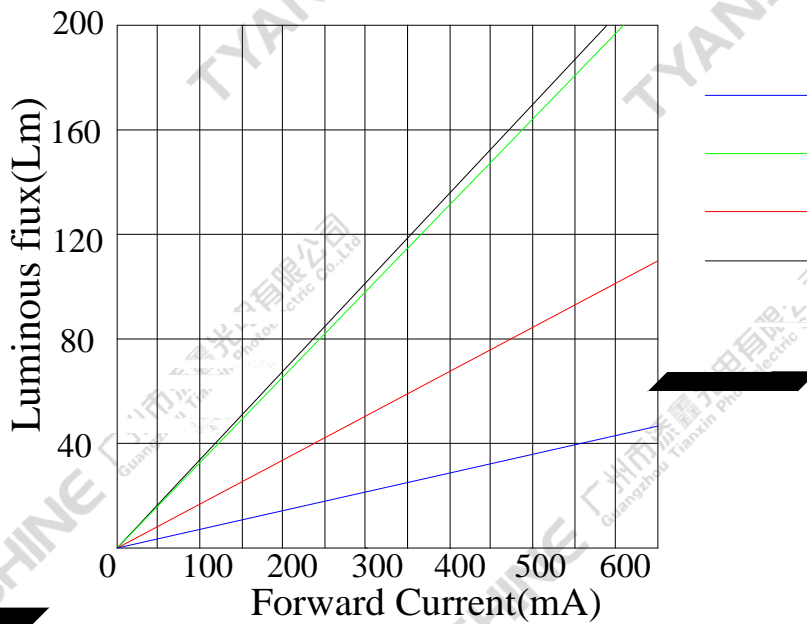
天砚光电
Tianyan Photoelectric

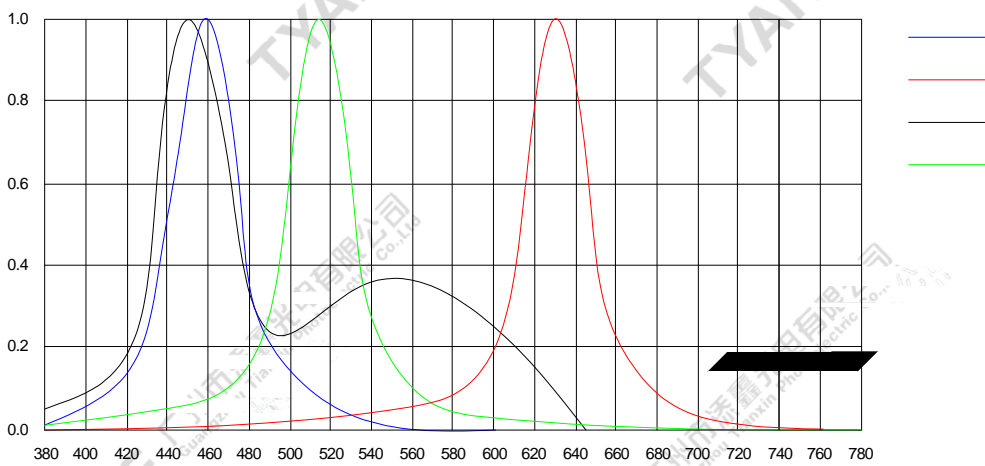
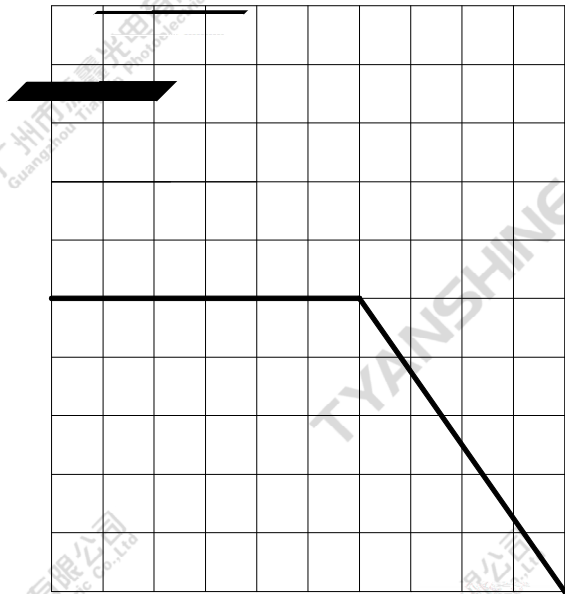
Typical Electrical / Optical Characteristics Curves

(25 Ambient Temperature Unless Otherwise Noted)



Forward Current VS.Luminous flux

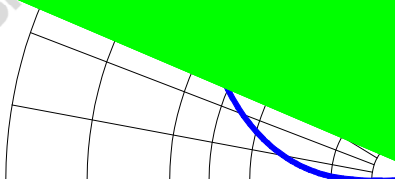




TYANSHINE

光电子有限公司
Photoelectric Co., Ltd

TYANSHINE



光电子有限公司
Photoelectric Co., Ltd
Guangzhou

TYANSHINE

TYA

Par

