

TX-5265RGBLAC480C34F13-1515X164-10

PRODUCT SPECIFICATION

Features:

- ◆Excellent transiting heat from LED chip operating under R/G/B/C:2000mA,L/A:2400mA..
- ◆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
- ◆Lemon:GaN
- ◆PC Amber:GaN
- ◆Cyan:GaN

Emitting Color:

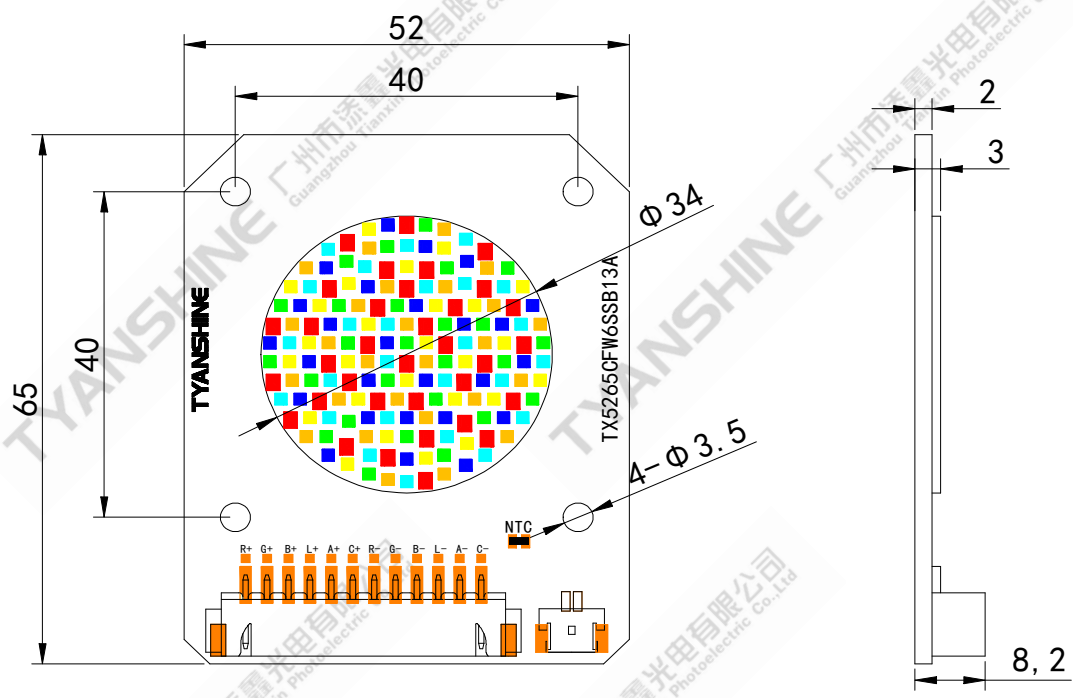
- ◆Red
- ◆Green
- ◆Blue
- ◆Lemon
- ◆PC Amber
- ◆Cyan

Applications:

- ◆Indoor lighting
- ◆Outdoor lighting
- ◆Industrial lighting
- ◆Consumer lighting

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Package Dimensions:



R: Red ; G: Green ; B: Blue ; L: Lemon ; A: PC Amber ; C: Cyan

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	80	
		B	80	
		L	93	
		A	93	
		C	80	
Continuous Forward Current	I _F	R	2000	mA
		G	2000	
		B	2000	
		L	2400	
		A	2400	
		C	2000	
Reverse Voltage	V _R		—	V
LED Junction Temperature	T _j		R:125,GBLAC:150	℃
ElectrostaticDischarge Threshold (ESD)	ESD		2000	V
Operating Temperature Range	T _{opr}		-30 to +85	℃
Storage Temperature Range	T _{spr}		-30 to +80	

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.

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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	900	1050	1200	
		L	11000	12500	14000	
		A	6500	7500	8500	
		C	3000	3500	4000	
Viewing Angle at 50 % IV	$2\theta_{1/2}$	R	—	115	—	Deg
		G	—	115	—	
		B	—	115	—	
		L	—	115	—	
		A	—	115	—	
		C	—	115	—	
Peak Emission Wavelength	λ_p	R	625	632	635	nm
		G	515	519	525	
		B	443	448	453	
		C	480	486	490	
Dominant Wavelength	λ_d	R	620	623	626	nm
		G	520	525	530	
		B	448	453	458	
		C	485	489	495	
Spectral Line Half-Width	$\Delta\lambda$	R	10	16	20	nm
		G	25	30	35	
		B	10	17	20	
		C	20	26	30	
Forward Voltage	V_f	R	39	42	45	V
		G	36	39	42	
		B	36	39	42	
		L	36	39	42	
		A	36	39	42	
		C	36	39	42	
Correlated Colour Temperature	CCT	L	4000	—	4400	K
		A	1750	—	1900	

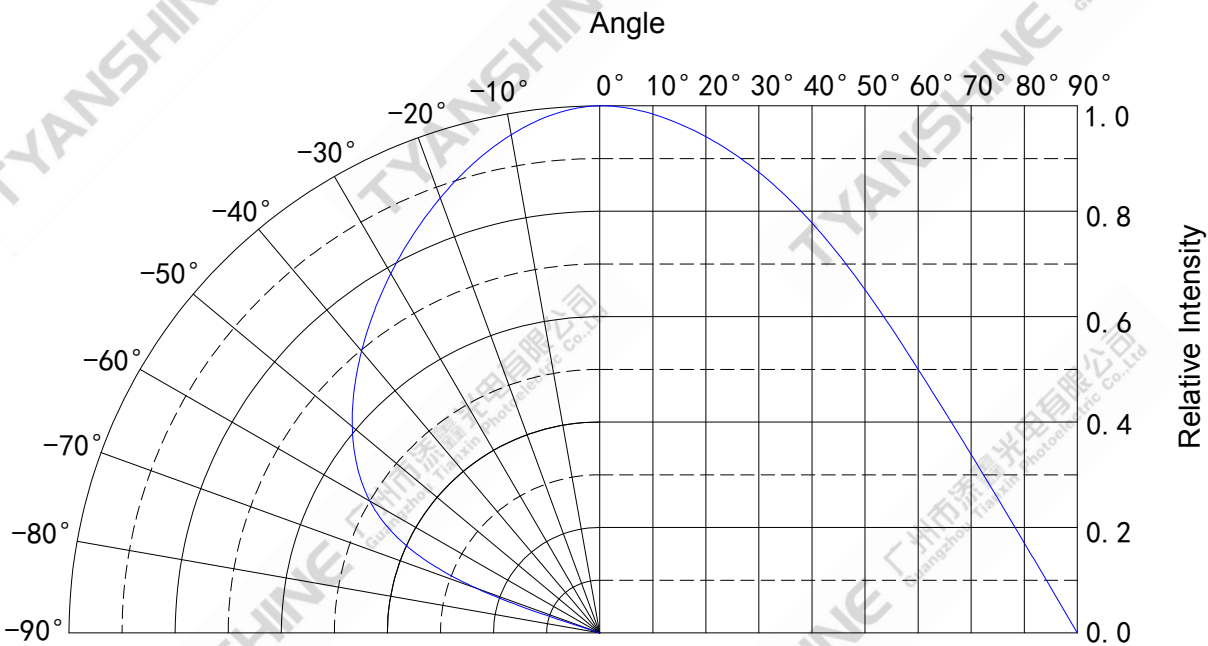
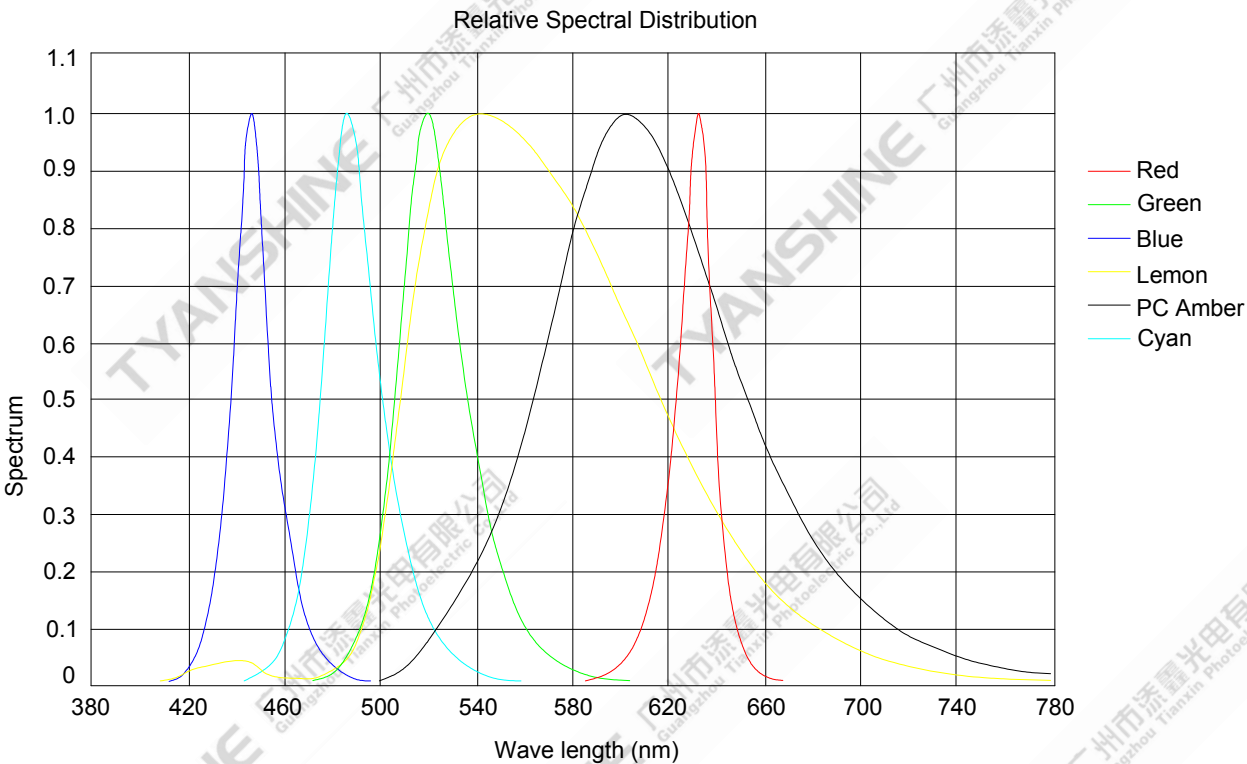
Notes:

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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 (λ_d) 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 $\pm 15\%$.
5. Forward voltage is measured with an accuracy of $\pm 3\%$.

Typical Electrical/Optical Characteristics Curves

(25℃ Ambient Temperature Unless Otherwise Noted)



Notes:

- 2θ 1/2 is the off axis angle from lamp centerline where the luminous intensity is 1/2 of the peak value.
- View angle tolerance is ± 5°.