TX-5269RGBASS480C34F13-10H90

PRODUCT SPECIFICATION

Features:

◆Excellent transiting heat from LED chip operating under R/G/B:2000mA,A/S1/S2:2200mA.

◆Provide uniform cross distribution of positive white and warm white dual color scheme, mixed pure.

◆High luminous output.

◆No UV.

◆Encapsulated materials are environmentally certified and meet environmental requirements.

Chip Material:

◆Red:AlGaInP

◆Green:GaInN

◆Blue:GaN

◆PC Amber:GaN

◆Warm White:GaN

Emitting Color:

◆Red

◆Green

◆Blue

◆PC Amber

◆Warm White

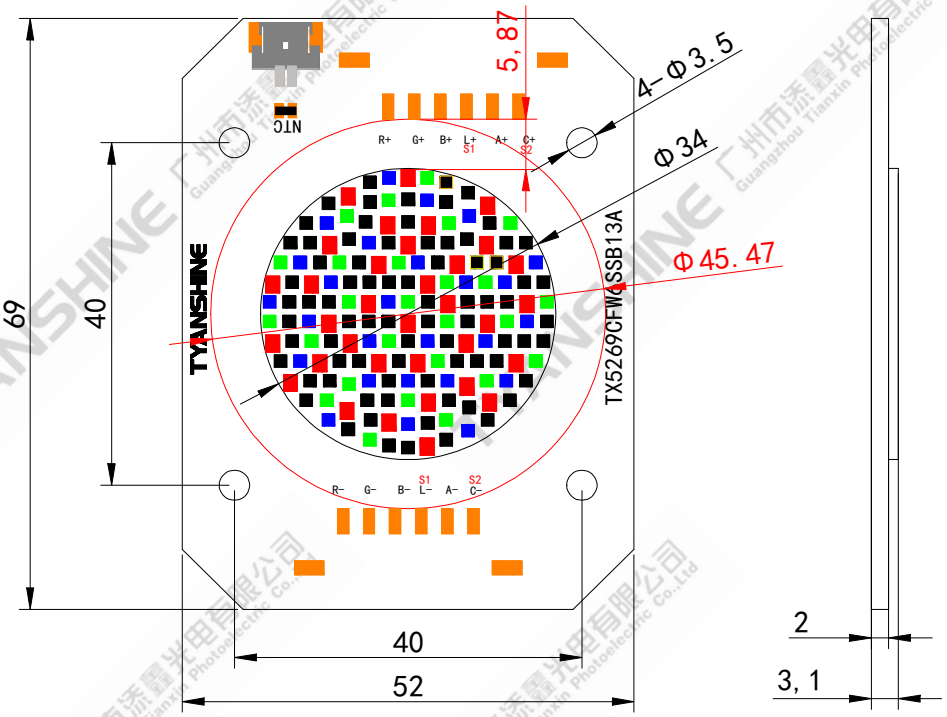
Applications:

◆Indoor lighting

◆Outdoor lighting

◆Industrial lighting

Package Dimensions:



R:Red;G:Green;B:Blue;A:PC Amber;L:Warm White;C:Warm White

Notes:

1.All dimensions are in millimeters .

2.Tolerances unless otherwise mentioned are ±0.25mm .

Absolute Maximum Ratings

Parameter	Symbol		MAX.	Unit
Power Dissipation	P_D	R	84	W
		G	77	
		B	80	
		A	86	
		S1	86	
		S2	86	
Continuous Forward Current	IF	R	2000	mA
		G	2000	
		B	2000	
		A	2200	
		S1	2200	
		S2	2200	
Reverse Voltage	V_R		—	V
LED Junction Temperature	Tj		125	℃
ElectrostaticDischarge Threshoid (ESD)	ESD		2000	V
Operating Temperature Range	T_{opr}		-30 to +70	℃
Storage Temperature Range	T_{spr}		-30 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.

Electrical Optical Characteristics(Tc=25°C,IF=2000mA)

Parameter	Symbol	Emitting Color	Values			Units
			Min.	Typ.	Max.	
Luminous Flux	φ_V	R	3700	4200	4800	lm
		G	5850	6600	7600	
		B	1250	1400	1600	
		A	6450	7300	8400	
		S1	6000	7000	7800	
		S2	6000	7000	7800	
Viewing Angle at 50％IV	$2\theta_{1/2}$	R	—	115	—	Deg
		G	—	115	—	
		B	—	115	—	
		A	—	115	—	
		S1	—	115	—	
		S2	—	115	—	
Peak Emission Wavelength	λp	R	625	632	635	nm
		G	515	519	525	
		B	448	453	458	
Dominant Wavelength	λd	R	618	622	625	nm
		G	520	525	530	
		B	450	455	460	
Spectral Line Half-Width	△λ	R	10	16	20	nm
		G	25	30	35	
		B	10	17	20	
Forward Voltage	V_f	R	38	41	44	V
		G	36	39	42	
		B	36	39	42	
		A	36	39	42	
		S1	36	39	42	
		S2	36	39	42	
Correlated Colour Temperature	CCT	S1/S2	2900	—	3200	K
		A	1750	—	1900	

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.

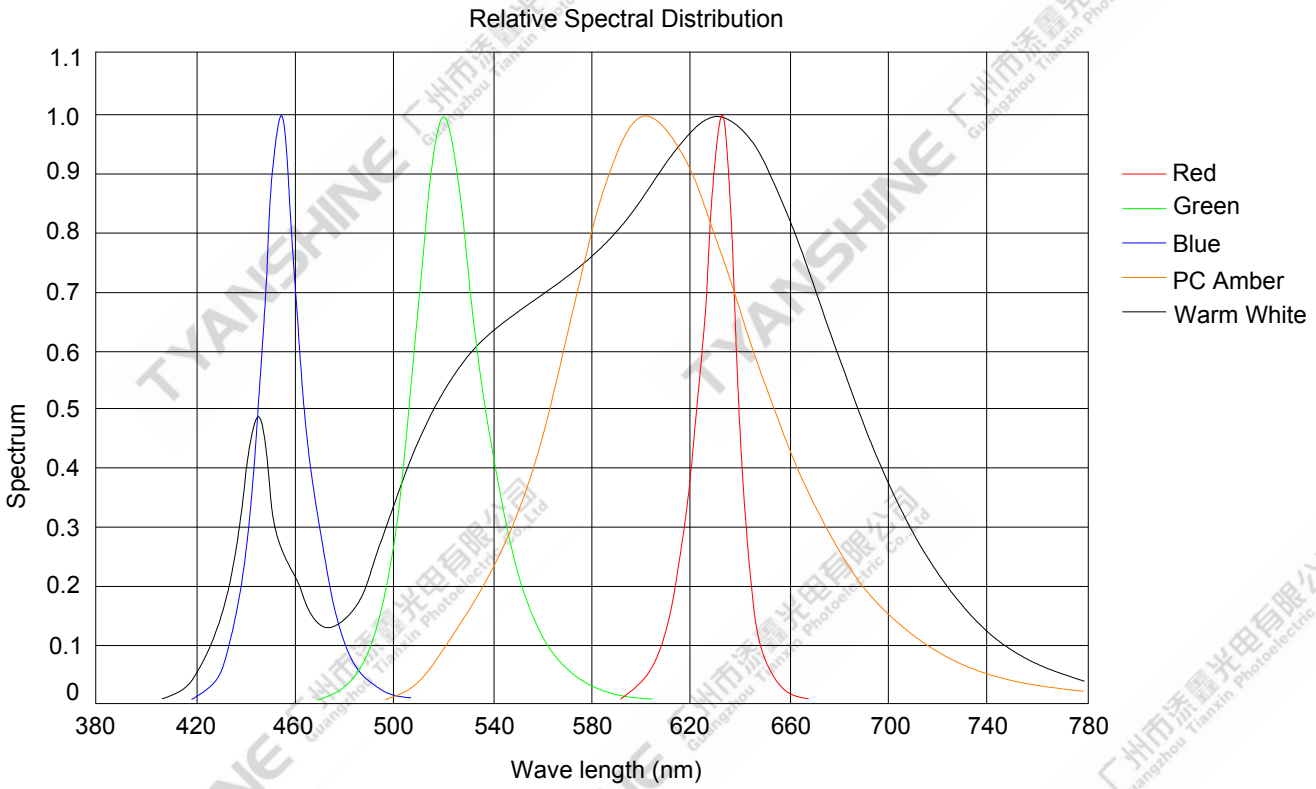
3.The dominant wavelength (λd) is derived from the CIE chromaticity diagram and represents the single wavelength which defines the color of the device.

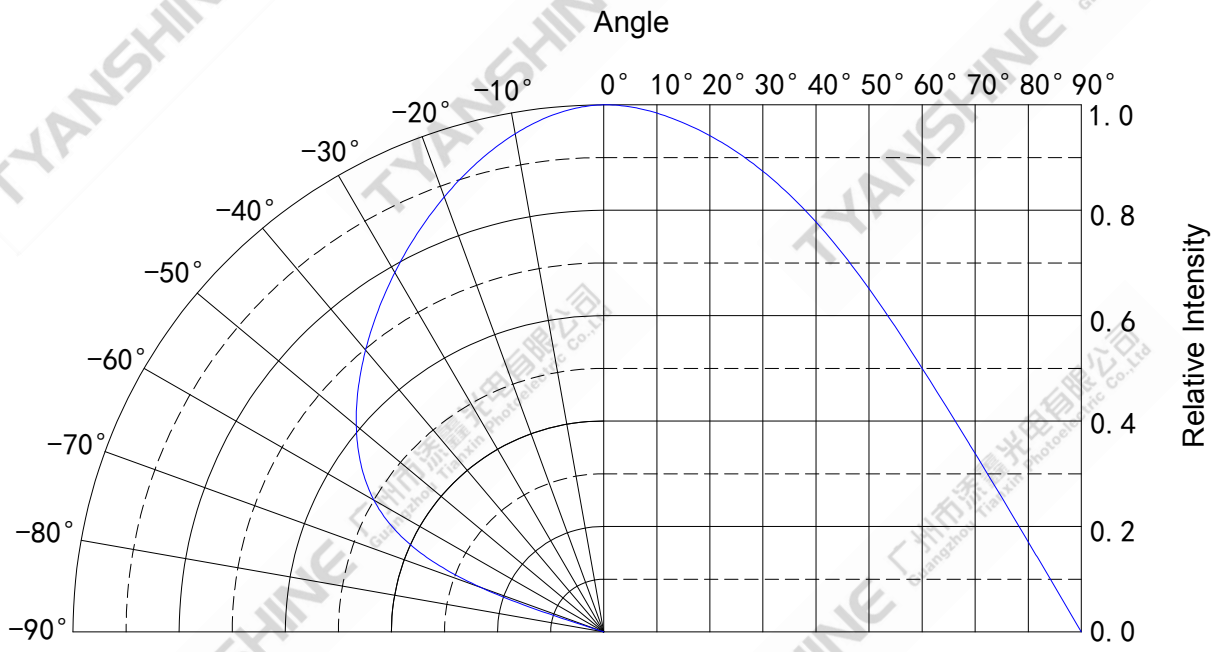
4.Flux is measured with an accuracy of ±15%.

5.Forward voltage is measured with an accuracy of ±3%.

Typical Electrical/Optical Characteristics Curves

(25℃ Ambient Temperature Unless Otherwise Noted)





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°.