TX-2728W80FC120-NUVENG-B01H95

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:

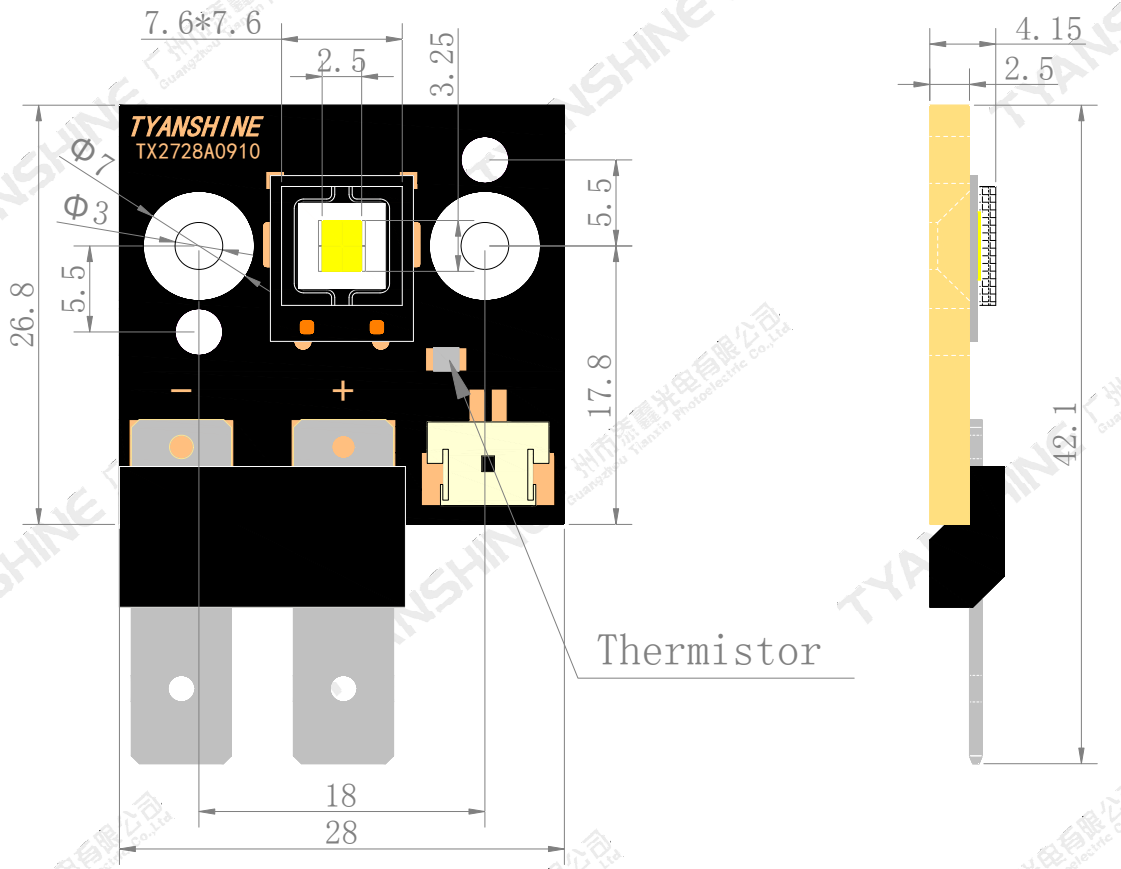
◆White（W）

Applications:

◆Auxiliary lighting

◆Architectural lighting

Package Dimensions:



Notes:

1.All dimensions are in millimeters .

2.Tolerances unless otherwise mentioned are ±0.1mm .

Absolute Maximum Ratings (Tc=25℃)

Parameter	Symbol	Ratings	Unit
Forward Current	IF	6.0	A
Reverse Voltage	V_R	Not designed for reverse operation	V
Power Dissipation	P_D	85	W
Junction Temperature	Tj	150	℃
Electrostatic Discharge Threshold (ESD)	ESD	2000	V
Storage Temperature	T_{stg}	-20~+70	℃
Operation Temperature	T_{opr}	-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℃	2300	—	3500	lm
		Tc=85℃	1800	—	2770	
Correlated Colour Temperature	CCT	Tc=25℃	5300	—	6000	K
		Tc=85℃	5850	—	6650	
Forward Voltage	V_f	Tc=25℃	12	14	16	V
		Tc=85℃	11.5	13.5	15	
Viewing Angle at 50％IV	$2\theta_{1/2}$	—	—	120	—	Deg
Spectral Line Half-Width	△λ	Tc=25℃	25	30	35	nm
		Tc=85℃	30	35	40	
Color Rendering Index	Ra	Tc=25℃	95	96	—	—
		Tc=85℃	95	96	—	—
Reverse Current	I_R	—	—	—	—	μA
Thermal Resistance Junction to Case	$R\theta_{J-C}$	—	—	0.9	—	K/W
Temperature Coefficient of Voltage	V△F/T	—	—	-10.2	—	mV/℃
Thermistor(NTC)	Rt25	—	—	10	—	KΩ

Notes:

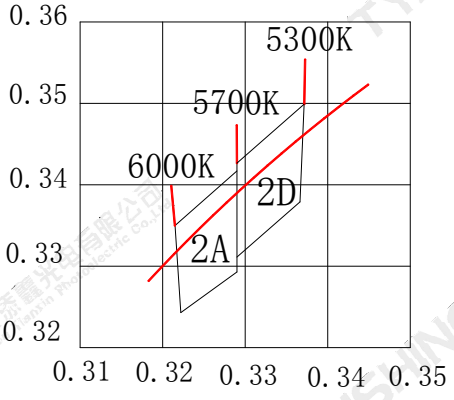
1.Luminous intensity is measured with a light sensor and filter combination that approximates the CIE eye-response curve.

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.

White light Color coordinate filing (IF=6.0A,Tc=25℃)

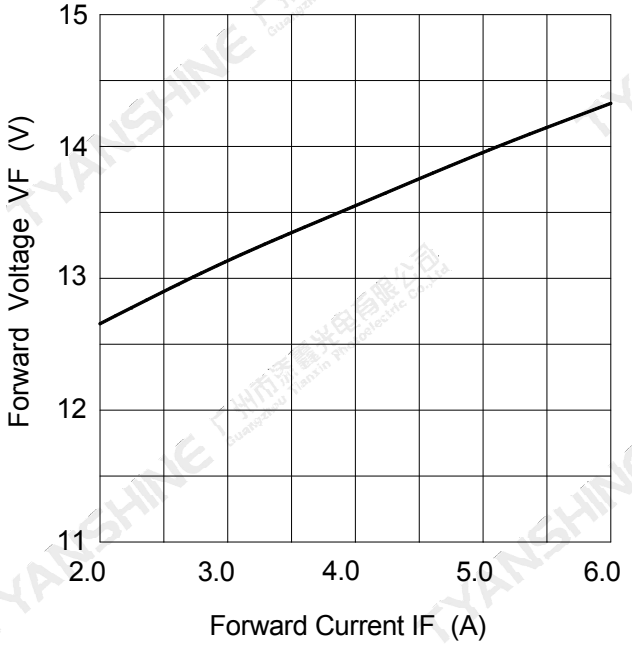


Region	CCT Range	X1	Y1	X2	Y2	X3	Y3	X4	Y4
2D	5300-5700K	0.3366	0.3379	0.3371	0.3499	0.329	0.3427	0.329	0.3311
2A	5700-6000K	0.329	0.3293	0.329	0.3417	0.3215	0.335	0.3222	0.3243

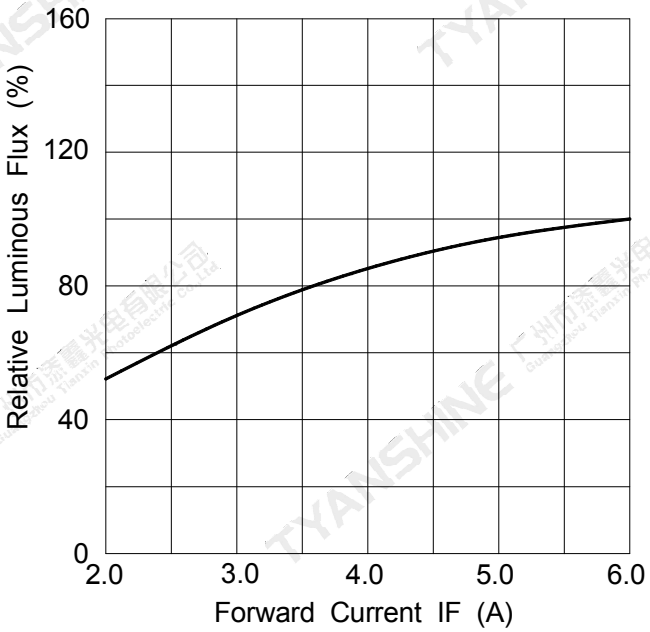
Typical Electrical/Optical Characteristics Curves

(25℃ Ambient Temperature Unless Otherwise Noted)

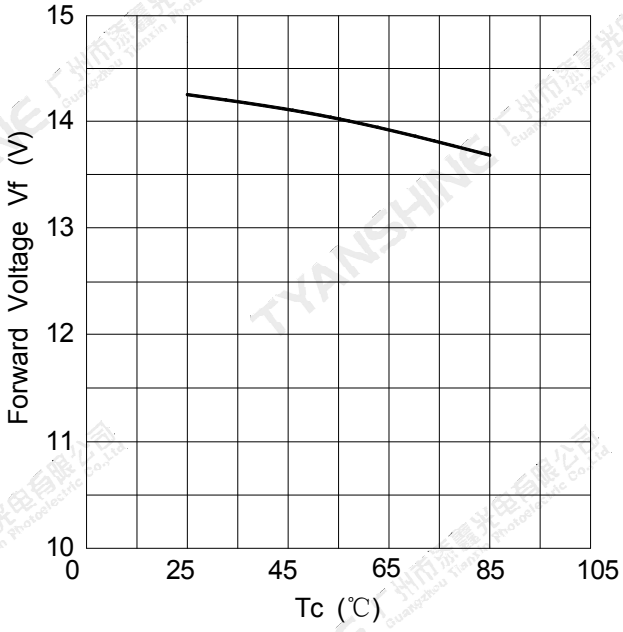
Forward Current VS. Relative Forward Voltage



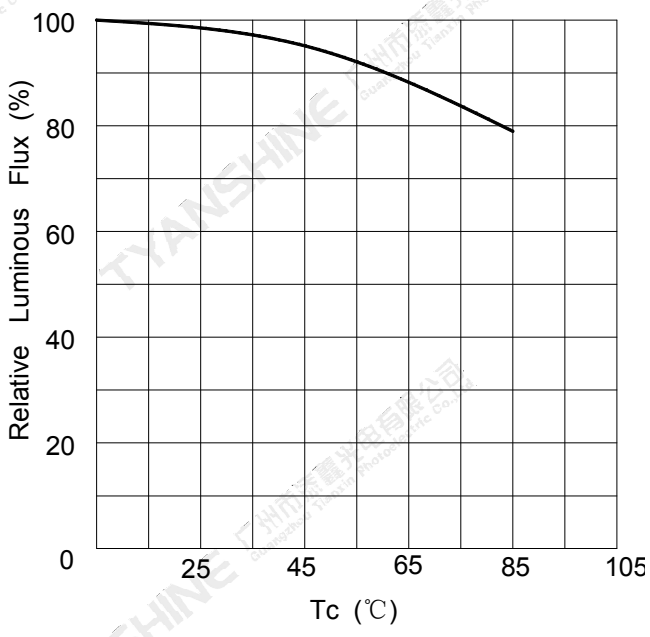
Forward Current VS. Relative Luminous Flux

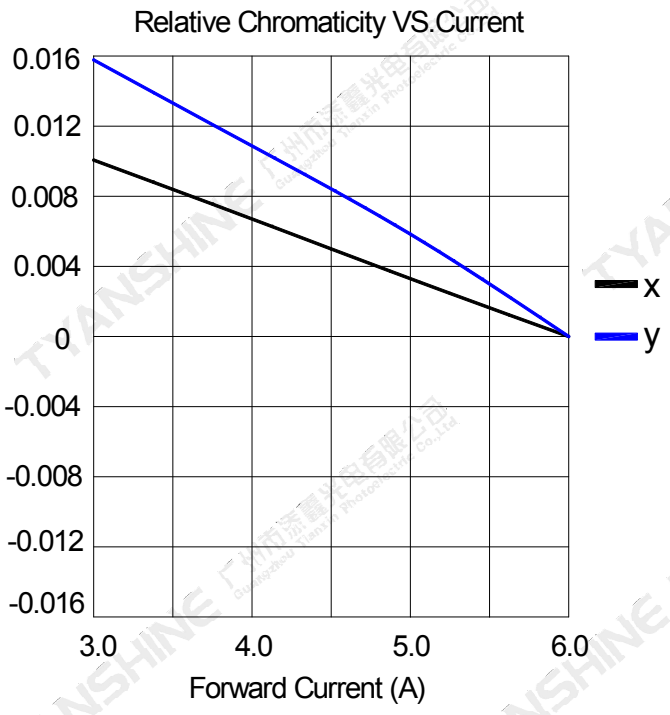


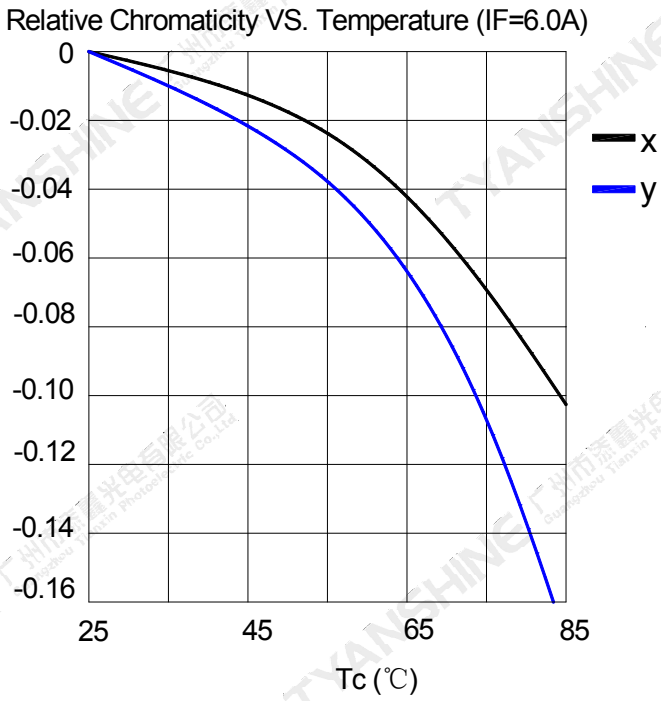
Temperature VS. Relative Luminous FLux (IF=6.0A)

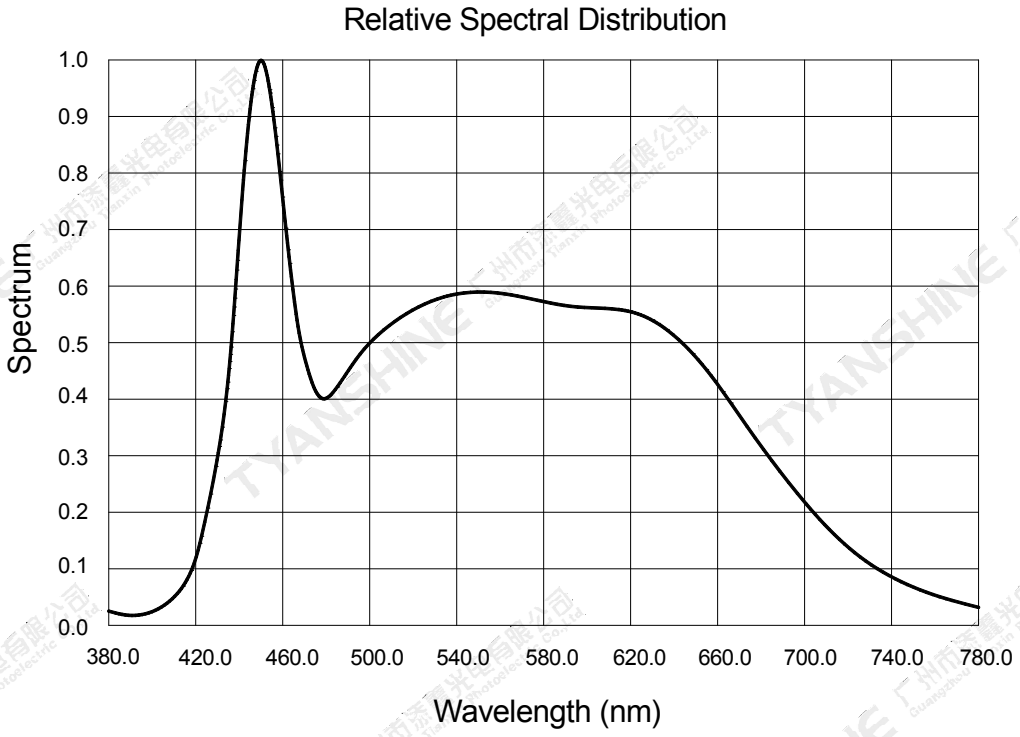


Temperature VS. Forward Voltage (IF=6.0A)







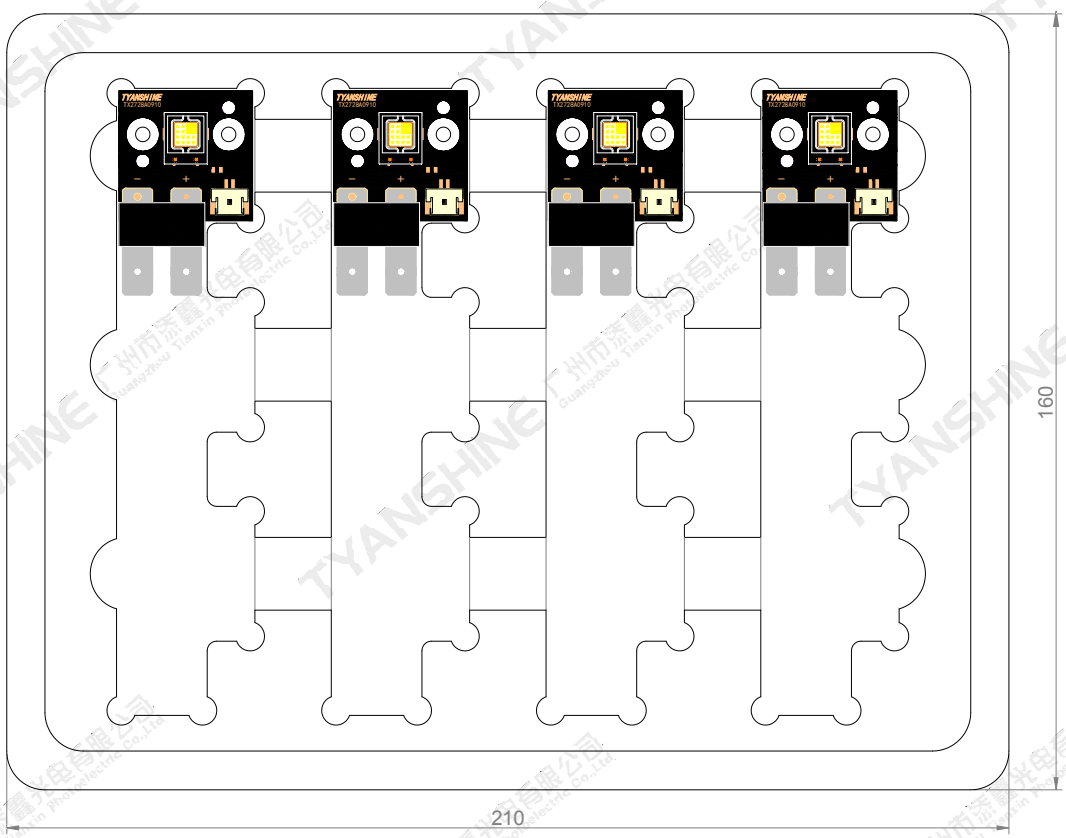


Notes:

1. 2θ 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 ± 5°.

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.