

TX-5260RGBW200D180-001

PRODUCT SPECIFICATION

Features:

- ◆Excellent transiting heat from LED chip operating under 1.7 A.
- ◆Mixing any two colors of light, there will be no partial color and color spots uneven phenomenon.
- ◆High luminous output.
- ◆No UV.
- ◆Encapsulated materials are environmentally certified and meet environmental requirements.

Chip Material:

- ◆Red: AlGaInP
- ◆Green: GaInN
- ◆Blue: GaN
- ◆White: GaN

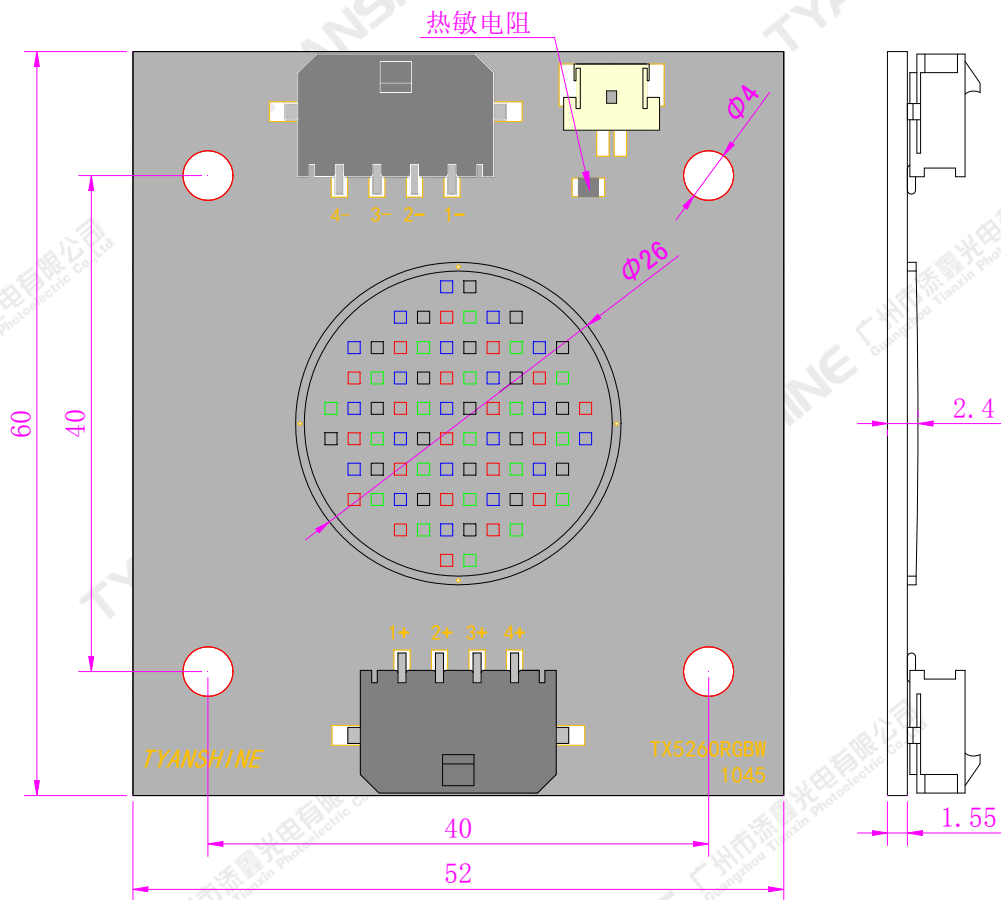
Emitting Color:

- ◆Red
- ◆Green
- ◆Blue
- ◆white

Applications:

- ◆Entertainment lighting
- ◆Landscape lighting
- ◆Commercial lighting
- ◆Decorative lighting

Package Dimensions:



1+: G+ 2+: W+ 3+: R+ 4+: B+

1-: G- 2-: W- 3-: R- 4-: B-

+ : Anode - : Cathode

Notes:

- 1.All dimensions are in millimeters .
- 2.Tolerances unless otherwise mentioned are $\pm 0.1\text{mm}$.

Absolute Maximum Ratings (Tc=25°C)

Parameter	Symbol	Ratings	Unit	
Forward Current	IF	1.7	A	
Reverse Voltage	VR	Not designed for reverse operation	V	
Power Dissipation	PD	R	40800	mW
		G	57800	
		B	57800	
		W	57800	
Junction Temperature	Tj	R	115	°C
		G	150	
		B	150	
		W	150	
Electrostatic Discharge Threshold (ESD)	ESD	2000	V	
Storage Temperature	Tstg	-40~+70	°C	
Operation Temperature	Topr	-30~+100		

Notes:

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

Electrical Optical Characteristics (Tc=25°C)

Parameter	Symbol	Condition	Emitting Color	Min.	Typ.	Max.	Units
Luminous Flux	ϕ_v	If=1.6A	R	1900	2100	—	lm
			G	3400	3700	—	
			B	750	850	—	
			W	3200	3500	—	
Dominant Wavelength	λ_d		R	620	625	628	nm
			G	522	527	532	
			B	452	456	462	
Correlated Colour Temperature	CCT		W	6500	7000	7600	K
Peak-emission Wavelength	λ_p		R	630	635	638	nm
			G	517	522	527	
			B	447	451	457	
Spectral Line Half-Width	$\Delta\lambda$		R	15	17.5	20	nm
		G	30	35	40		
		B	20	23	26		
		W	24	27	30		
Forward Voltage	V_f	R	20	22	24	V	
		G	28	31	34		
		B	28	31	34		
		W	28	31	34		
Viewing Angle at 50% IV	$2\theta_{1/2}$	—	—	—	120	—	Deg
Thermal Resistance Junction to Case	$R\theta_{J-C}$	—	R	—	0.08	—	K/W
		G	—	0.07	—		
		B	—	0.07	—		
		W	—	0.07	—		
Temperature Coefficient of Voltage	$V\Delta F/T$	—	R	—	-15	—	mV/°C
		G	—	-29	—		
		B	—	-33	—		
		W	—	-33	—		

White light Color coordinate filing (IF=1.6A)

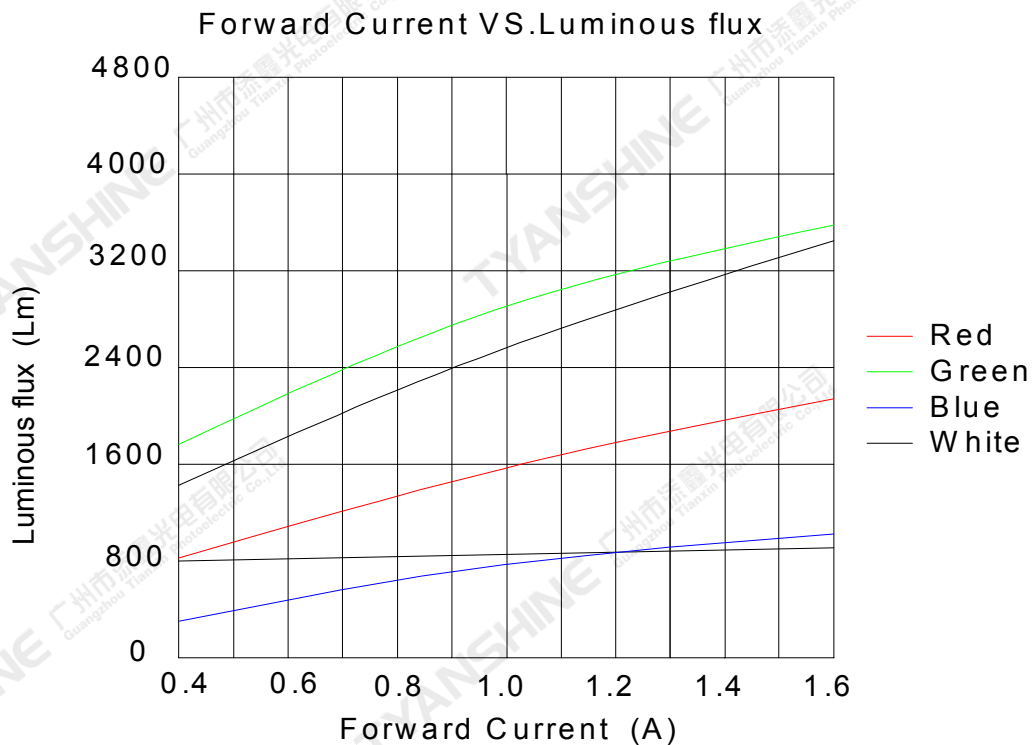
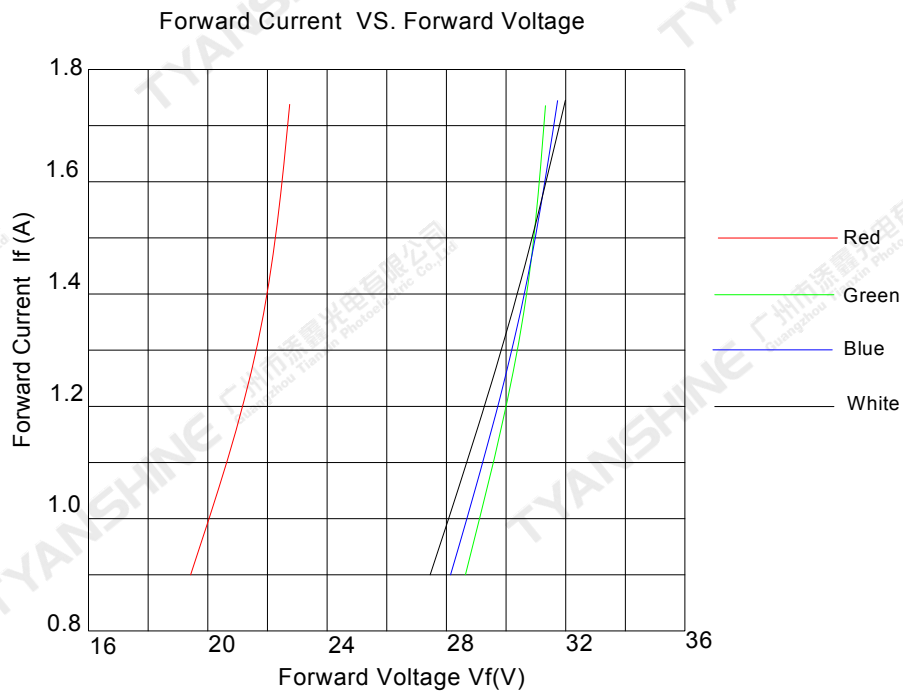
Region	CCT Range		X1	Y1	X2	Y2	X3	Y3	X4	Y4
	Min	Max								
F	6500K	7000K	0.3131	0.3261	0.3057	0.3197	0.3042	0.3275	0.3117	0.3344
F0			0.3117	0.3344	0.3042	0.3275	0.3027	0.3353	0.3104	0.3422
E	7000K	7600K	0.3057	0.3197	0.2981	0.3132	0.2963	0.3202	0.3042	0.3275

Notes:

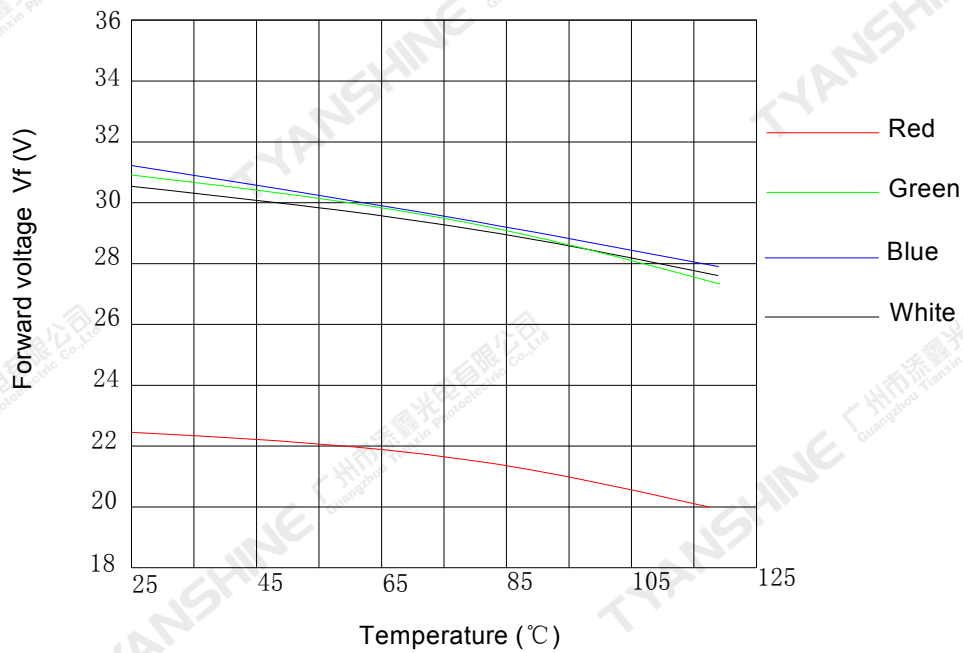
- 1.Luminous intensity is measured with a light sensor and filter combination that approximates the CIE eye-response curve.
2. $\theta_{1/2}$ is the off-axis angle at which the luminous intensity is half the axial luminous intensity.
- 3.Luminous flux measurement tolerance: $\pm 15\%$.
- 4.Forward voltage measurement tolerance: $\pm 0.15V$.

Typical Electrical/Optical Characteristics Curves

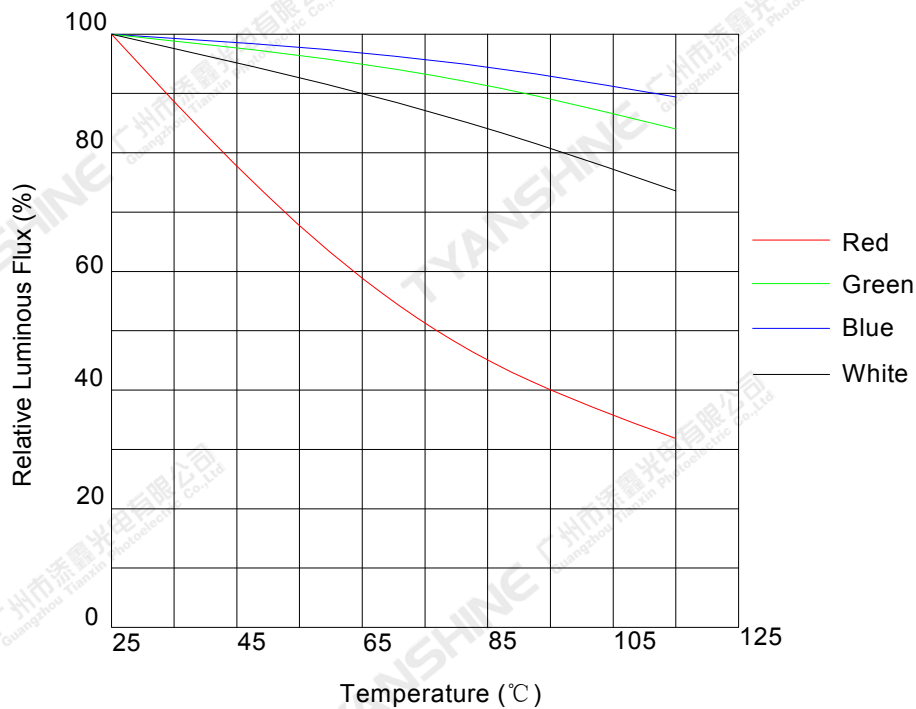
(25°C Ambient Temperature Unless Otherwise Noted)



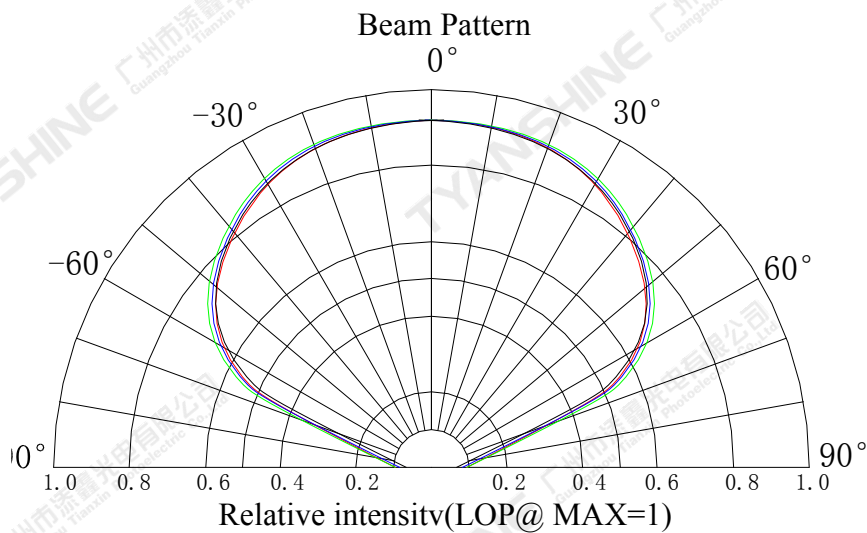
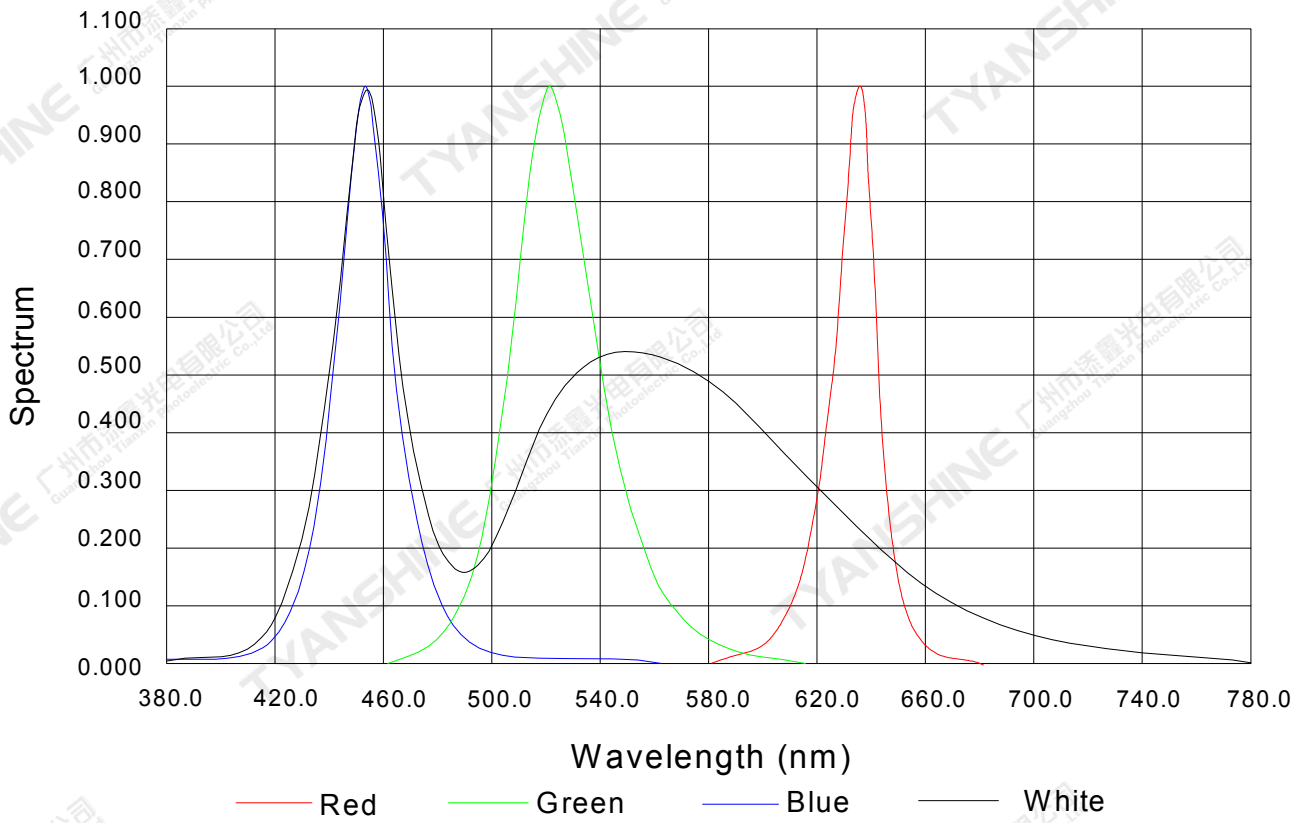
Temperature VS. Forward Voltage (IF=1.6A)



Temperature VS. Relative Luminous Flux (IF=1.6A)



Relative Spectral Distribution

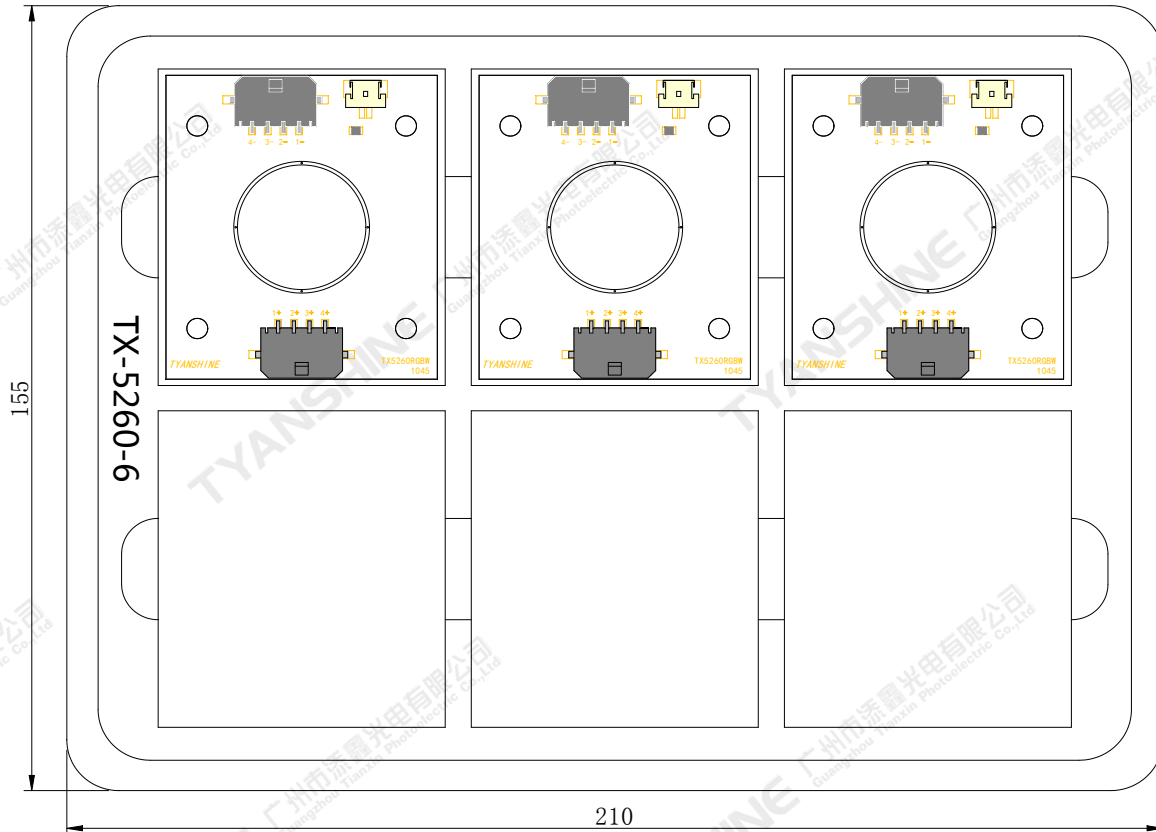


Notes:

1. $2\theta_{1/2}$ is the off axis angle from lamp centerline where the luminous intensity is 1/2 of the peak value.
2. View angle tolerance is $\pm 5^\circ$.

Dimensions For Cannulation And Packaging

Quantity: 6PCS



Notes:

1. All dimensions are in millimeters.
2. Tolerances are ± 2.0 mm unless otherwise noted.
3. The products are packaged together with silica gel, Transport, not to the weight of welding LED light-emitting area, As a result of the weight of LED light-emitting zone in the quality of, Irreponsible of the Company.