

# TX-5266W600FC120-NUVENG-B02H95

## PRODUCT SPECIFICATION

### Features:

- ◆ Excellent transiting heat from White LED chip operating under 7.5A\*2.
- ◆ High luminous output.
- ◆ No UV.
- ◆ Encapsulated materials are environmentally certified and meet environmental requirements.

### Chip Material:

- ◆ GaInN

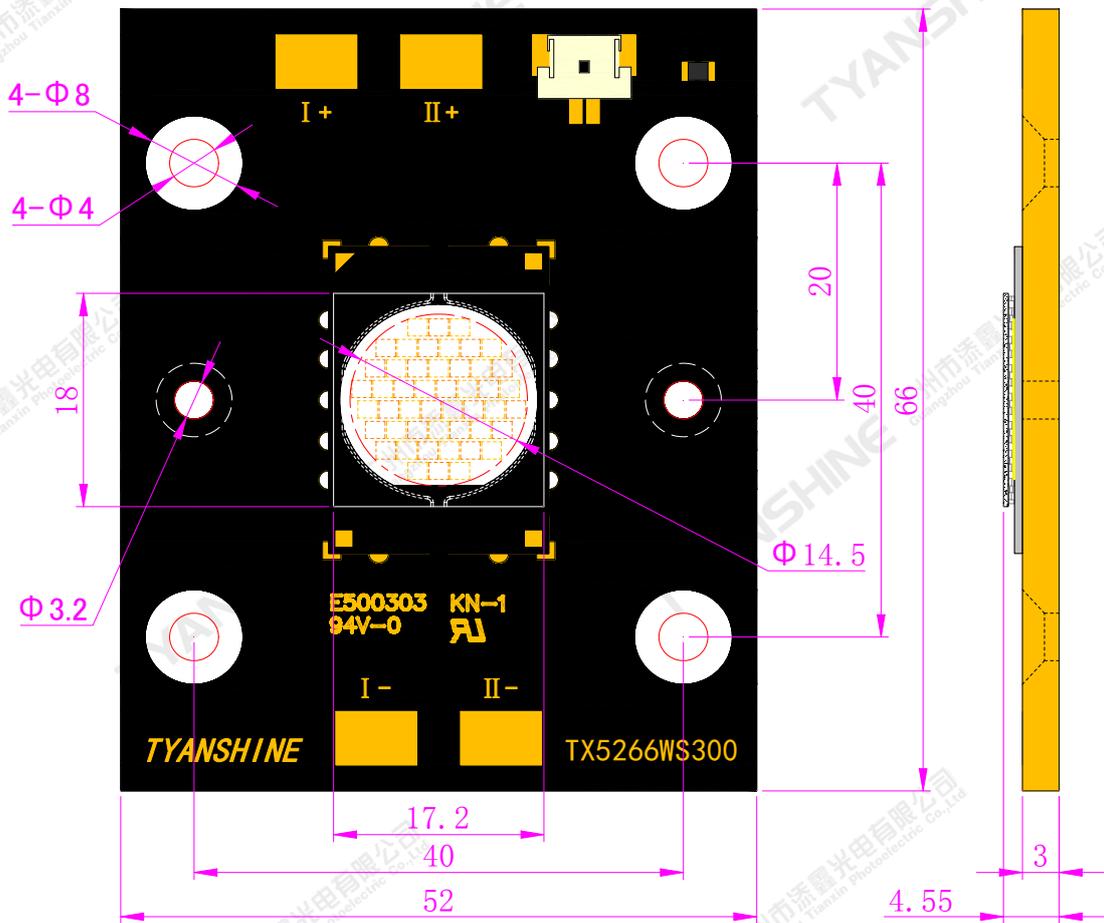
### Emitting Color:

- ◆ White

### Applications:

- ◆ Auxiliary lighting
- ◆ Ambient lighting
- ◆ Architectural lighting

**Package Dimensions:**



**Notes:**

- 1.All dimensions are in millimeters .
- 2.Tolerances unless otherwise mentioned are ±0.1mm .

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

Parameter	Symbol		Ratings	Unit
Forward Current	IF	W	7.5*2	A
Reverse Voltage	VR		—	V
Power Dissipation	PD	W	600	W
Junction Temperature	Tj	W	150	°C
Electrostatic Discharge Threshold (ESD)	ESD		2000	V
Storage Temperature	Tstg		-20~+65	°C
Operation Temperature	Topr		-40~+100	

**Notes:**

- Specifications are subject to change without notice.
- 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**

Parameter	Symbol	Condition	Emitting color	Min.	Typ.	Max.	Units
Luminous Flux	$\Phi_v$	If=7.0A*2 (Tc=25°C)	W	27000	28000	—	lm
		If=7.0A*2 (Tc=85°C)	W	21000	22000	—	
Forward Voltage	$V_f$	If=7.0A*2 (Tc=25°C)	W	35	37.5	40	V
		If=7.0A*2 (Tc=85°C)	W	34	36.5	39	
Correlated Colour Temperature	CCT	If=7.0A*2 (Tc=25°C)	W	5400	5700	6000	K
		If=7.0A*2 (Tc=85°C)	W	5800	6200	6500	
Viewing Angle at 50% IV	$2\theta_{1/2}$	—	W	—	120	—	Deg
Reverse Current	$I_R$	—	W	—	—	—	$\mu A$
Thermal Resistance Junction to Case	$R\theta_{J-C}$	—	W	—	0.05	—	K/W
Temperature Coefficient of Voltage	$V\Delta F/T$	If=7.0A*2	W	—	-17.3	—	mV/°C
Color Rendering Index	Ra		W	95	97	—	—
Color Rendering Index	R9		W	90	92	—	—
Color Rendering Index	R12		W	75	77	—	—

**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.

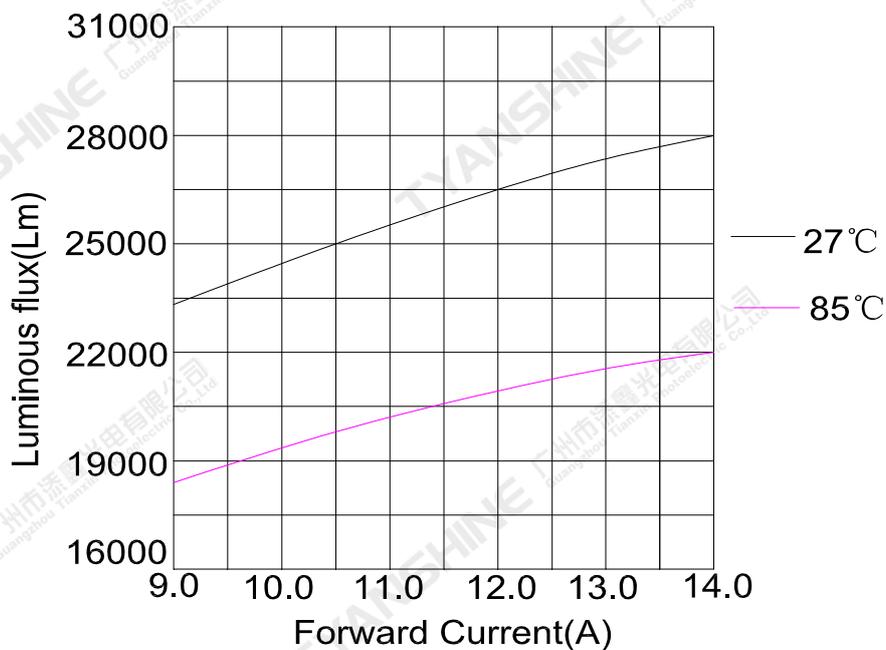
## Typical Electrical/Optical Characteristics Curves

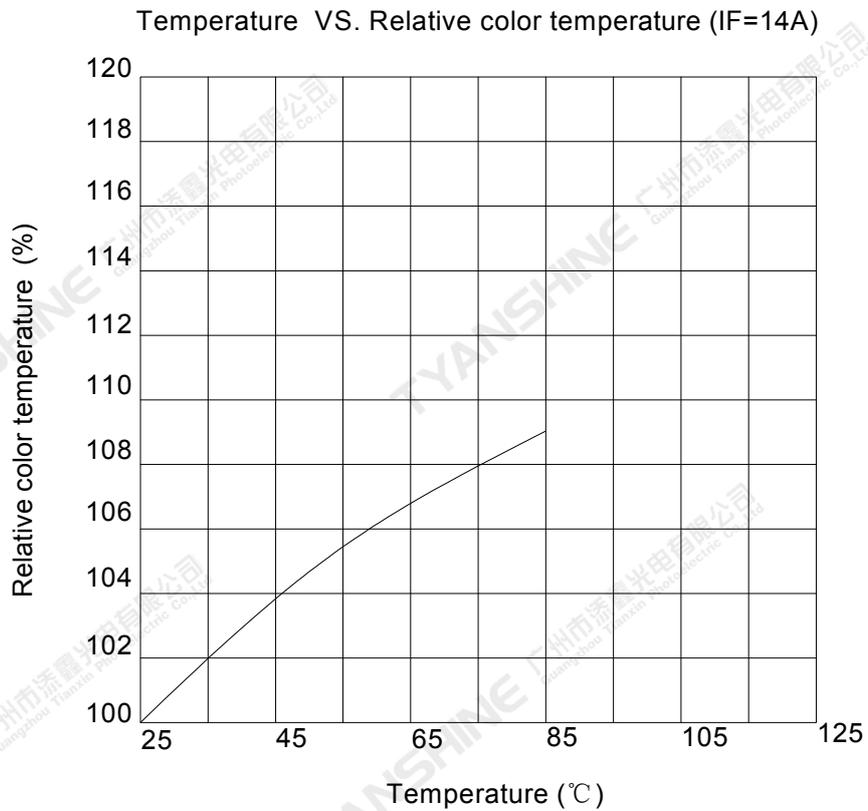
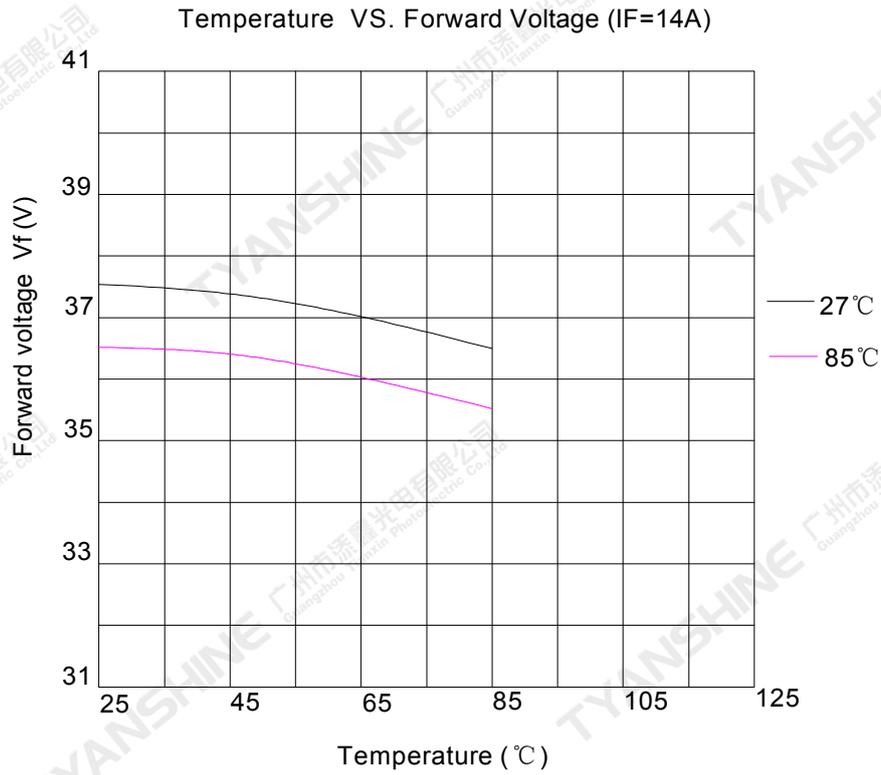
(25°C Ambient Temperature Unless Otherwise Noted)

Forward Current VS. Forward Voltage

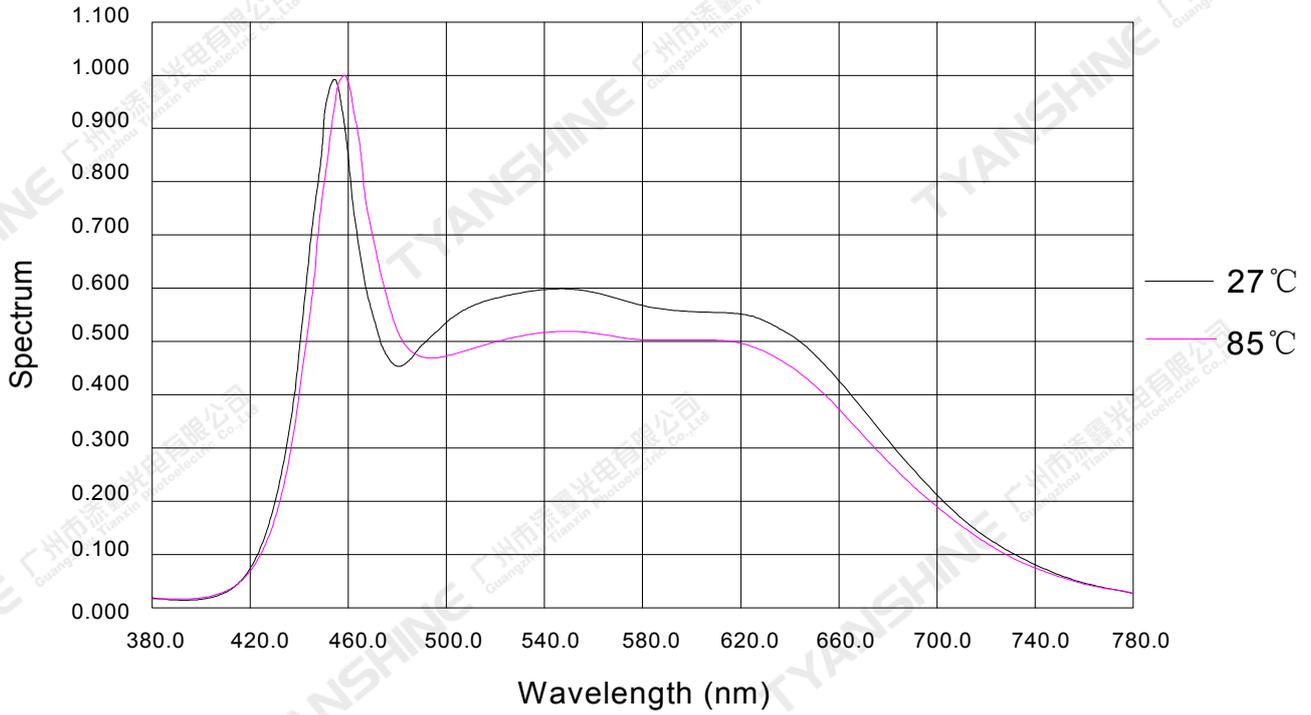


Forward Current VS. Luminous flux

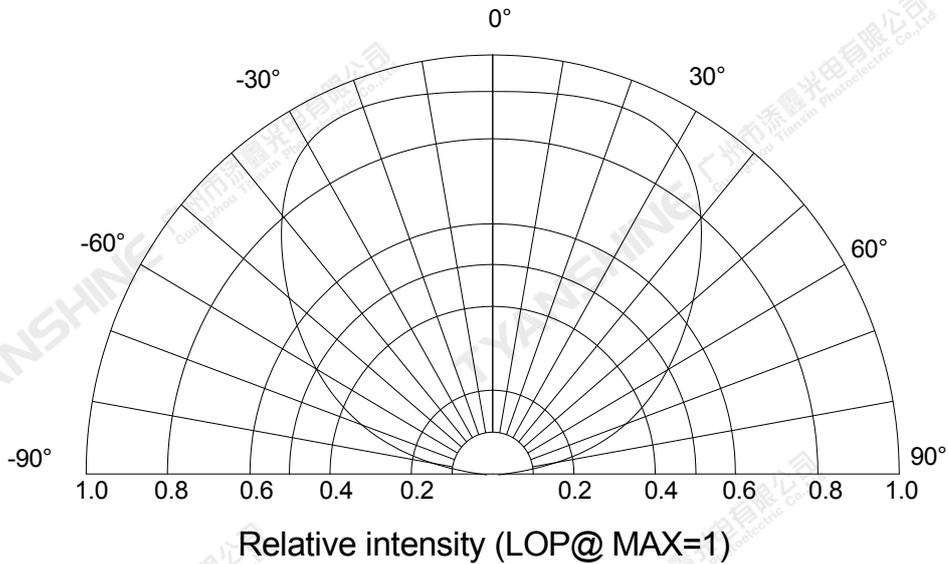




Relative Spectral Distribution



Beam Pattern

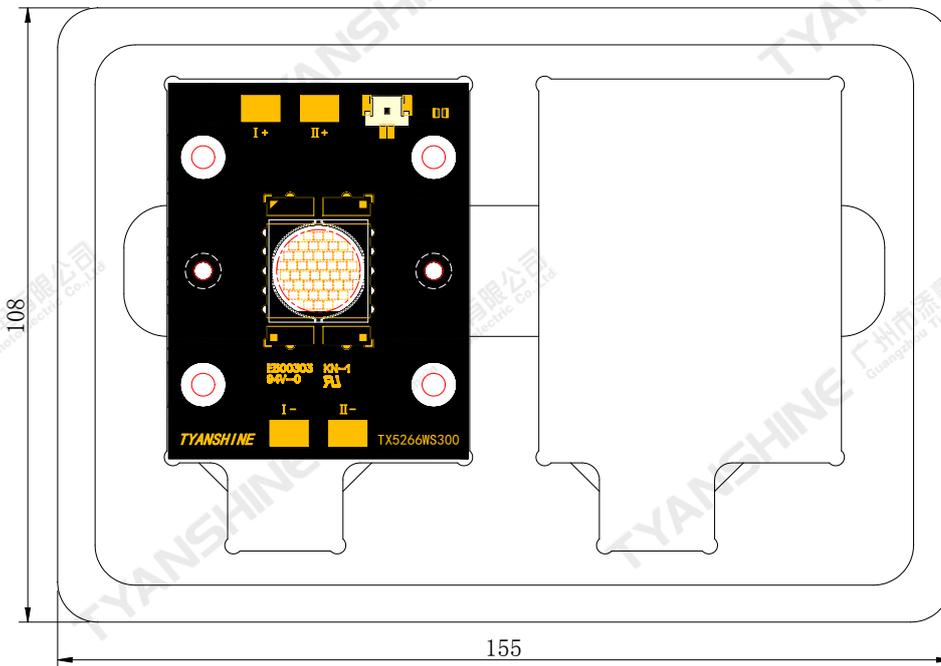


**Notes:**

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:2PCS**



**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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