

TX-2728W80FC120-NUVENG-A01

PRODUCT SPECIFICATION

Features:

- ◆ Excellent transiting heat from LED chip operating under 6.0A.
- ◆ High luminous output.
- ◆ No UV.
- ◆ Encapsulated materials are environmentally certified and meet environmental requirements.

Chip Material:

- ◆ ThinGaN

Emitting Color:

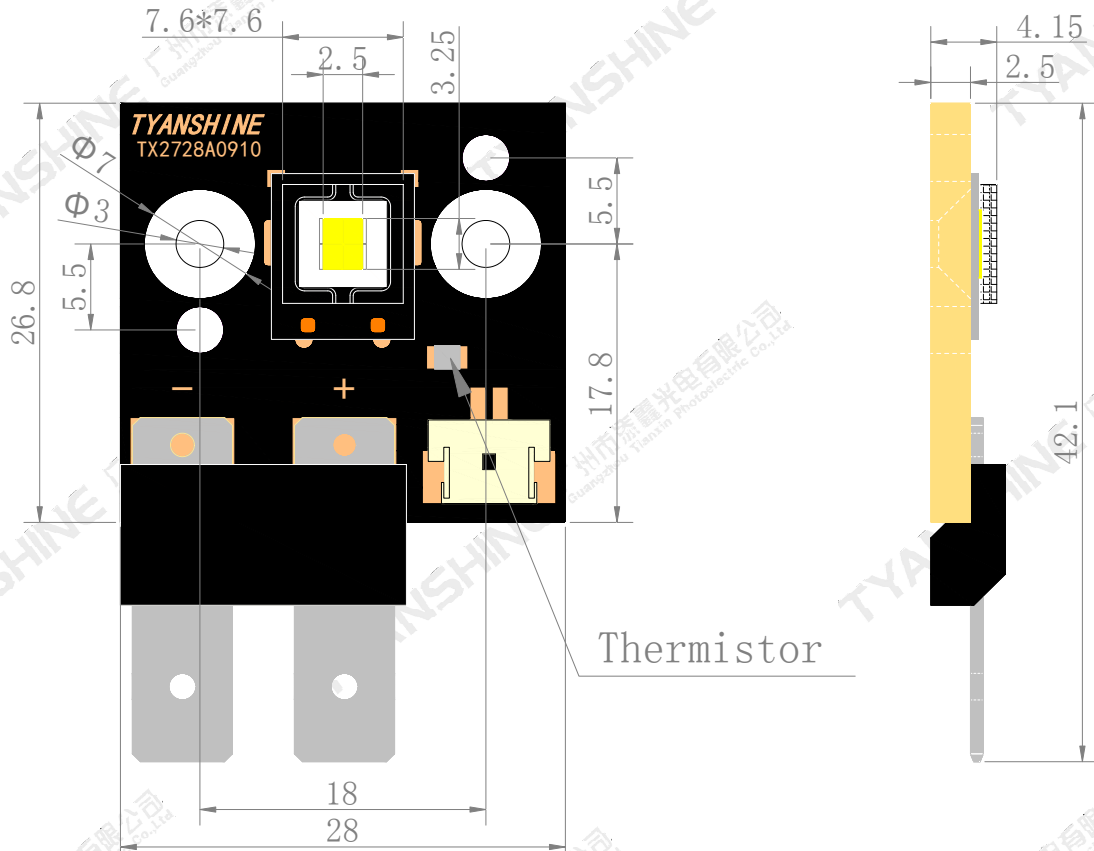
- ◆ White (W)

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°C)

Parameter	Symbol	Ratings	Unit
Forward Current	IF	6.0	A
Reverse Voltage	VR	Not designed for reverse operation	V
Power Dissipation	PD	89	W
Junction Temperature	Tj	150	°C
Electrostatic Discharge Threshold (ESD)	ESD	2000	V
Storage Temperature	Tstg	-20~+70	°C
Operation Temperature	Topr	-30~+85	

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 IF=6.0A

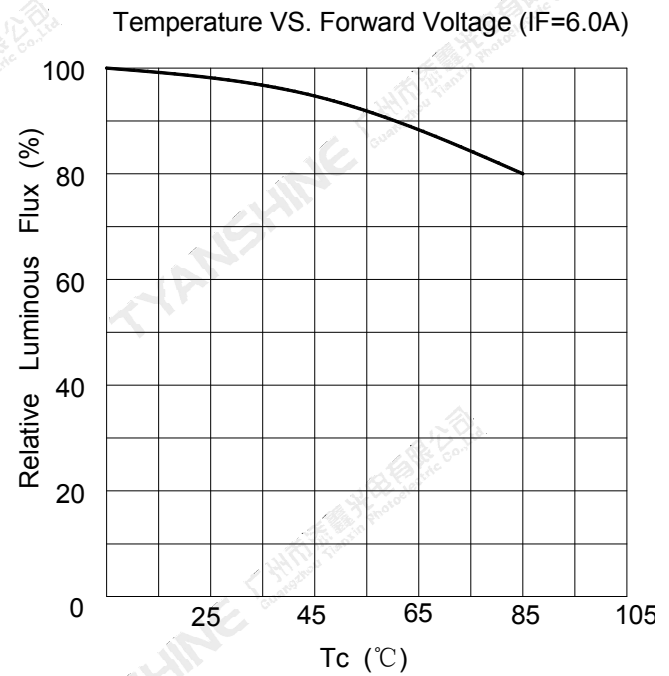
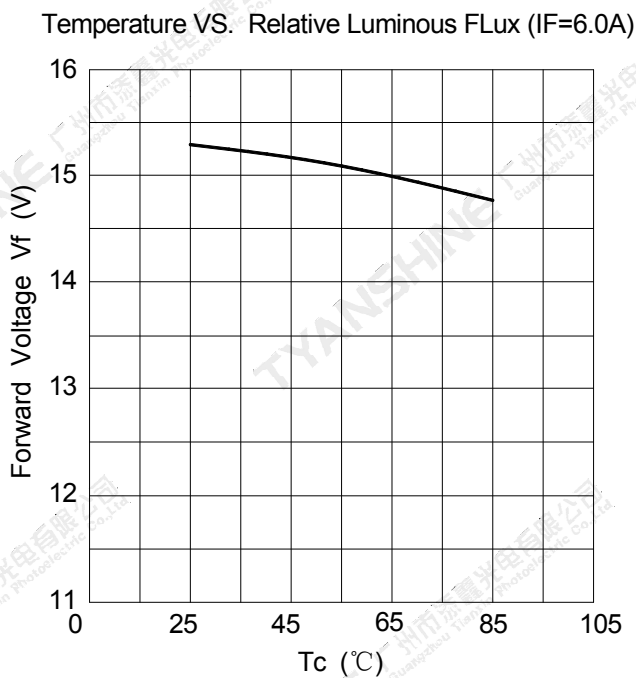
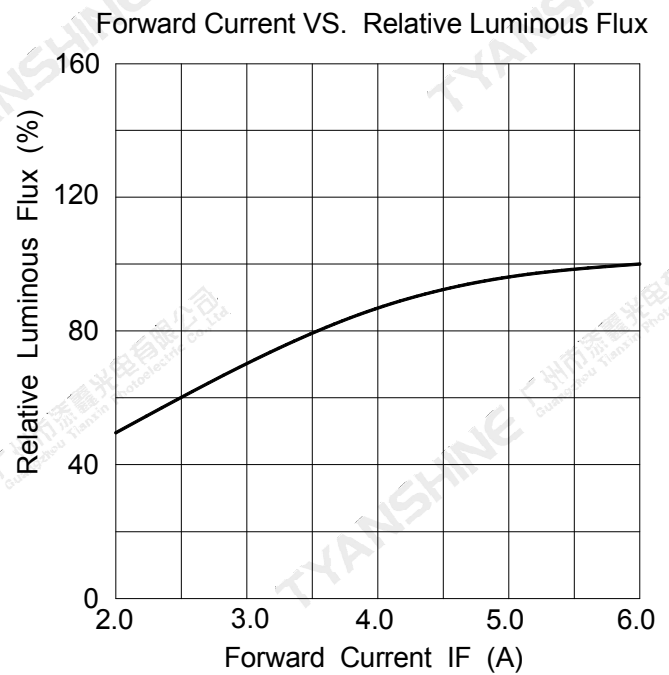
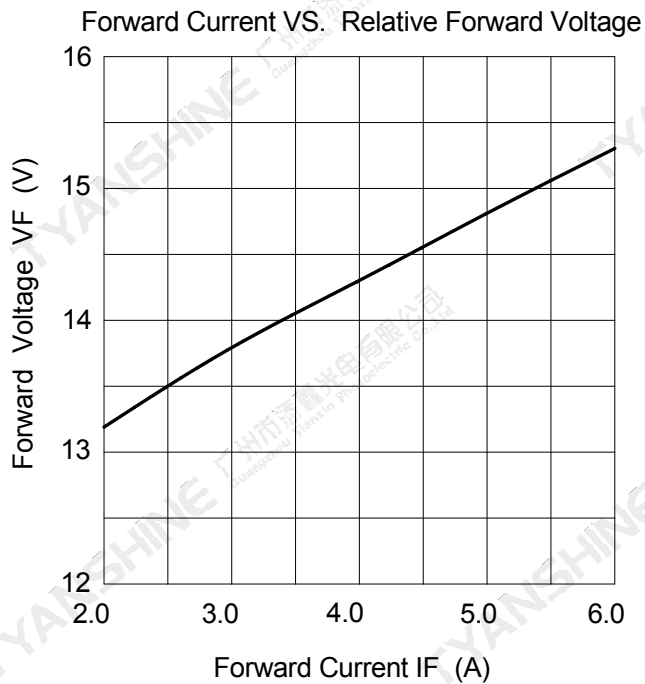
Parameter	Symbol	Condition	Min.	Typ.	Max.	Units
Luminous Flux	Φ_v	Tc=25℃	4020	—	5320	lm
		Tc=85℃	3330	—	4420	
Correlated Colour Temperature	CCT	Tc=25℃	7000	8000	9500	K
		Tc=85℃	6440	7360	8740	
Forward Voltage	V_f	Tc=25℃	12	13.5	15	V
		Tc=85℃	12.5	13	14.5	
Viewing Angle at 50% IV	$2\theta_{1/2}$	—	—	120	—	Deg
Spectral Line Half-Width	$\Delta\lambda$	Tc=25℃	20	25	30	nm
		Tc=85℃	25	30	35	
Reverse Current	I_R	—	—	—	—	μA
Thermal Resistance Junction to Case	$R_{\theta J-C}$	—	—	0.9	—	K/W
Temperature Coefficient of Voltage	$V\Delta F/T$	—	—	-8.3	—	mV/℃
Thermistor(NTC)	Rt25	—	—	10	—	K Ω

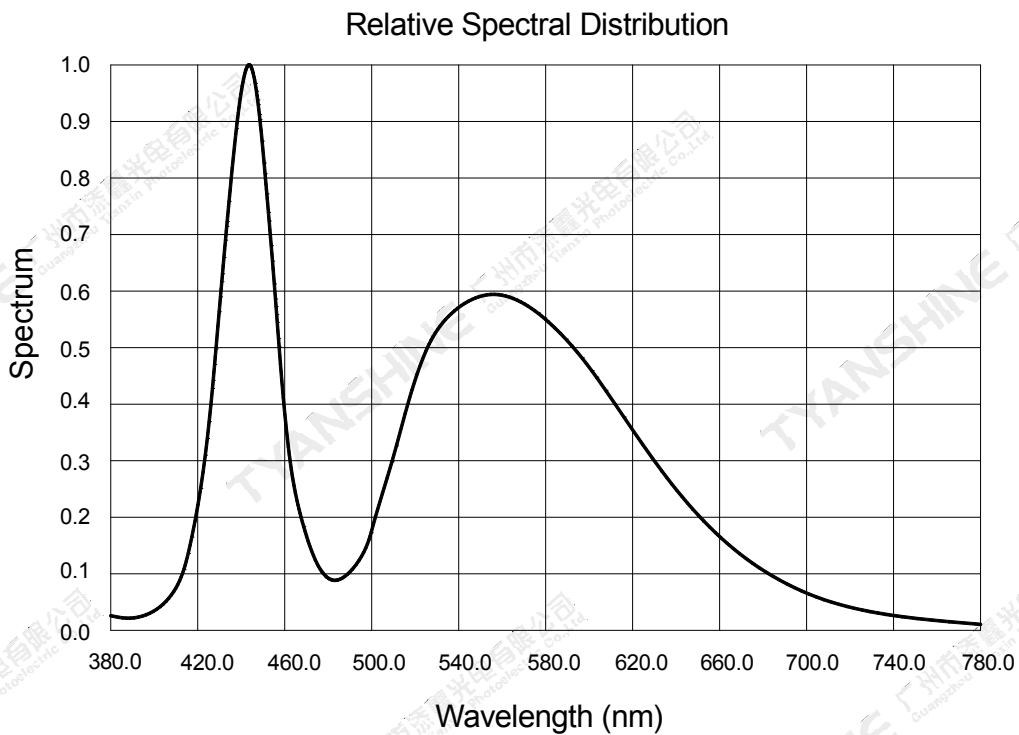
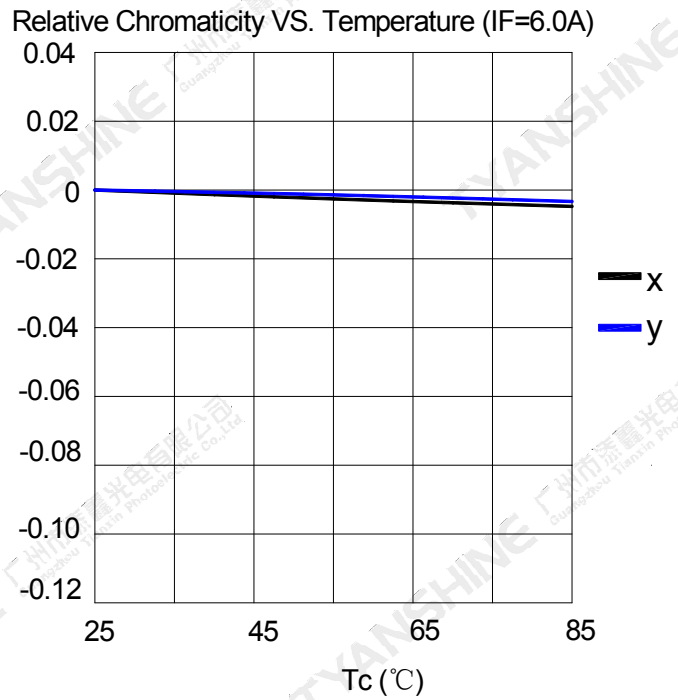
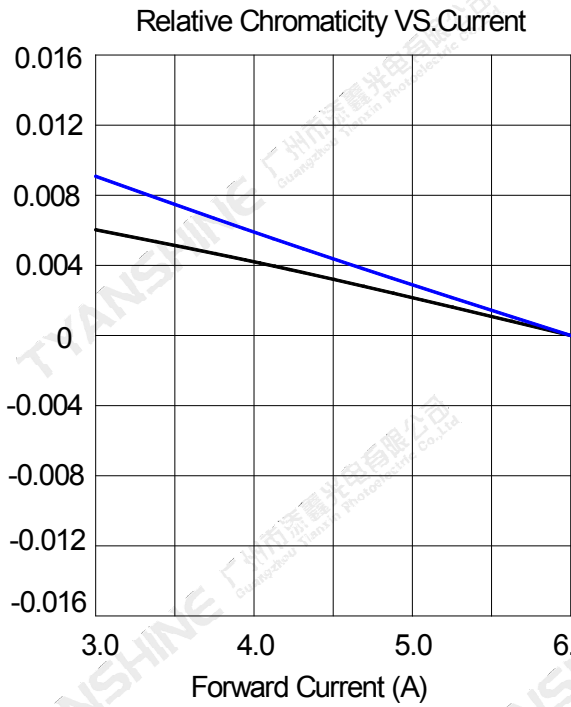
Notes:

- 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)



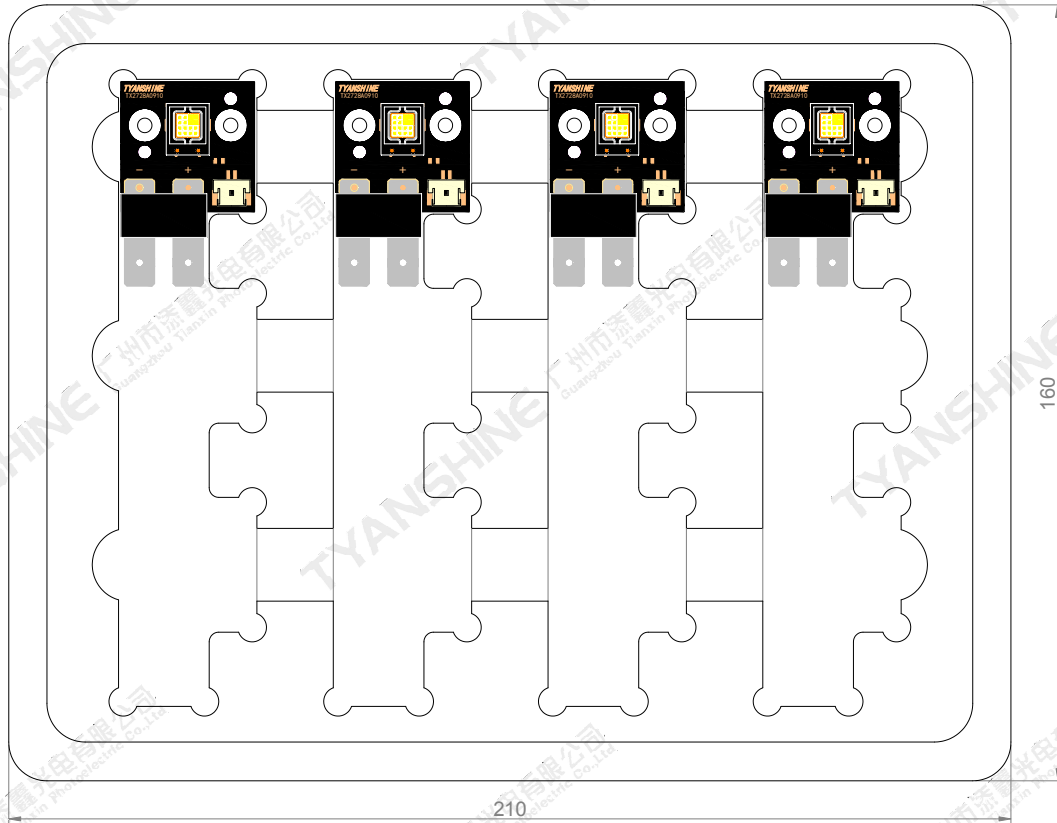


Notes:

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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