

TX-2728W120FC120-NUVENG-A01

PRODUCT SPECIFICATION

Features:

- ◆Excellent transiting heat from LED chip operating under 6A.
- ◆High luminous output.
- ◆No UV.
- ◆Encapsulated materials are environmentally certified and meet environmental requirements.

Chip Material:

- ◆ThinGaN

Emitting Color:

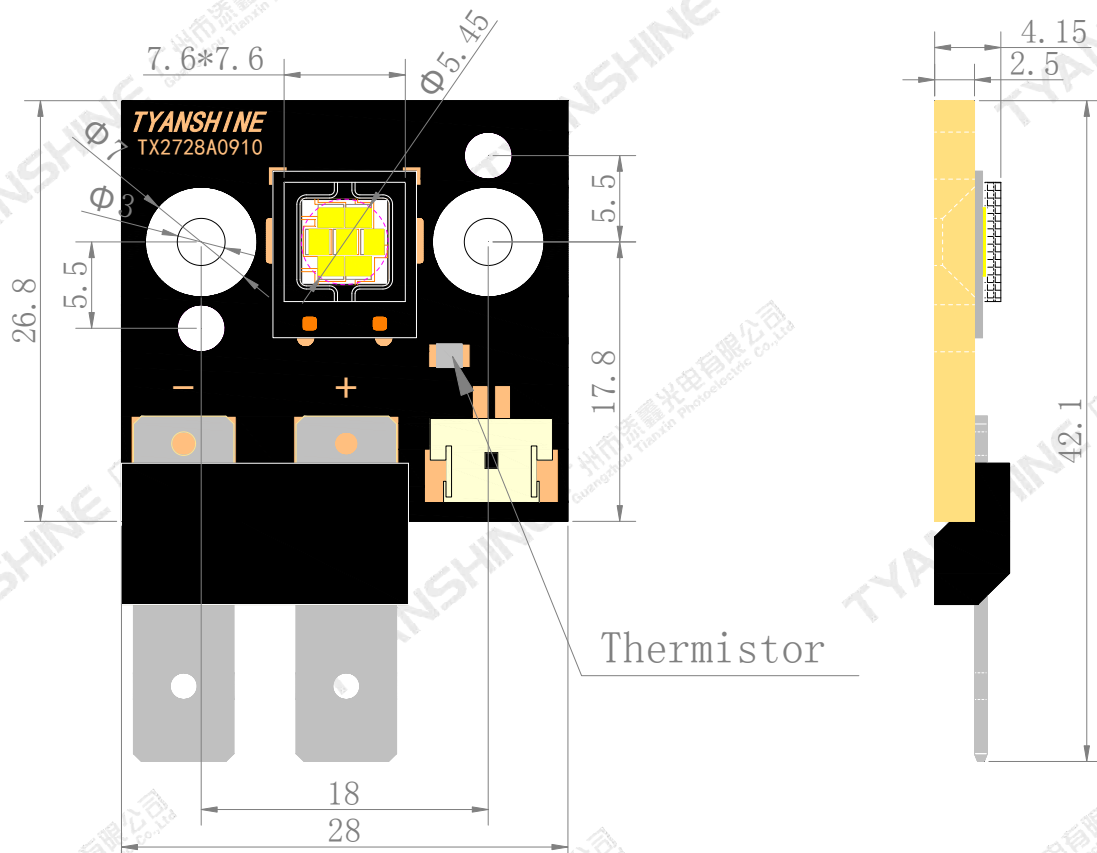
- ◆White

Applications:

- ◆Auxiliary lighting
- ◆Architectural lighting

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Package Dimensions:



Notes:

- 1.All dimensions are in millimeters .
- 2.Tolerances unless otherwise mentioned are $\pm 0.1\text{mm}$.

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Absolute Maximum Ratings (Tc=25℃)

Parameter	Symbol	Ratings	Unit
Forward Current	IF	6000	mA
Reverse Voltage	VR	Not designed for reverse operation	V
Power Dissipation	PD	135	W
Junction Temperature	Tj	150	℃
Electrostatic Discharge Threshold (ESD)	ESD	2000	V
Storage Temperature	Tstg	-20~+70	℃
Operation Temperature	Topr	-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	Min.	Typ.	Max.	Units
Luminous Flux	Φ_v	If=5.4A , Ta=27°C	7030	8500	9300	lm
		If=5.4A , Ta=85°C	5830	7050	7700	
Correlated Colour Temperature	CCT	If=5.4A , Ta=27°C	6000	7500	9000	K
		If=5.4A , Ta=85°C	6450	8000	9600	
Forward Voltage	V_f	If=5.4A , Ta=27°C	21	22.5	24	V
		If=5.4A , Ta=85°C	21.5	23	24.5	
Viewing Angle at 50 % IV	$2\theta_{1/2}$	—	—	120	—	Deg
Spectral Line Half-Width	$\Delta\lambda$	If=5.4A , Ta=27°C	20	25	30	nm
		If=5.4A , Ta=85°C	25	30	35	
Reverse Current	I_R	—	—	—	—	μA
Thermal Resistance Junction to Case	$R\theta_{J-C}$	—	—	0.55	—	K/W
Temperature Coefficient of Voltage	$V\Delta F/T$	If=5.4A	—	8.3	—	mV/°C
Thermistor(NTC)	Rt25	—	—	10	—	K Ω

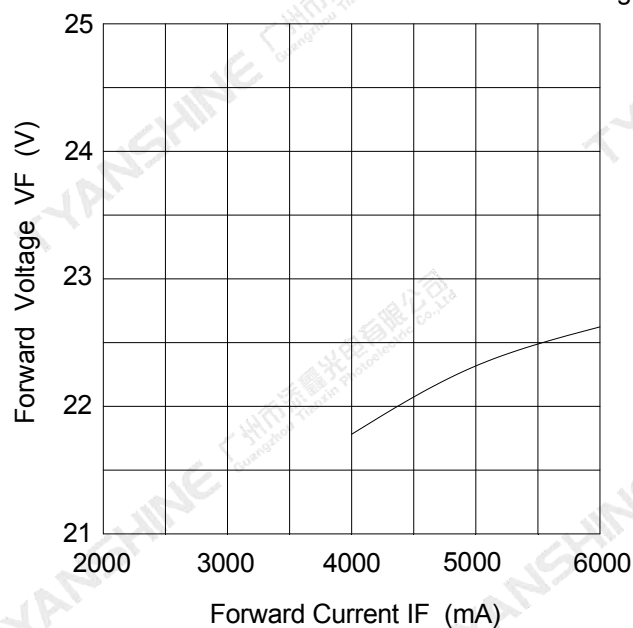
Notes:

- 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.

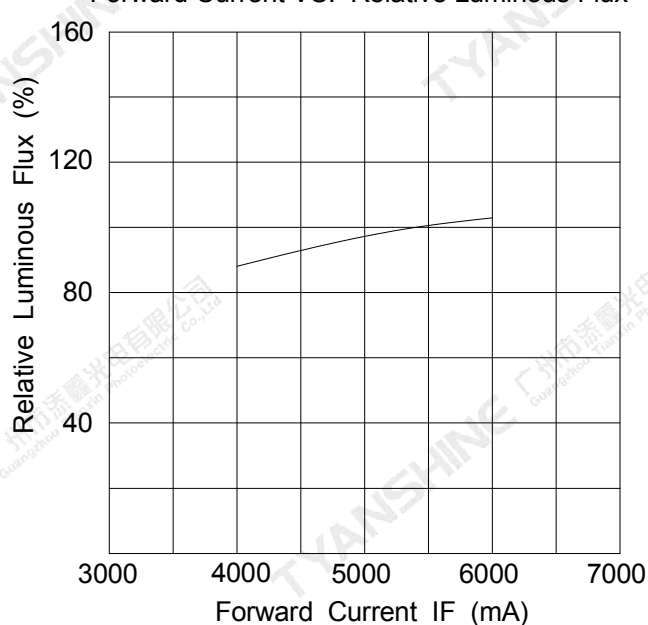
Typical Electrical/Optical Characteristics Curves

(25°C Ambient Temperature Unless Otherwise Noted)

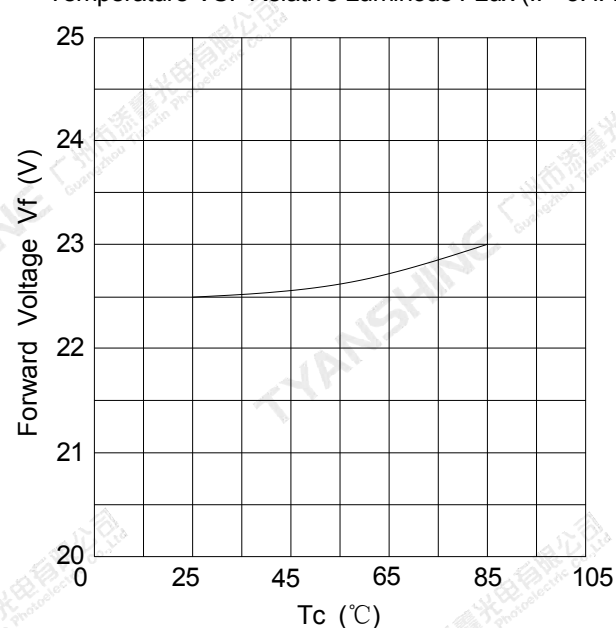
Forward Current VS. Relative Forward Voltage



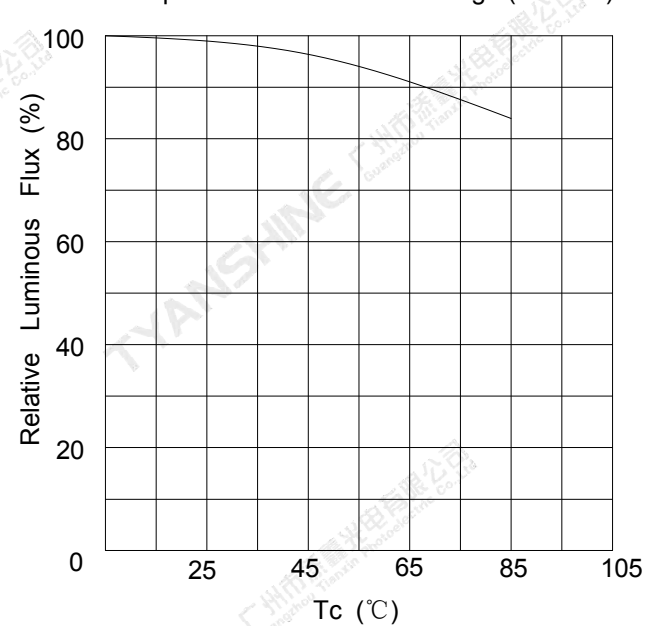
Forward Current VS. Relative Luminous Flux

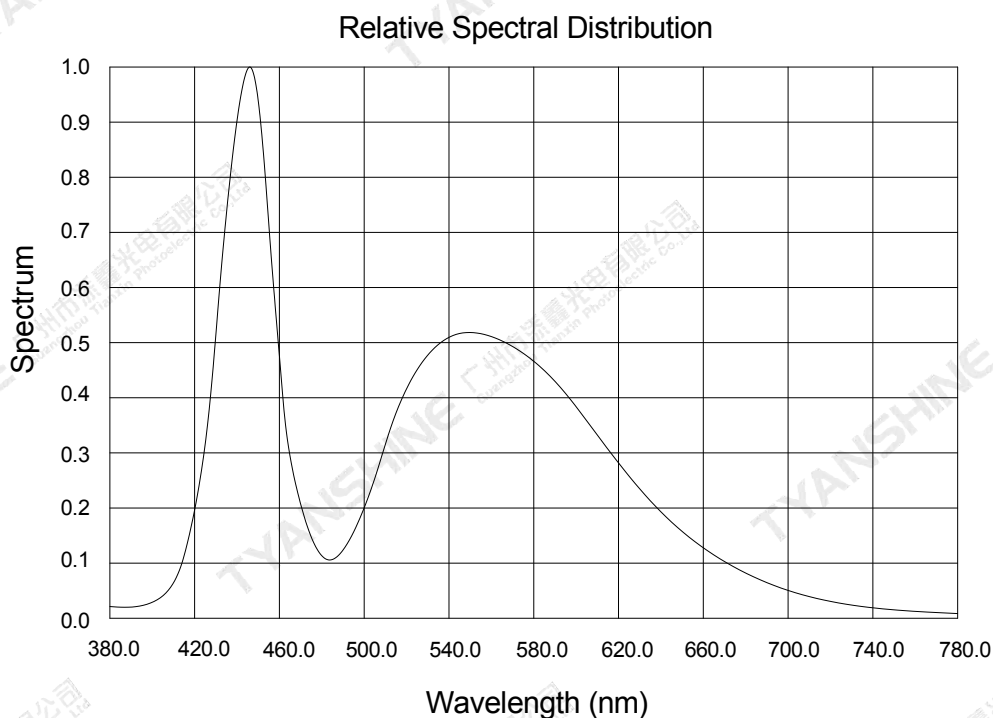
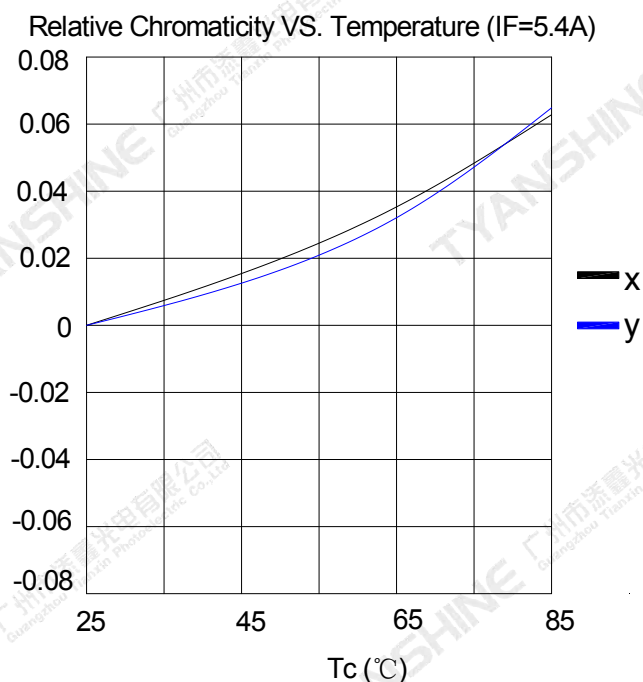
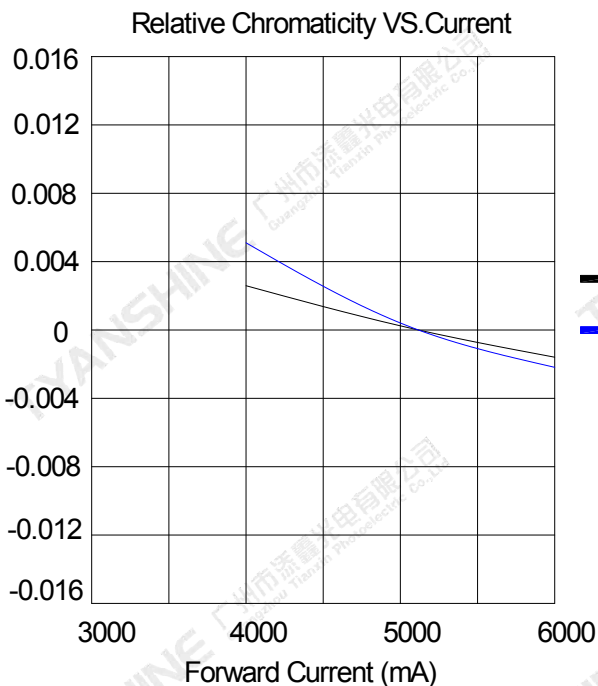


Temperature VS. Relative Luminous FLux (IF=5.4A)



Temperature VS. Forward Voltage (IF=5.4A)



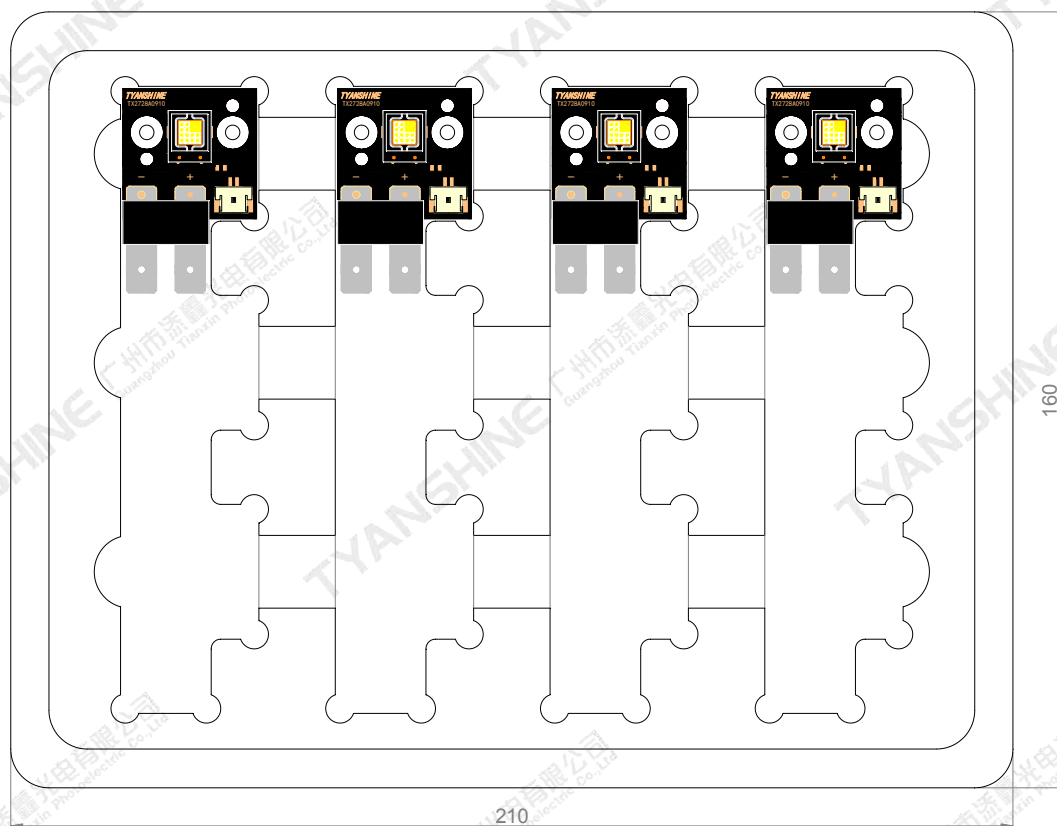


Notes:

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.