

TX-3232RGBLA150FC120-NUVCNG-01

PRODUCT SPECIFICATION

Features:

- ◆ 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: AlInGaP
- ◆ Green: GaInN
- ◆ Blue: GaInN
- ◆ Lemon light: GaInN
- ◆ PC Amber: GaInN

Emitting Color:

- ◆ Red (R)
- ◆ Green (G)
- ◆ Blue (B)
- ◆ Lemon light (L)
- ◆ PC Amber (A)

Applications:

- ◆ Auxiliary lighting
- ◆ Ambient lighting
- ◆ Architectural lighting
- ◆ Entertainment lighting

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热敏电阻NCP18XH103F03RB



- 1.All dimensions are in millimeters .
- 2.Tolerances unless otherwise mentioned are $\pm 0.2\text{mm}$.

Absolute Maximum Ratings (Tc=25℃)

Parameter	Symbol		Ratings	Unit
Forward Current	IF	R	1.0	A
		G	1.5	
		B	1.5	
		L	1.3	
		A	1.3	
Reverse Voltage	VR		Not designed for reverse operation	V
Power Dissipation	PD	R	23	W
		G	39	
		B	40.5	
		L	35.1	
		A	35.1	
Junction Temperature	Tj	R	115	℃
		G	150	
		B	150	
		L	150	
		A	150	
Electrostatic Discharge Threshold (ESD)	ESD		2000	V
Storage Temperature(Only for LED, not including packaging)	Tstg		-40~+85	℃
Operation Temperature	Topr		-40~+85	

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.
- The temperature of PCB copper foil within 3mm from the lamp bead shall not exceed 105 ℃. If the input power reaches more than 80% of the maximum input power, the temperature of copper foil within this range shall be controlled within 85 ℃;

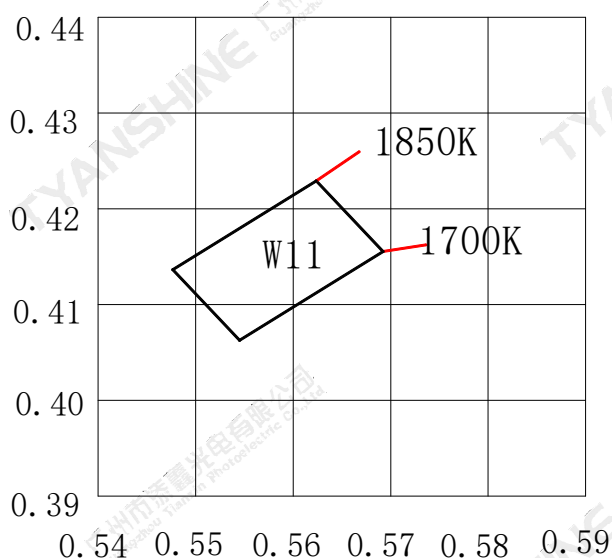
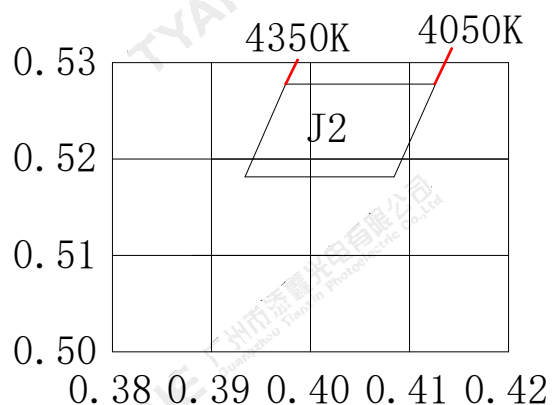
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Electrical Optical Characteristics (Tc=25°C, If=1.0A)

Parameter	Symbol	Emitting color	Min.	Typ.	Max.	Units
Luminous Flux	φ_v	R	730	860	1000	lm
		G	1650	1950	2200	
		B	460	545	610	
		L	2600	2900	3500	
		A	1400	1650	1850	
Forward Voltage	V_f	R	17	20	23	V
		G	20	23.5	26	
		B	21	24.5	27	
		L	21	24.5	27	
		A	21	24.5	27	
Dominant Wavelength	λ_d	R	620	623	626	nm
		G	523	525	528	
		B	464	466	470	
Peak-emission Wavelength	λ_p	R	628	633	638	nm
		G	513	518	523	
		B	455	460	465	
Correlated Colour Temperature	CCT	L	4050	—	4350	K
		A	1700	—	1850	K
Color Rendering Index	Ra	—	—	—	—	—
Viewing Angle at 50 % IV	$2\theta_{1/2}$	—	—	120	—	Deg
Reverse Current	$V_R=5V$	R	—	—	2	μA
		G	—	—	2	
		B	—	—	2	
	—	L	Not designed for reverse operation			
		A				
Temperature Coefficient of Voltage	$V\Delta F/T$	R	—	-17	—	mV/°C
		G	—	-26.67	—	
		B	—	-11.67	—	
		L	—	-10.33	—	
		A	—	-6.83	—	

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: $\pm 10\%$.
4. Forward voltage measurement tolerance: $\pm 3\%$.
5. Ra measurement tolerance: ± 2 .

White light Color coordinate filing ($T_c=25^\circ\text{C}, I_F=1.0\text{A}$)

Region	CCT Range		X1	Y1	X2	Y2	X3	Y3	X4	Y4
	Min	Max								
J2	4050K	4350K	0.4085	0.5183	0.4127	0.5279	0.3975	0.5279	0.3934	0.5183
W11	1700K	1850K	0.5545	0.4064	0.5692	0.4157	0.5624	0.4231	0.5477	0.4138