

# TX-5266W300FC120-NUFENG-A01C

## PRODUCT SPECIFICATION

**Features:**

- ◆Excellent transiting heat from LED chip operating under11A.
- ◆High luminous output.
- ◆No UV.
- ◆Encapsulated materials are environmentally certified and meet environmental requirements.

**Chip Material:**

- ◆GaN

**Emitting Color:**

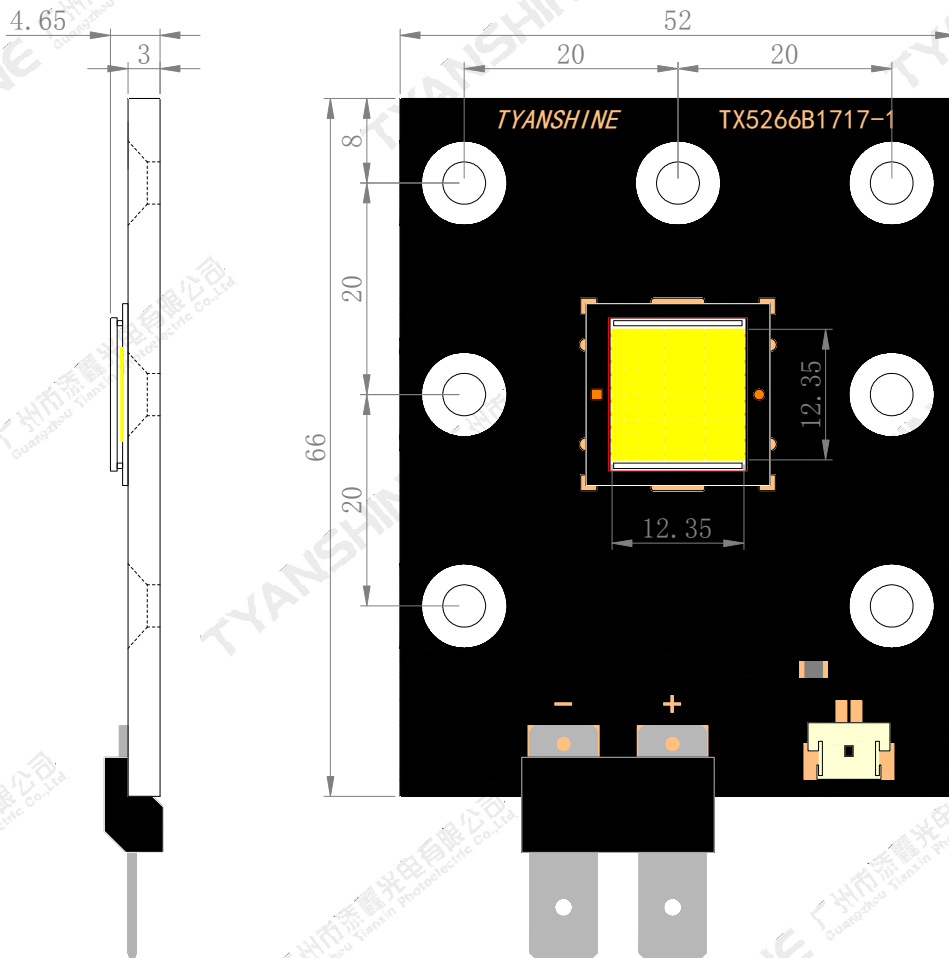
- ◆White

**Applications:**

- ◆Auxiliary lighting
- ◆Architectural lighting

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**Package Dimensions:**



**Notes:**

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

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

Parameter	Symbol	Ratings	Unit
Forward Current	IF	11	A
Reverse Voltage	VR	Not designed for reverse operation	V
Power Dissipation	PD	366	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=10A**

Parameter	Symbol	Condition	Min.	Typ.	Max.	Units
Luminous Flux	$\Phi_v$	Ta=25°C	24750	—	32730	lm
		Ta=85°C	20980	—	27760	
Correlated Colour Temperature	CCT	Ta=25°C	6000	8000	9500	K
		Ta=85°C	6540	8720	10350	
Forward Voltage	$V_f$	Ta=25°C	30	32	34	V
		Ta=85°C	29	31	33	
Viewing Angle at 50% IV	$2\theta_{1/2}$	—	—	120	—	Deg
Spectral Line Half-Width	$\Delta\lambda$	Ta=25°C	20	25	30	nm
		Ta=85°C	25	30	35	
Reverse Current	$I_R$	—	—	—	—	$\mu A$
Color Rendering Index	Ra	—	—	—	—	—
Thermal Resistance Junction to Case	$R\theta_{J-C}$	—	—	0.1	—	K/W
Temperature Coefficient of Voltage	$V\Delta F/T$	—	—	-16.7	—	mV/°C
Thermistor(NTC)	Rt25	—	—	10	—	K $\Omega$

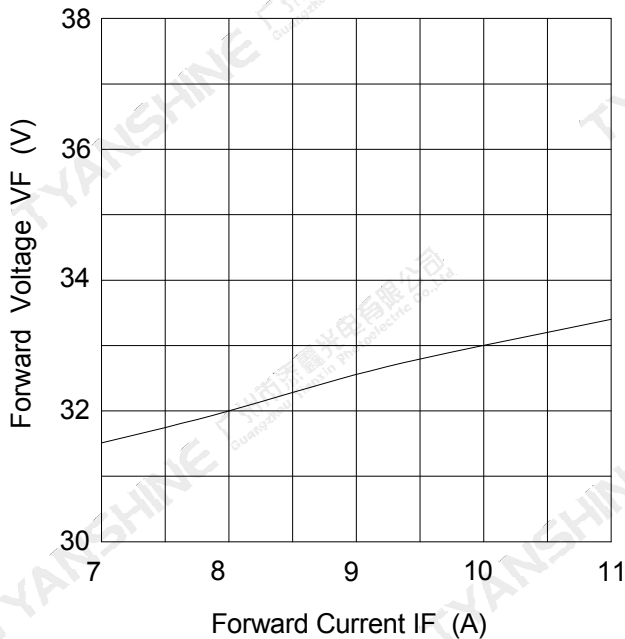
**Notes:**

- 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.

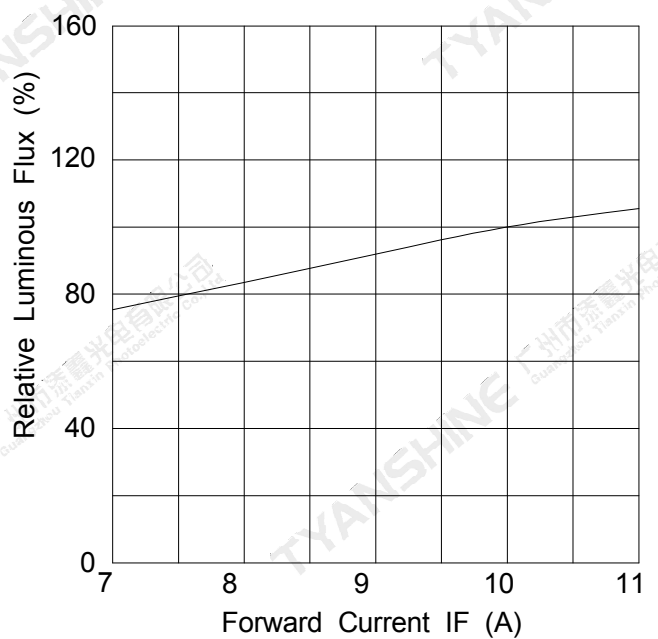
## Typical Electrical/Optical Characteristics Curves

(25°C Ambient Temperature Unless Otherwise Noted)

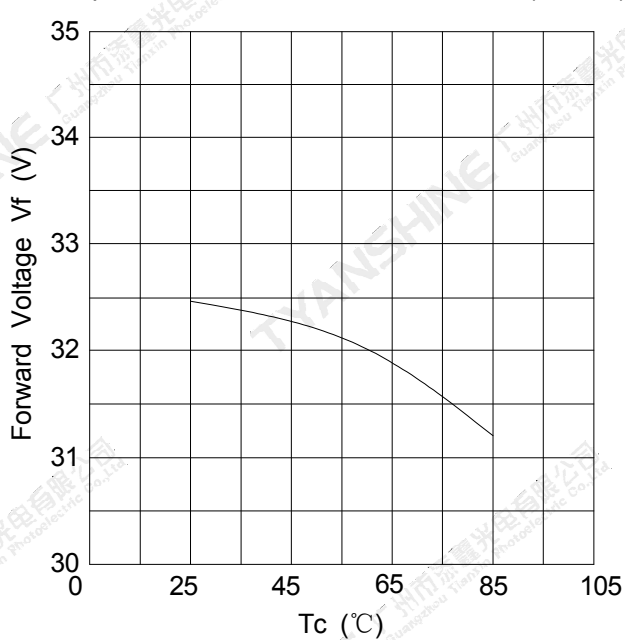
Forward Current VS. Relative Forward Voltage



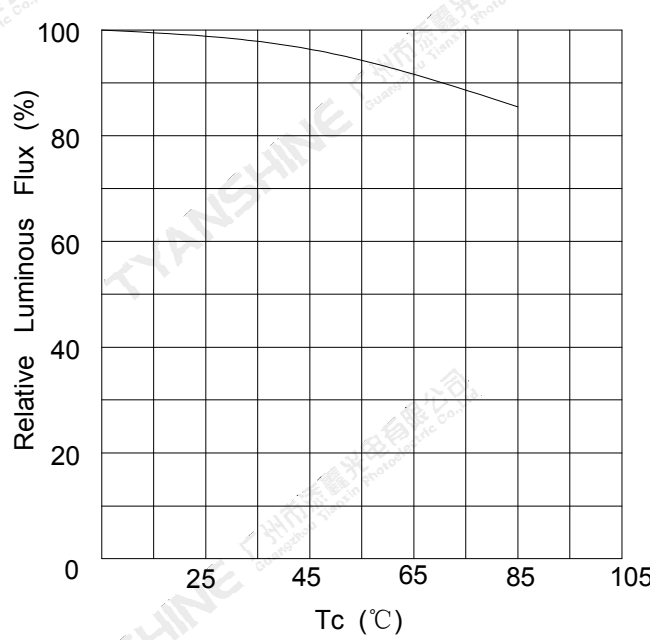
Forward Current VS. Relative Luminous Flux

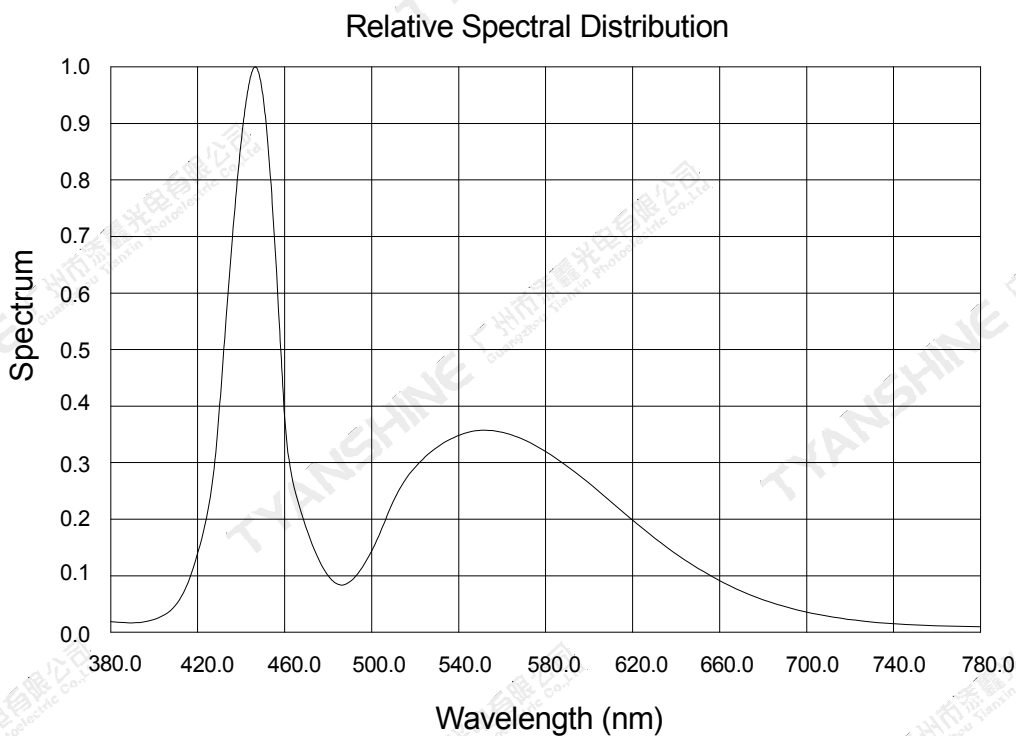
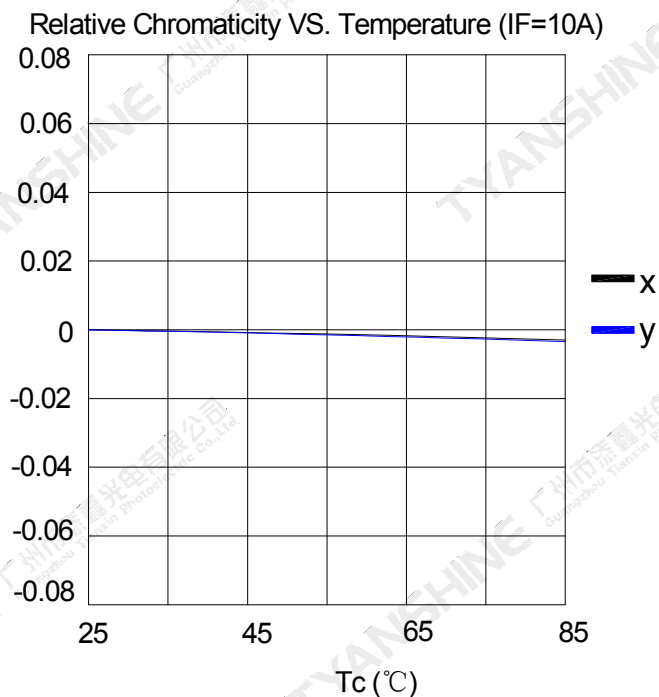
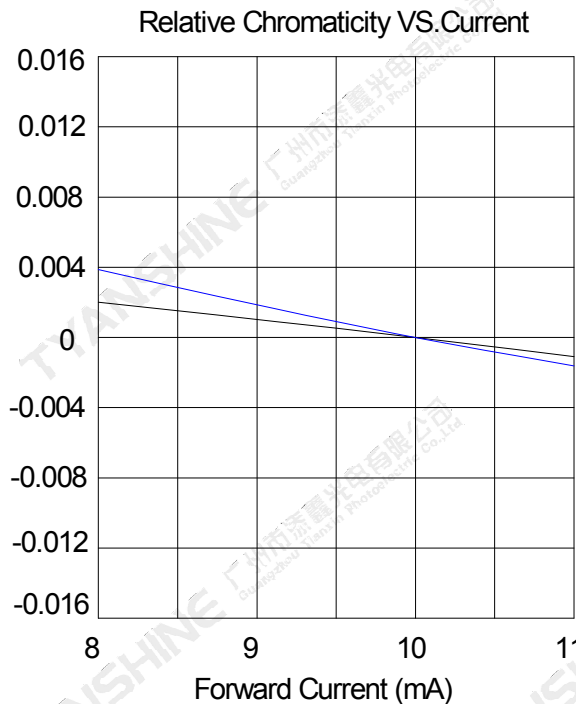


Temperature VS. Relative Luminous FLux (IF=10A)



Temperature VS. Forward Voltage (IF=10A)



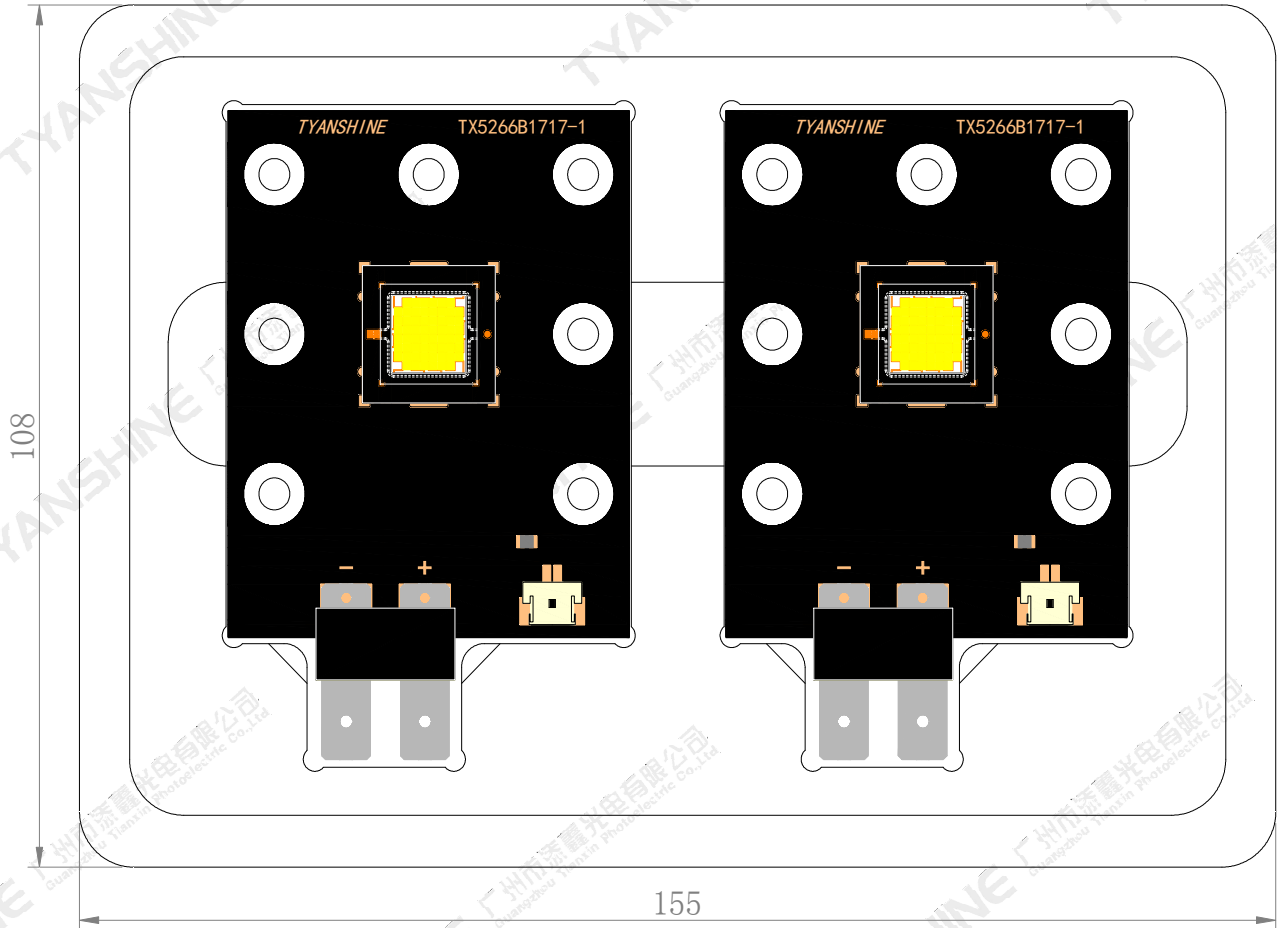


**Notes:**

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:2 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.

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