

# TX-2728W150FC120-NUFENW-A01

## PRODUCT SPECIFICATION

### Features:

- ◆ Excellent transiting heat from LED chip operating under 7.8A.
- ◆ High luminous output.
- ◆ No UV.
- ◆ Encapsulated materials are environmentally certified and meet environmental requirements.

### Chip Material:

- ◆ GaN

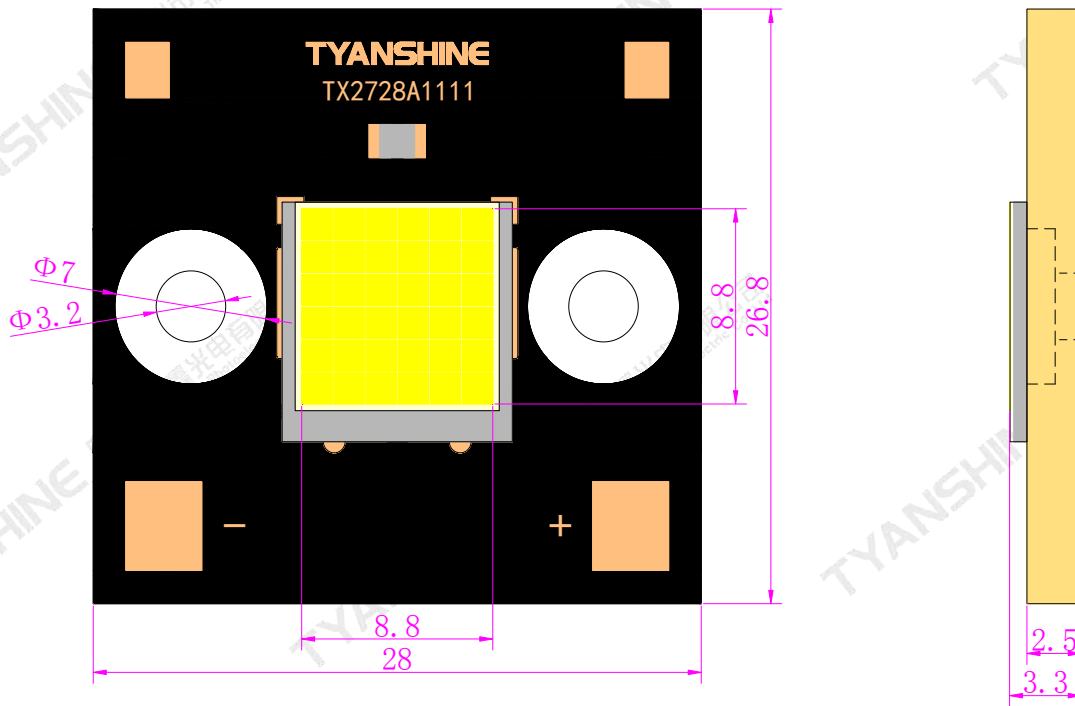
### Emitting Color:

- ◆ 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-2728W150FC120-NUFENW-A01	Spec No.	WKF-BE0869	Page	2 of 8
----------	-----------------------------	----------	------------	------	--------

**Absolute Maximum Ratings (Tc=25°C)**

Parameter	Symbol	Ratings	Unit
Forward Current	IF	9000	mA
Reverse Voltage	VR	Not designed for reverse operation	V
Power Dissipation	PD	165	W
Junction Temperature	Tj	150	°C
Electrostatic Discharge Threshold (ESD)	ESD	2000	V
Storage Temperature	Tstg	-20~+70	°C
Operation Temperature	Topr	-40~+125	

**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)**

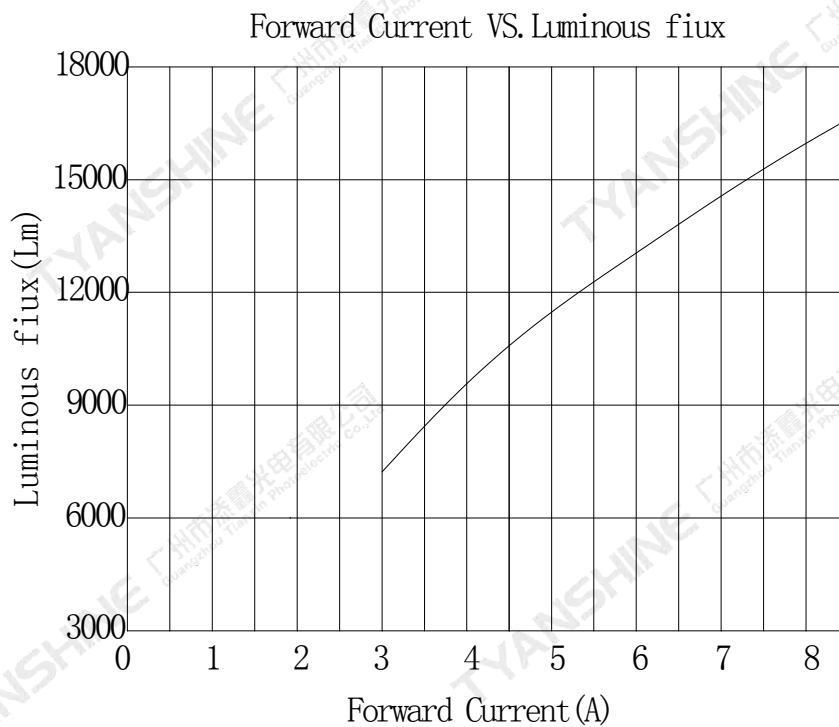
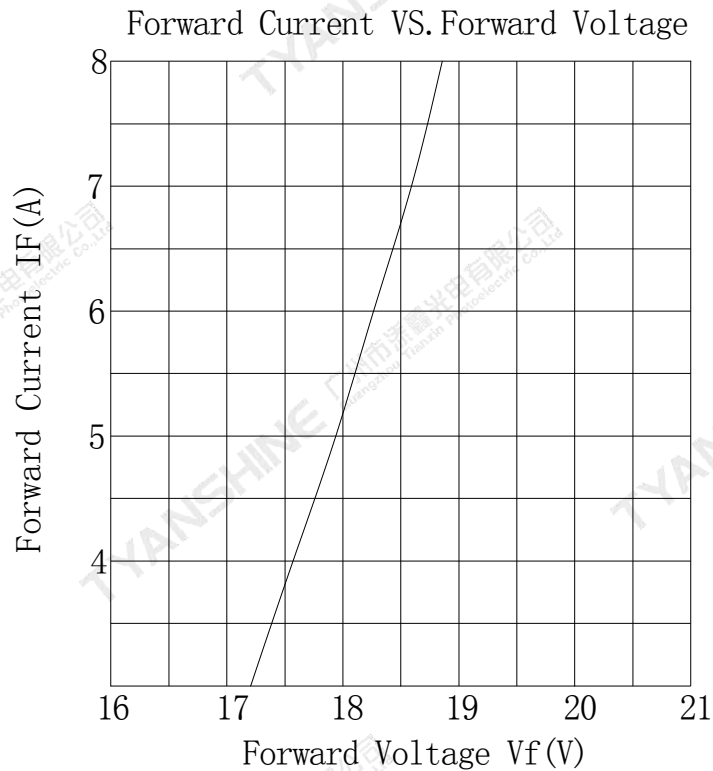
Parameter	Symbol	Condition	Min.	Typ.	Max.	Units
Luminous Flux	$\phi_v$	If=7.8A	15000	—	16500	lm
Correlated Colour Temperature	CCT		8500	—	12000	K
Forward Voltage	$V_f$		17	19	21	V
Viewing Angle at 50% IV	$2\theta_{1/2}$		—	120	—	Deg
Reverse Current	$I_R$		—	—	—	$\mu A$
Thermal Resistance Junction to Case	$R\theta_{J-C}$	—	—	0.1	—	K/W
Temperature Coefficient of Voltage	$V\Delta F/T$	If=7.8A	—	-10.9	—	mV/°C
Thermistor(NTC)	Rt25	—	—	10	—	K $\Omega$

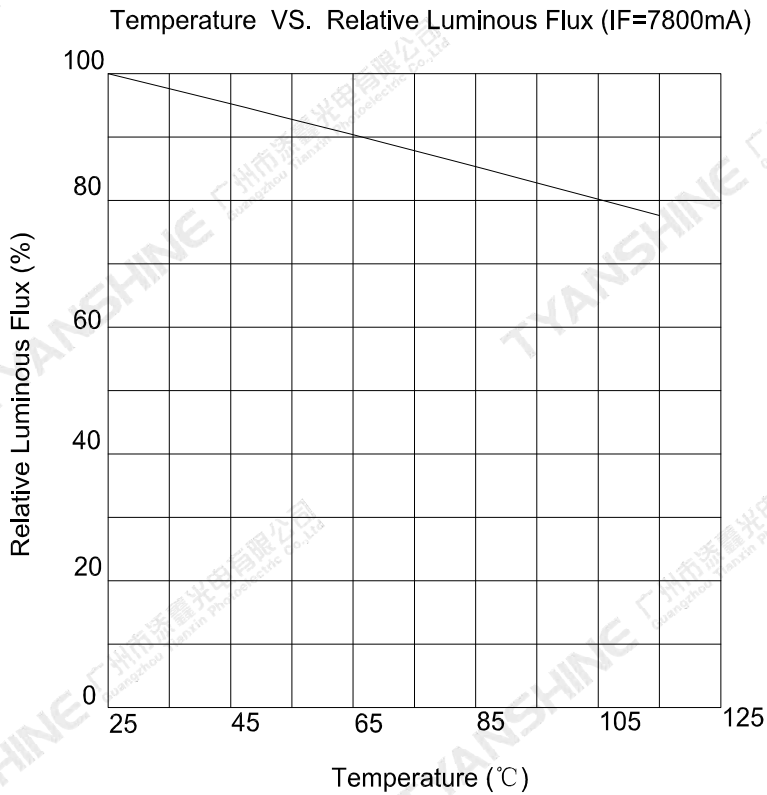
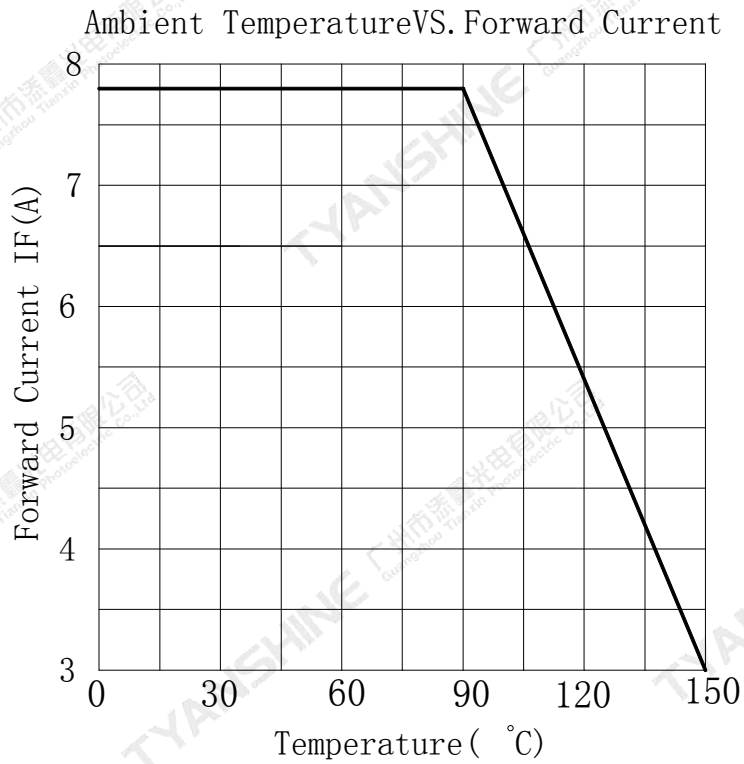
**Notes:**

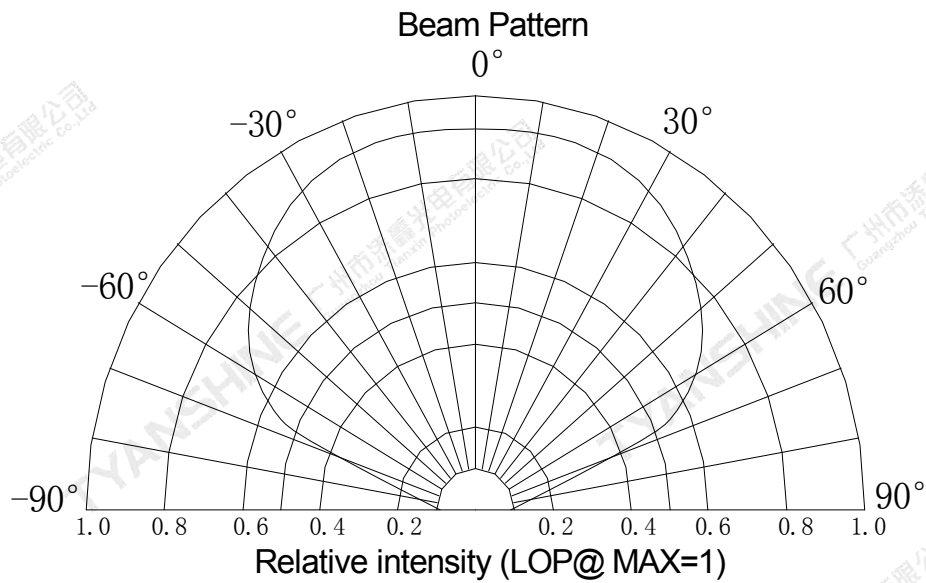
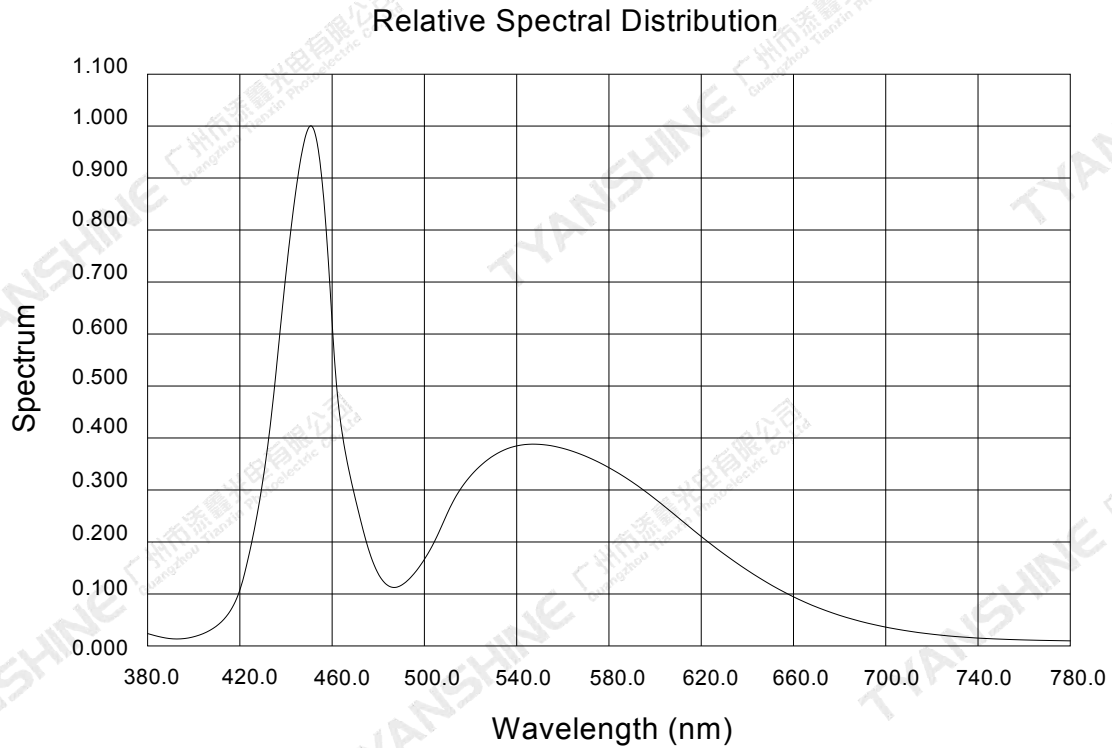
- 1.Luminous intensity is measured with a light sensor and filter combination that approximates the CIE eye-response curve.
2. $\theta_{1/2}$  is the off-axis angle at which the luminous intensity is half the axial luminous intensity.
- 3.Luminous flux measurement tolerance:±15%.
- 4.Forward voltage measurement tolerance:±0.15V.

## Typical Electrical/Optical Characteristics Curves

(25°C Ambient Temperature Unless Otherwise Noted)





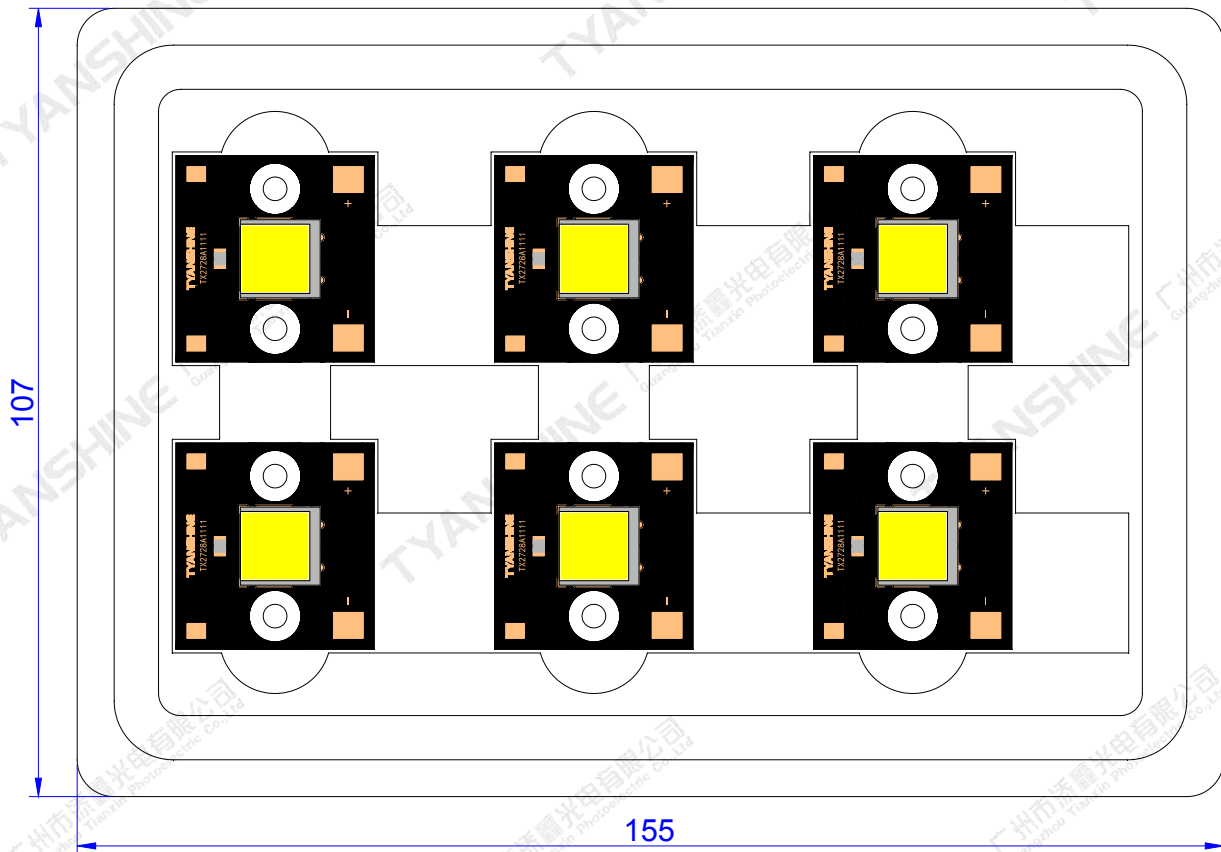


**Notes:**

1.  $\theta$  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:6 PCS**



**Notes:**

1. All dimensions are in millimeters.
2. Tolerances are  $\pm 2.0$  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-2728W150FC120-NUFENW-A01	Spec No.	WKF-BE0869	Page	8 of 8
----------	-----------------------------	----------	------------	------	--------