

TX-2728W80FC120-CUHCNG-A01

PRODUCT SPECIFICATION

Features:

- ◆ High luminous output.
- ◆ No UV.
- ◆ Encapsulated materials are environmentally certified and meet environmental requirements.

Chip Material:

- ◆ GaN

Emitting Color:

- ◆ white

Applications:

- ◆ Auxiliary lighting
- ◆ Architectural lighting

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TYANSHINE
TX2728CHB1PNB1BT

28
18
7.6
26.8
9
5.5
5.5
3.5
3.7±0.2
3±0.1
1.75
90°
4-φ3
φ2.95
NTC
热敏电阻NCP18XH103F03RB
2-φ5.5背面沉孔

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	5.5	A
Reverse Voltage	VR	Not designed for reverse operation	V
Power Dissipation	PD	80	W
Junction Temperature	Tj	150	℃
Electrostatic Discharge Threshold (ESD)	ESD	2000	V
Storage Temperature(Only for LED, not including packaging)	Tstg	-40~+80	℃
Operation Temperature	Topr	-40~+80	

Notes:

- 1.Specifications are subject to change without notice.
- 2.Under the stipulated Characteristics parameters above, the life span of the LED is more than 50,000hours.
- 3.The data on this specification is for reference only and the actual data is in accordance with the acknowledgment.
- 4.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.

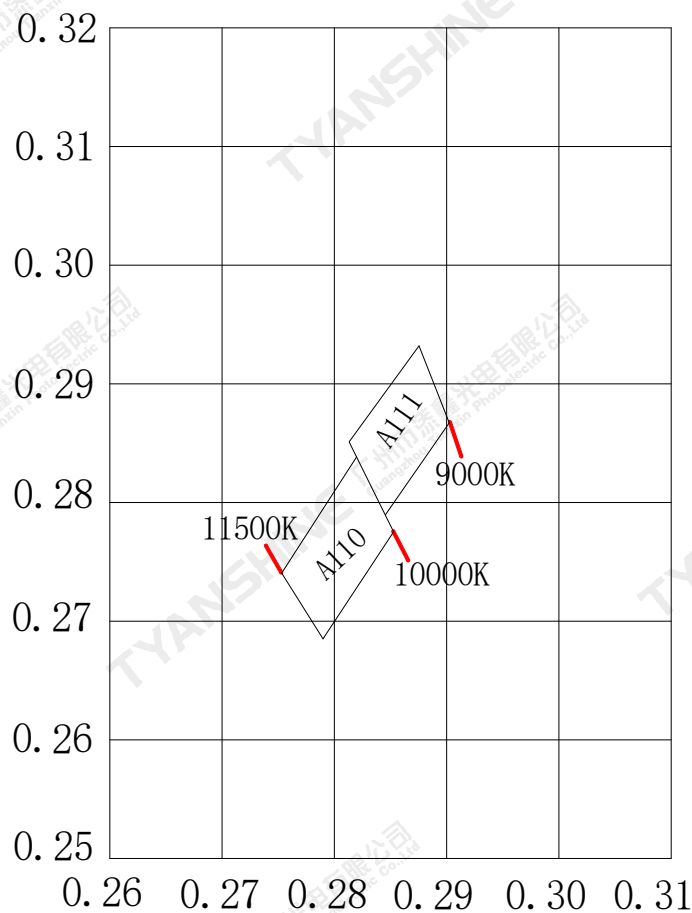
Electrical Optical Characteristics (Tc=25°C)

Parameter	Symbol	Condition	Min.	Typ.	Max.	Units
Luminous Flux	ϕ_v	If=5.0A	3400	4200	4500	lm
Correlated Colour Temperature	CCT	If=5.0A	9000	—	11500	K
Forward Voltage	V_f	If=5.0A	12	14	16	V
Viewing Angle at 50 % IV	$2\theta_{1/2}$	—	—	120	—	Deg
Reverse Current	I_R	—	—	—	—	μA
Thermal Resistance Junction to Case	$R\theta_{J-C}$	If=5.0A	—	1.1	—	K/W
Temperature Coefficient of Voltage	$V\Delta F/T$	If=5.0A	—	-12.33	—	mV/°C
Thermistor(NTC)	Rt25	—	—	10	—	K Ω

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.

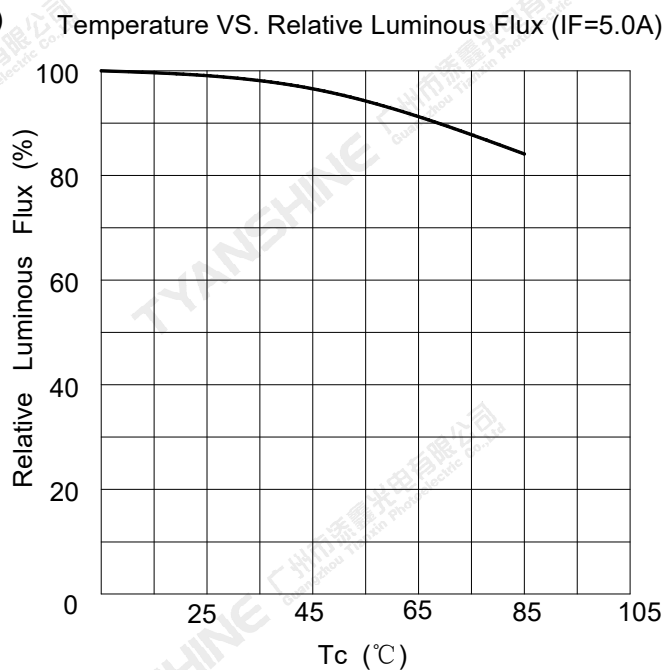
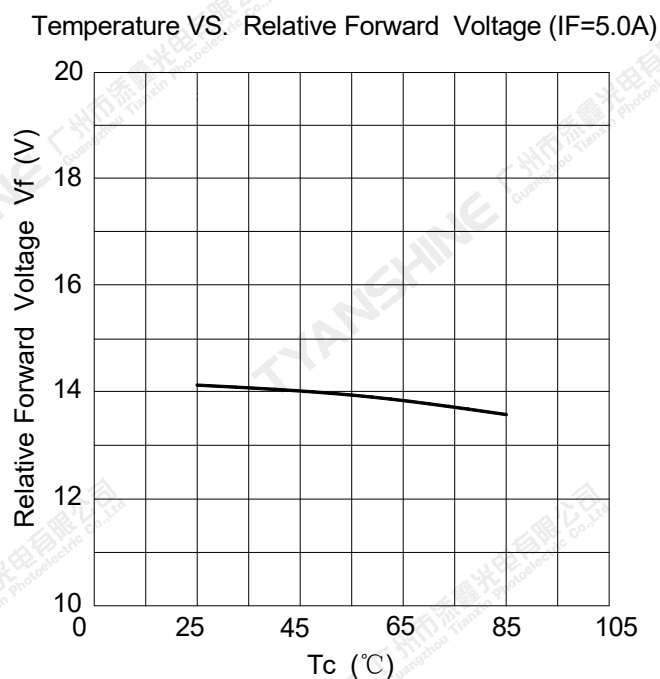
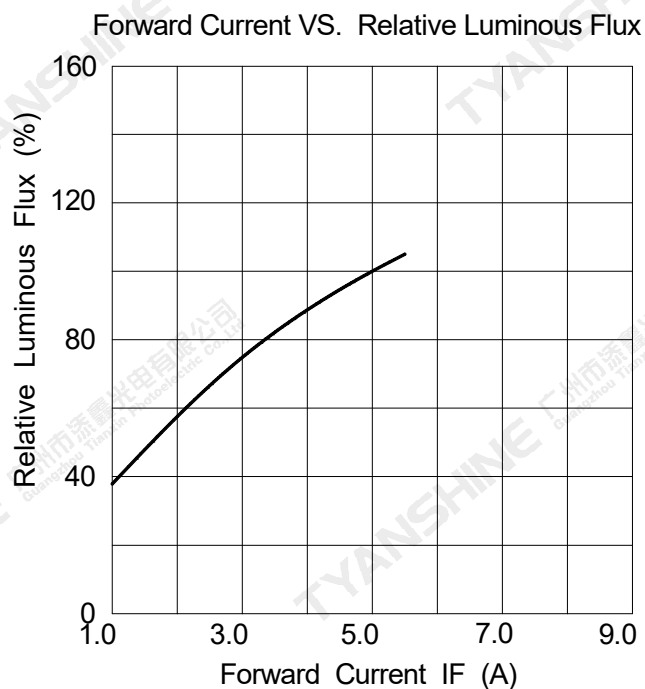
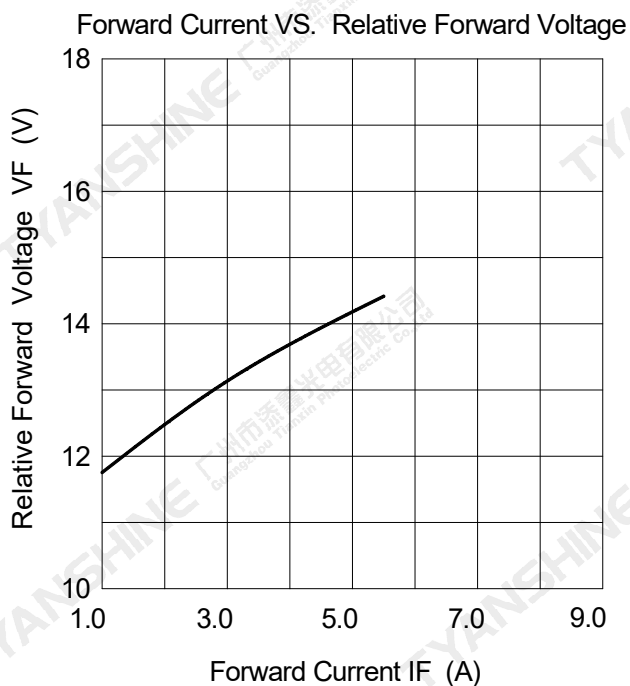
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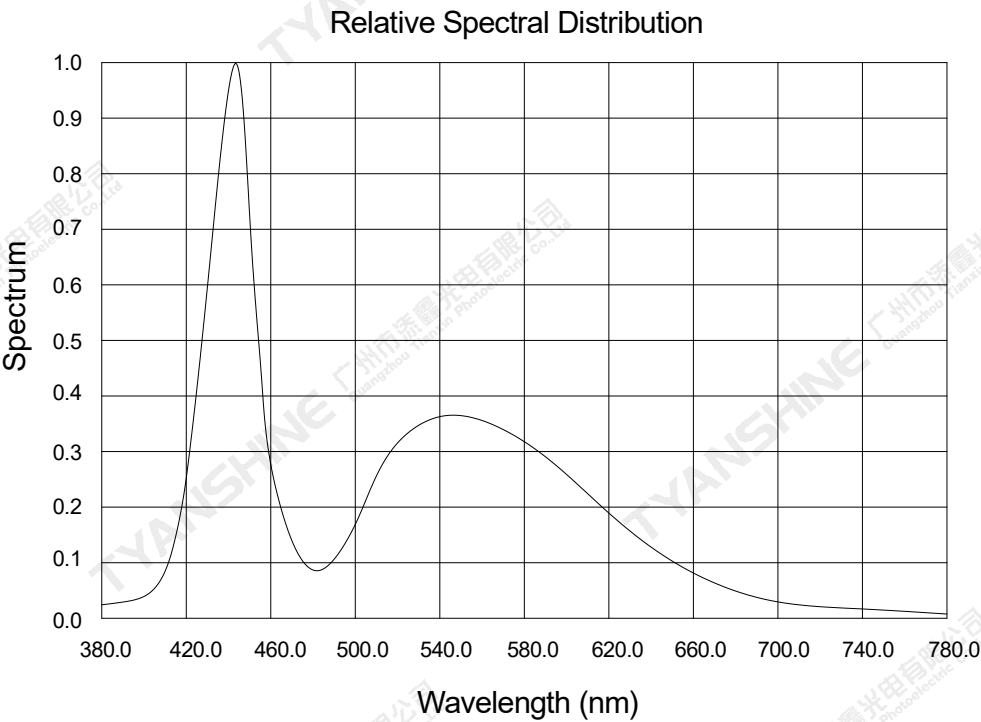
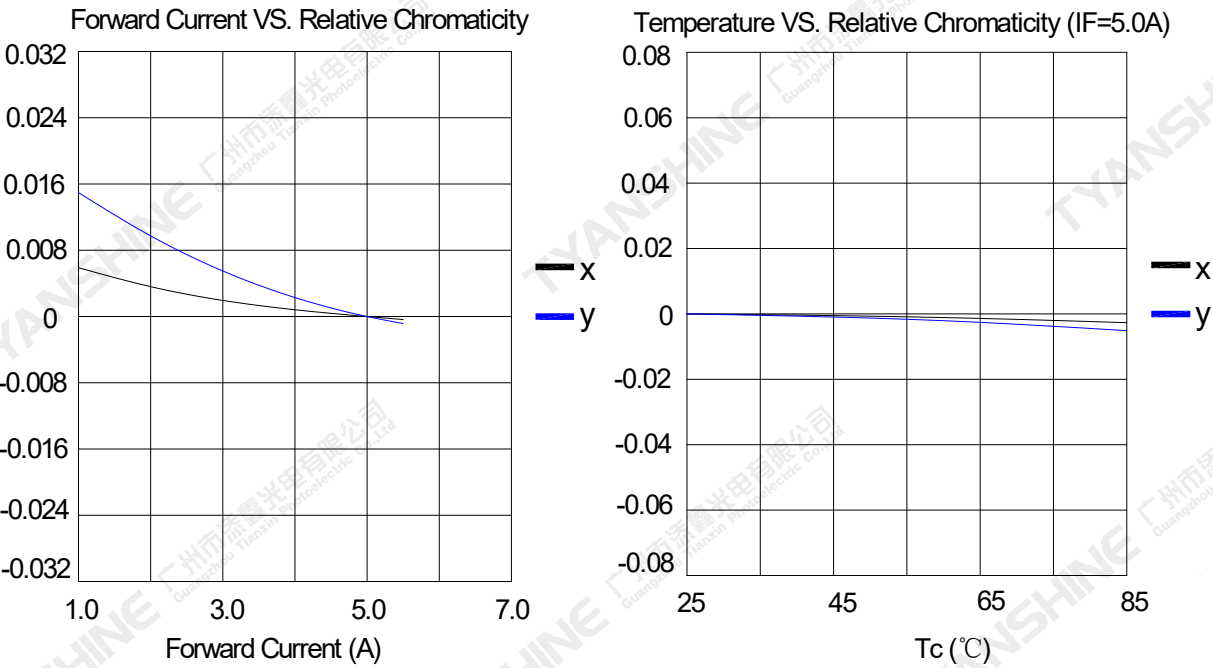
White light Color coordinate filing ($T_c=25^{\circ}\text{C}$, $I_F=5.0\text{A}$)

Grade	TC	P1		P2		P3		P4	
		X1	Y1	X2	Y2	X3	Y3	X4	Y4
A111	9000-10000K	0.2902	0.2867	0.2875	0.2932	0.2813	0.2851	0.2845	0.2789
A110	10000-11500K	0.2853	0.2775	0.2820	0.2838	0.2753	0.2741	0.2790	0.2685

Typical Electrical/Optical Characteristics Curves

(25°C Ambient Temperature Unless Otherwise Noted)



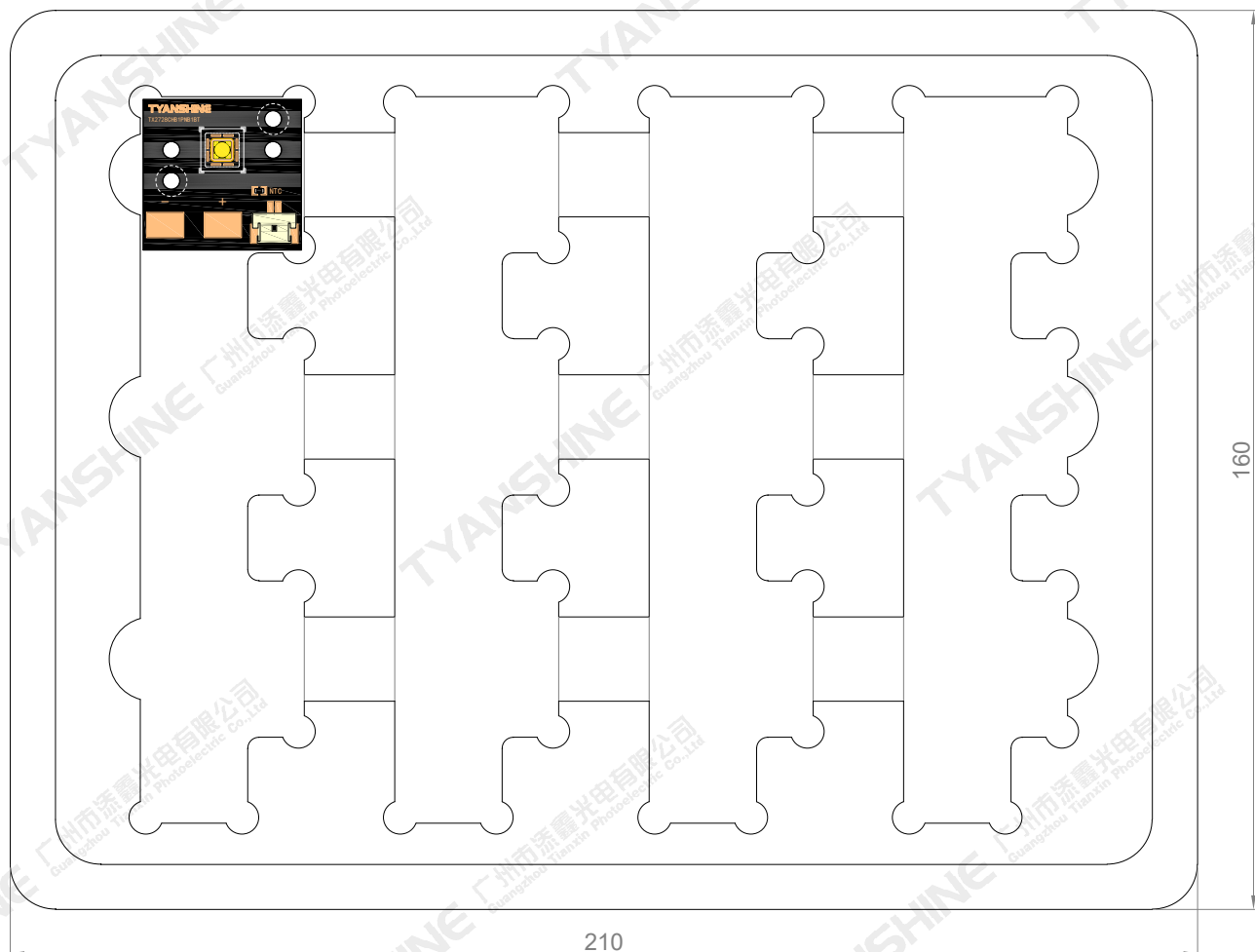


Notes:

- 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:12 PCS



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, Irresponsible of the Company.

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