

TX-2728W100FC120-CUHCNG-A01

PRODUCT SPECIFICATION

Features:

- ◆ Excellent transiting heat from LED chip operating under 4.0A.
- ◆ High luminous output.
- ◆ No UV.
- ◆ Encapsulated materials are environmentally certified and meet environmental requirements.

Chip Material:

- ◆ GaN

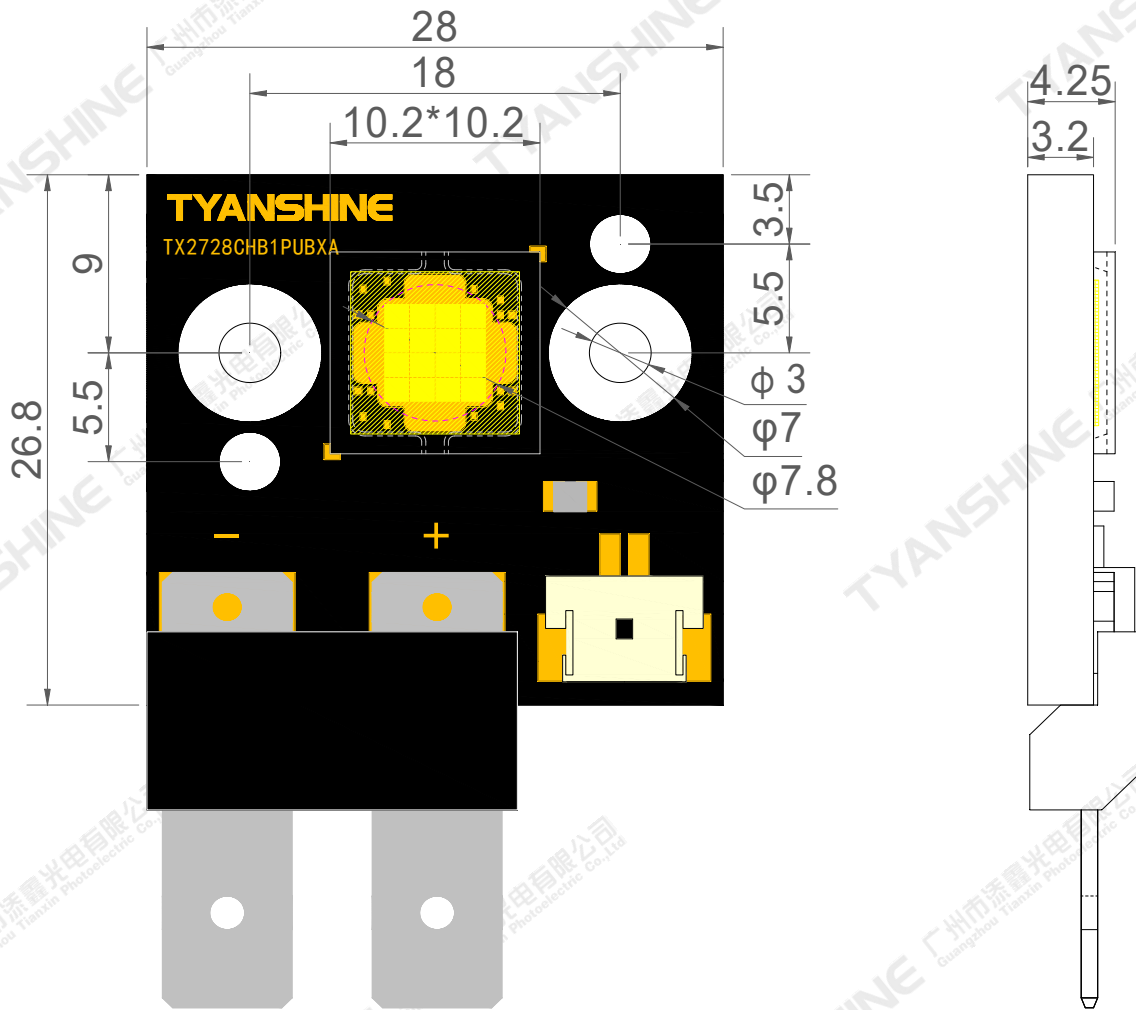
Emitting Color:

- ◆ white

Applications:

- ◆ Auxiliary lighting
- ◆ Architectural lighting

Package Dimensions:



Notes:

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

Part No.	TX-2728W100FC120-CUHCNG-A01	Spec No.	WKF-FB0010	Page	2 of 8
----------	-----------------------------	----------	------------	------	--------

Absolute Maximum Ratings (Tc=25°C)

Parameter	Symbol	Ratings	Unit
Forward Current	IF	4.0	A
Reverse Voltage	VR	Not designed for reverse operation	V
Power Dissipation	PD	106	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:

- Specifications are subject to change without notice.
- Under the stipulated Characteristics parameters above, the life span of the LED is more than 50,000hours.
- 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.

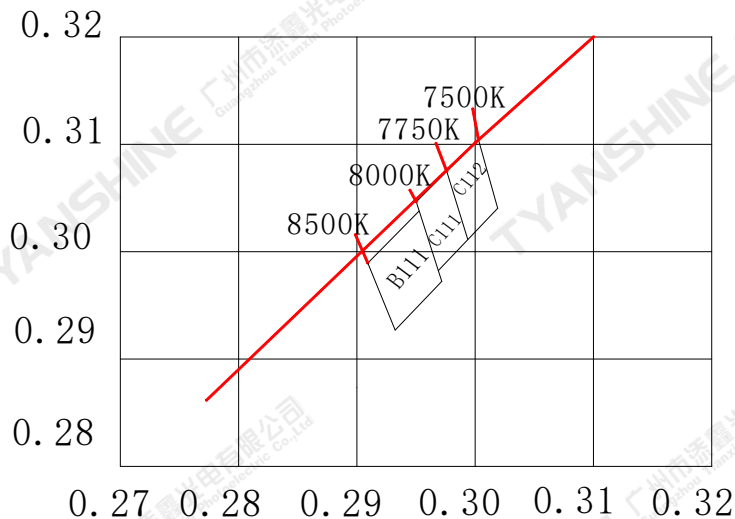
Electrical Optical Characteristics (Tc=25°C)

Parameter	Symbol	Condition	Min.	Typ.	Max.	Units
Luminous Flux	ϕ_v	If=3.9A	8090	—	9300	lm
Correlated Colour Temperature	CCT		7500	—	8500	K
Forward Voltage	V_f		26	—	29	V
Viewing Angle at 50% IV	$2\theta_{1/2}$		—	120	—	Deg
Reverse Current	I_R		—	—	—	μA
Thermal Resistance Junction to Case	$R\theta_{J-C}$	—	—	0.45	—	K/W
Temperature Coefficient of Voltage	$V\Delta F/T$	If=3.9A	—	-6.8	—	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.

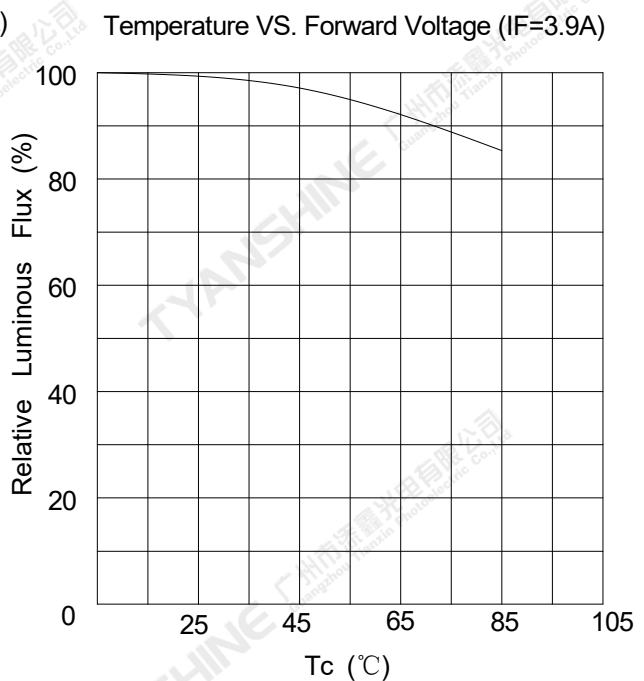
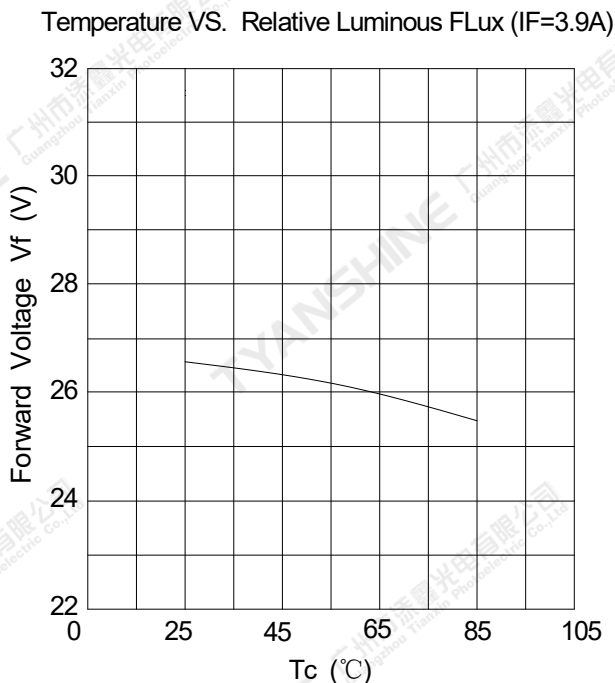
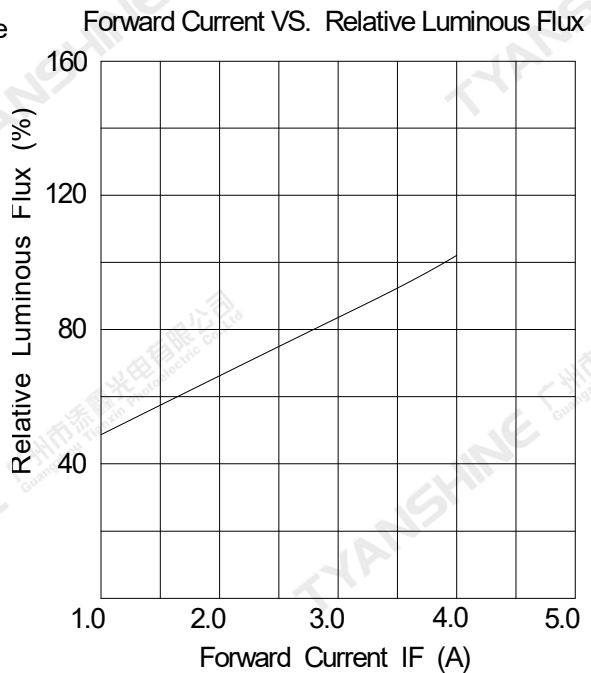
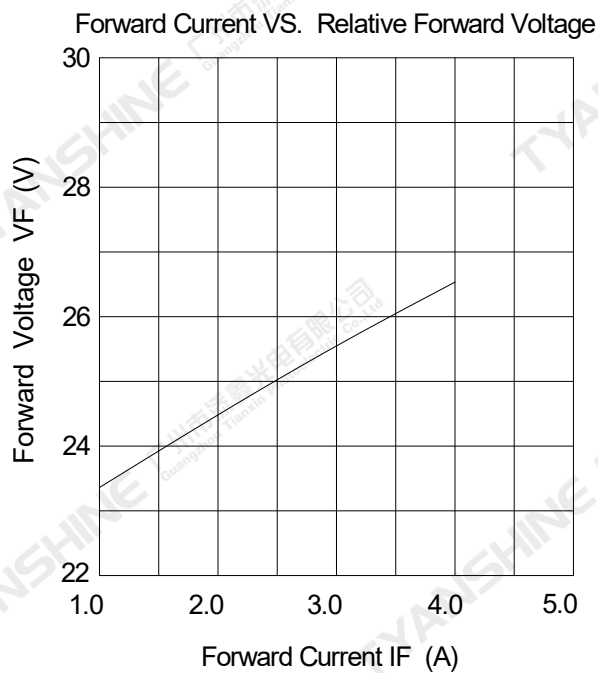
White light Color coordinate filing (Tc=25°C ,IF=3.9A)

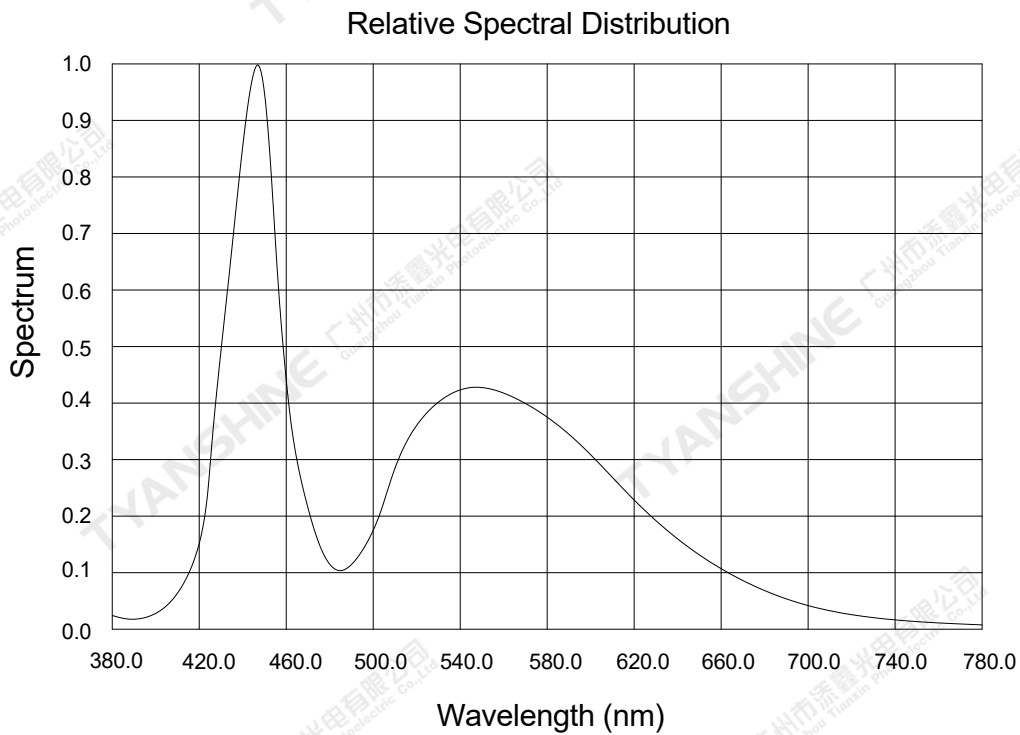
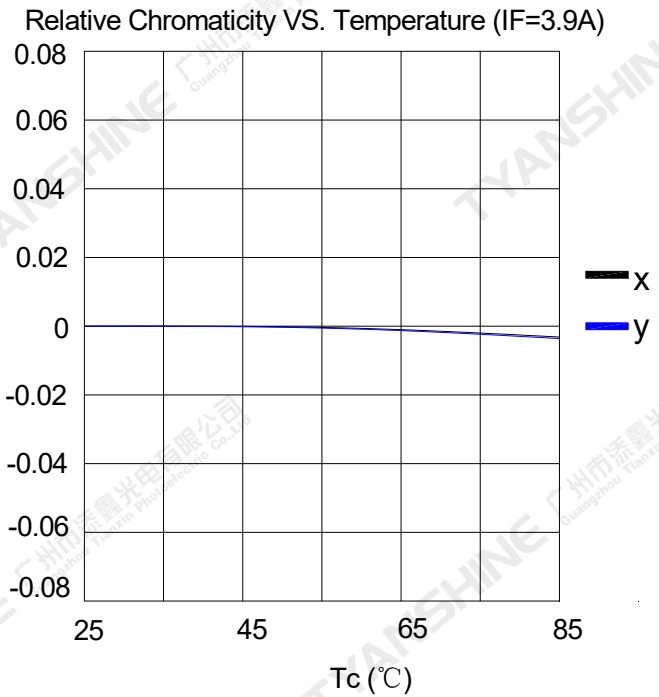
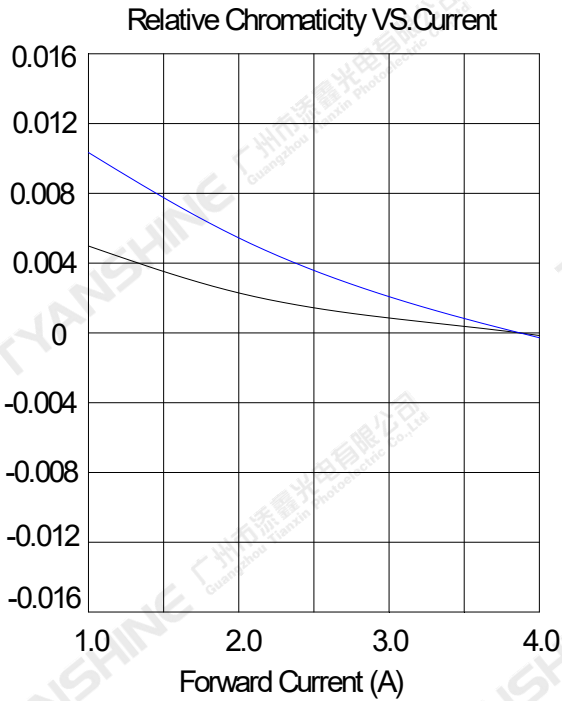


Grade	TC	P1		P2		P3		P4	
		X1	Y1	X2	Y2	X3	Y3	X4	Y4
C112	7500-7750K	0.3019	0.304	0.3003	0.3104	0.2976	0.3075	0.2994	0.3011
C111	7750-8000K	0.2994	0.3011	0.2976	0.3075	0.295	0.3046	0.2969	0.2982
B111	8000-8500K	0.2972	0.2972	0.2953	0.3038	0.2909	0.2989	0.2932	0.2927

Typical Electrical/Optical Characteristics Curves

(25°C Ambient Temperature Unless Otherwise Noted)



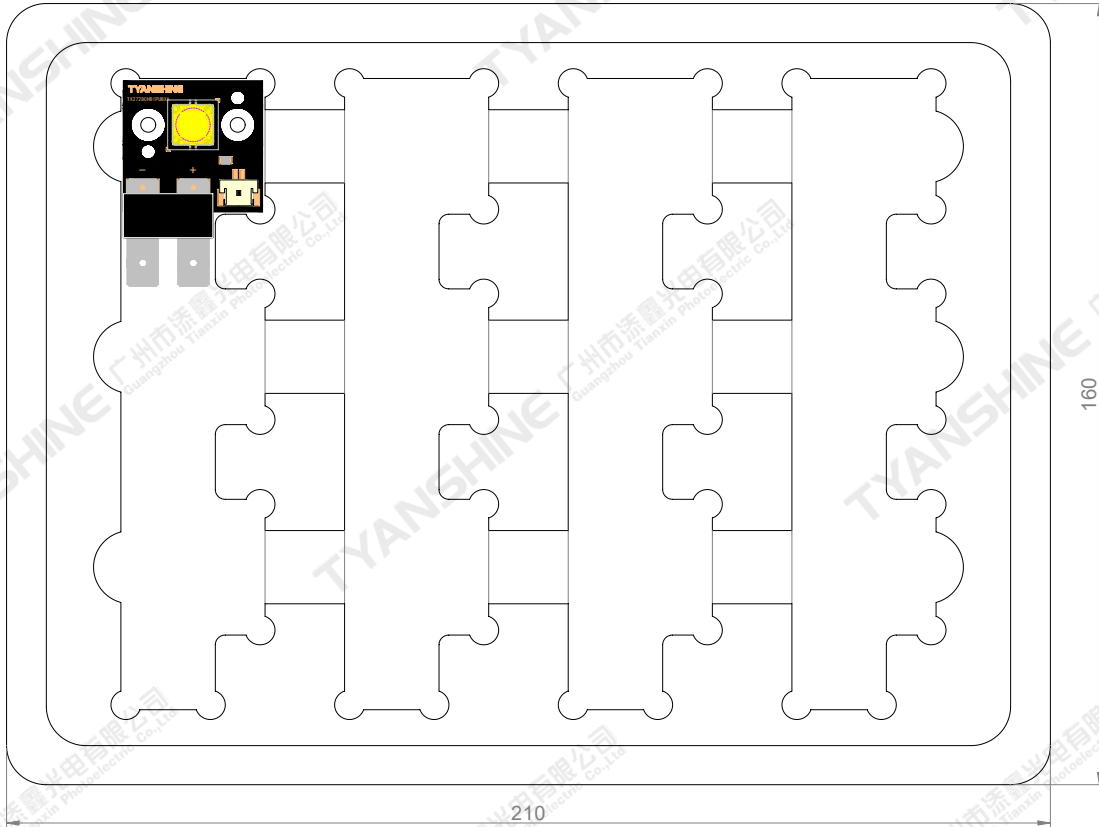


Notes:

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.

Part No.	TX-2728W100FC120-CUHCNG-A01	Spec No.	WKF-FB0010	Page	7 of 8
----------	-----------------------------	----------	------------	------	--------

产品规格书变更履历表

版本	变更内容描述		生效日期
	变更前内容	变更后内容	
1.0	初次发行	-	