TX-5260RGBY150D180-001

PRODUCT SPECIFICATION

Features:

◆Excellent transiting heat from LED chip operating under 1.2 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

◆Yellow: AlGaInP

Emitting Color:

◆Red

◆Green

◆Blue

◆Yellow

Applications:

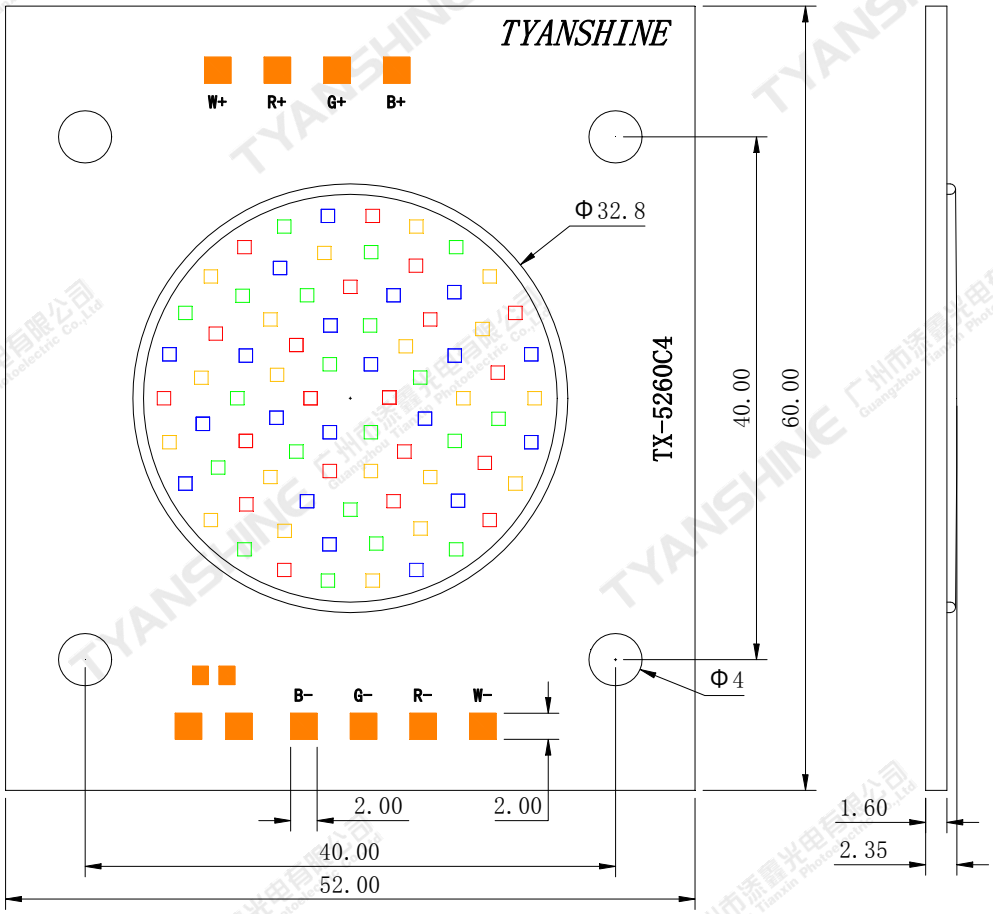
◆Entertainment lighting

◆Landscape lighting

◆Commercial lighting

◆Decorative lighting

Package Dimensions:



Notes:

1.All dimensions are in millimeters .

2.Tolerances unless otherwise mentioned are ±0.1mm .

Absolute Maximum Ratings (Tc=25℃)

Parameter	Symbol		Ratings	Unit
Forward Current	IF		1.2	A
Reverse Voltage	V_R		Not designed for reverse operation	V
Power Dissipation	P_D	R	27600	mW
		G	36900	
		B	36900	
		Y	36900	
Junction Temperature	Tj	R	115	℃
		G	150	
		B	150	
		Y	150	
Electrostatic Discharge Threshold (ESD)	ESD		2000	V
Storage Temperature	T_{stg}		-40~+70	℃
Operation Temperature	T_{opr}		-30~+100	

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.

Electrical Optical Characteristics (Tc=25°C)

Parameter	Symbol	Condition	Emitting Color	Min.	Typ.	Max.	Units
Luminous Flux	φ_v	If=1.2A	R	1300	1600	1900	lm
			G	2200	2600	3000	
			B	480	550	620	
			Y	850	1000	1200	
Dominant Wavelength	λd		R	615	620	625	nm
			G	520	524	530	
			B	458	463	468	
			Y	588	593	598	
Peak-emission Wavelength	λp		R	625	630	635	nm
			G	515	519	523	
			B	453	458	463	
			Y	593	598	603	
Spectral Line Half-Width	△λ		R	15	20	25	nm
			G	25	30	35	
			B	15	20	25	
			Y	25	30	35	
Forward Voltage	V_f		R	20	23	26	V
			G	30	33	36	
			B	30	33	36	
			Y	25	27	29	
Viewing Angle at 50％IV	$2\theta_{1/2}$	—	—	—	120	—	Deg
Thermal Resistance Junction to Case	$R\theta_{J-C}$	If=1.2A	—	—	0.2	—	K/W
Temperature Coefficient of Voltage	V△F/T		—	—	-2	—	mV/℃

Notes:

1.Luminous intensity is measured with a light sensor and filter combination that approximates the CIE eye-response curve.

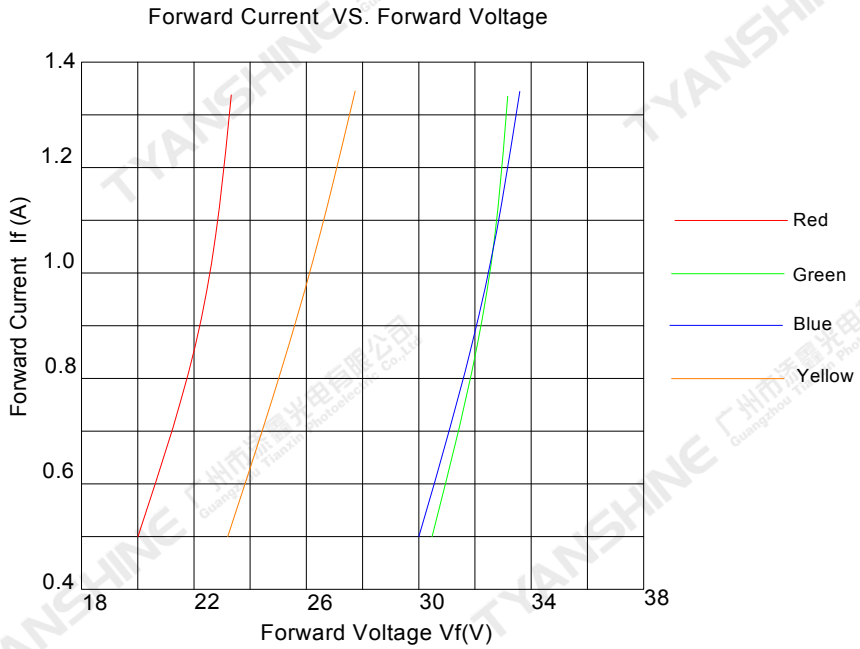
2.$\theta_{1/2}$ is the off-axis angle at which the luminous intensity is half the axial luminous intensity.

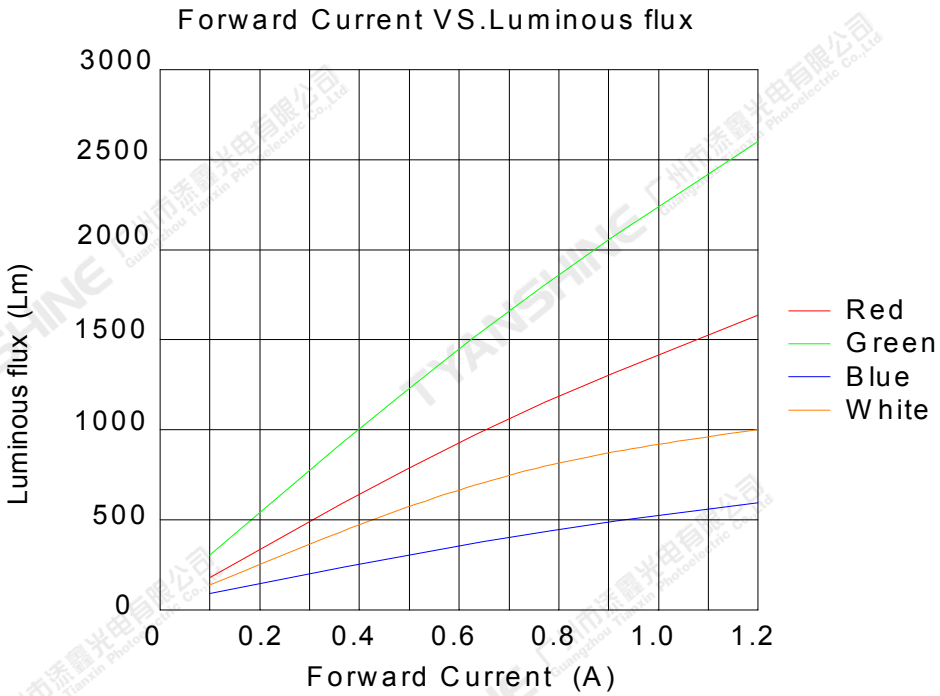
3.Luminous flux measurement tolerance:±15%.

4.Forward voltage measurement tolerance:±0.15V.

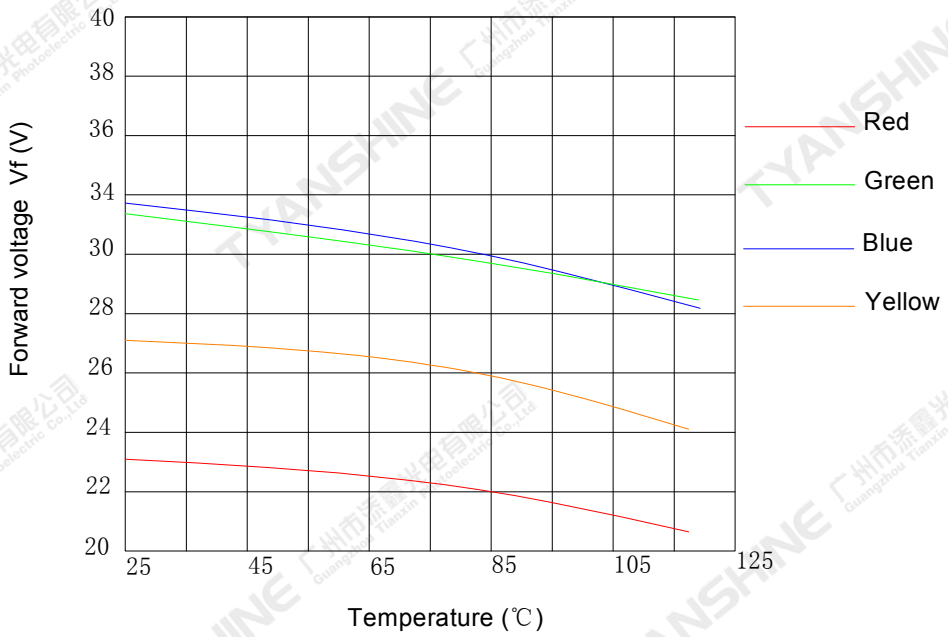
Typical Electrical/Optical Characteristics Curves

(25℃ Ambient Temperature Unless Otherwise Noted)

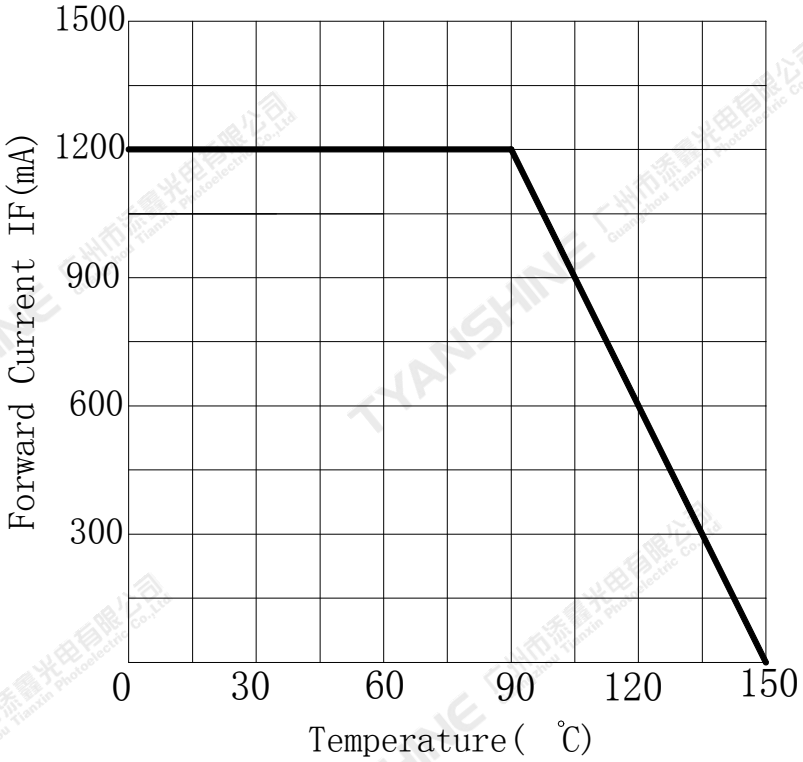


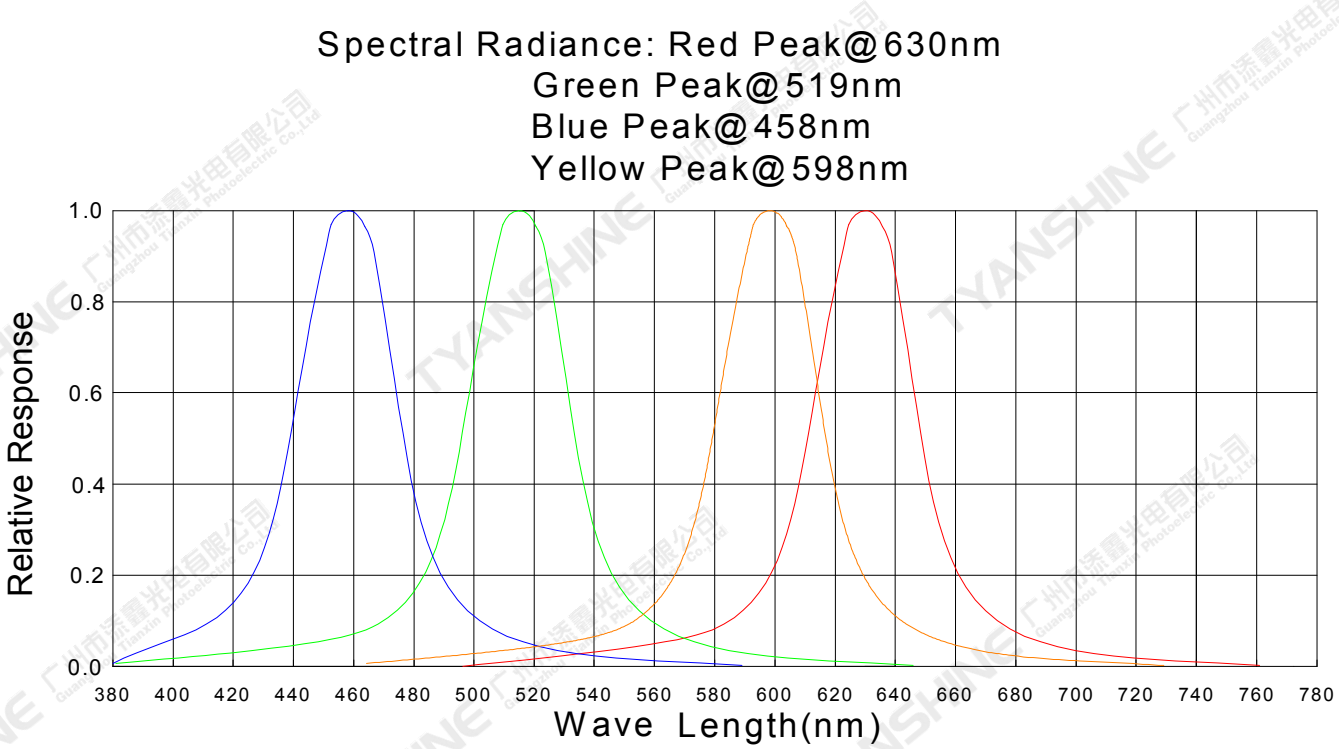


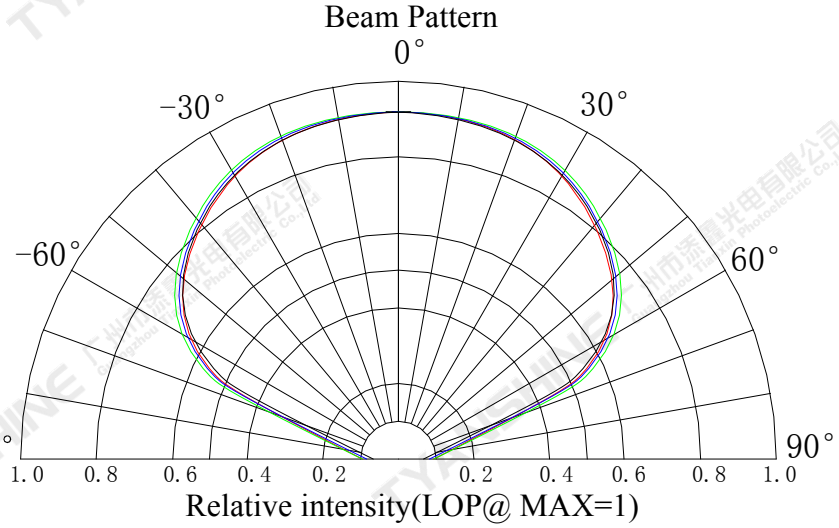
Temperature VS. Forward Voltage (IF=1.2A)



Ambient TemperatureVS.Forward Current





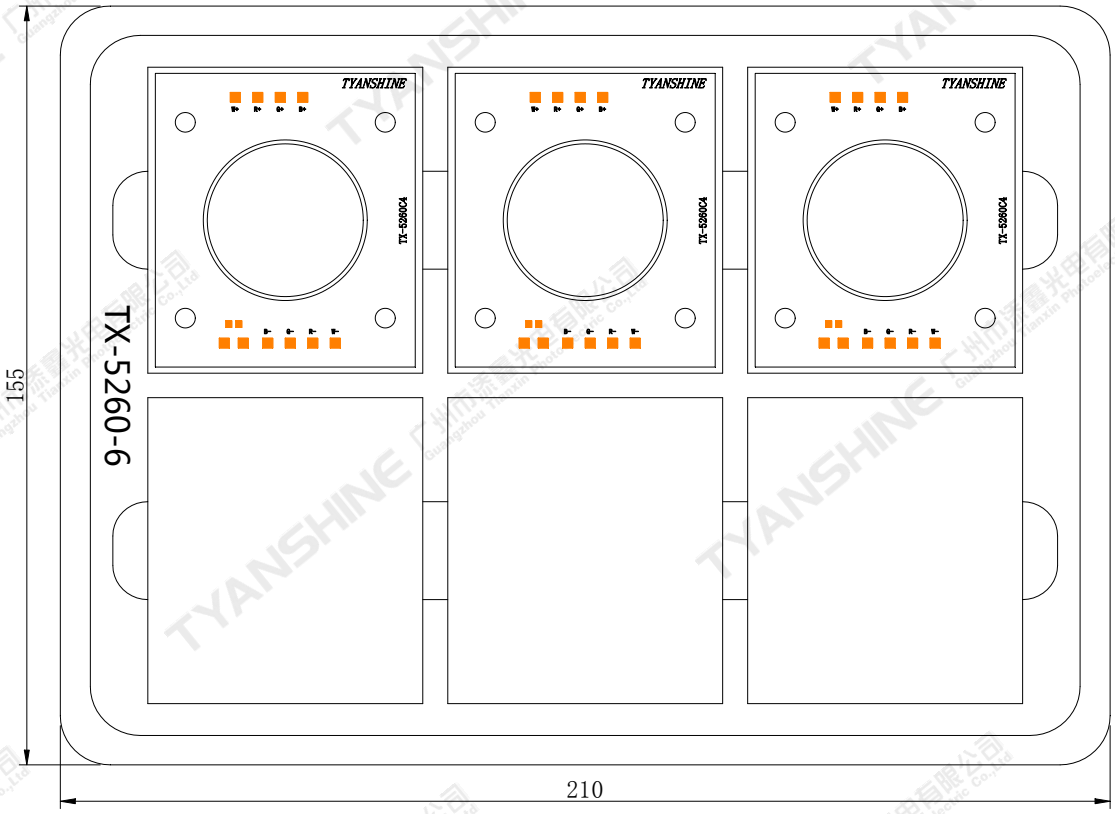


Notes:

1. 2θ 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 ± 5°.

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, Irre sponsible of the Company.