

# TX-3636W160FC120-NUVENG-A01

## PRODUCT SPECIFICATION

### Features:

- ◆ High luminous output.
- ◆ No UV.
- ◆ Encapsulated materials are environmentally certified and meet environmental requirements.

### Chip Material:

- ◆ GaN

### Emitting Color:

- ◆ White (W)

### Applications:

- ◆ Auxiliary lighting
- ◆ Architectural lighting

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

Parameter	Symbol	Ratings	Unit
Forward Current	IF	10.5	A
Reverse Voltage	VR	Not designed for reverse operation	V
Power Dissipation	PD	160	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.
- 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.

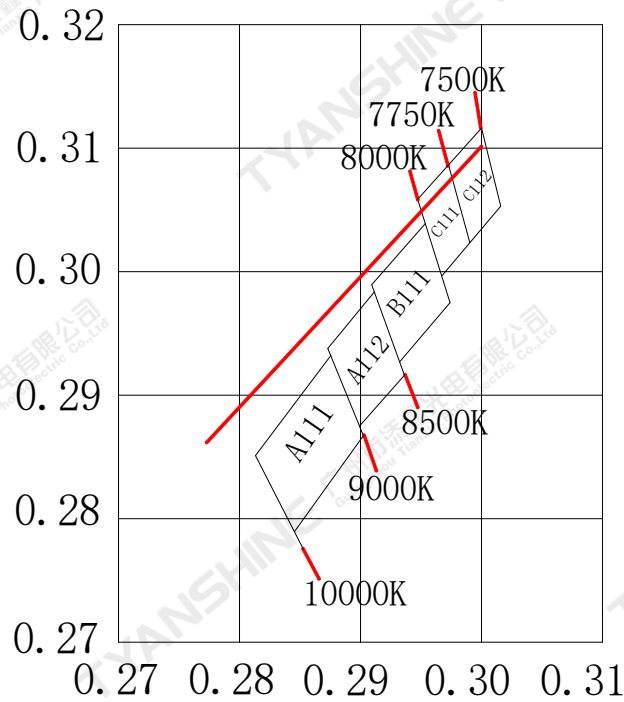
**Electrical Optical Characteristics (IF=10A,Tc=25°C)**

Parameter	Symbol	Min.	Typ.	Max.	Units
Luminous Flux	$\phi_v$	8000	—	11000	lm
Correlated Colour Temperature	CCT	7500	—	10000	K
Forward Voltage	$V_f$	13	15.5	18	V
Viewing Angle at 50% IV	$2\theta_{1/2}$	—	120	—	Deg
Spectral Line Half-Width	$\Delta\lambda$	23	28	33	nm
Reverse Current	$I_R$	—	—	—	$\mu A$
Temperature Coefficient of Voltage	$V\Delta F/T$	—	-4.67	—	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.

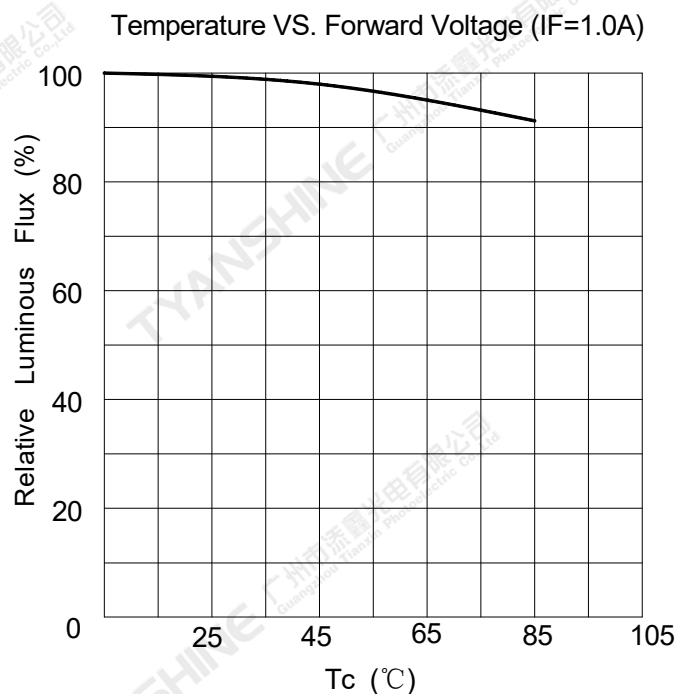
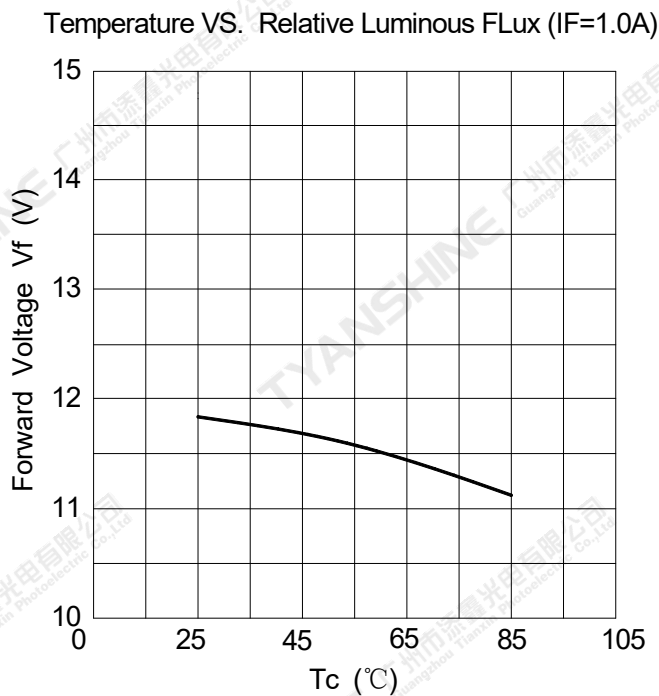
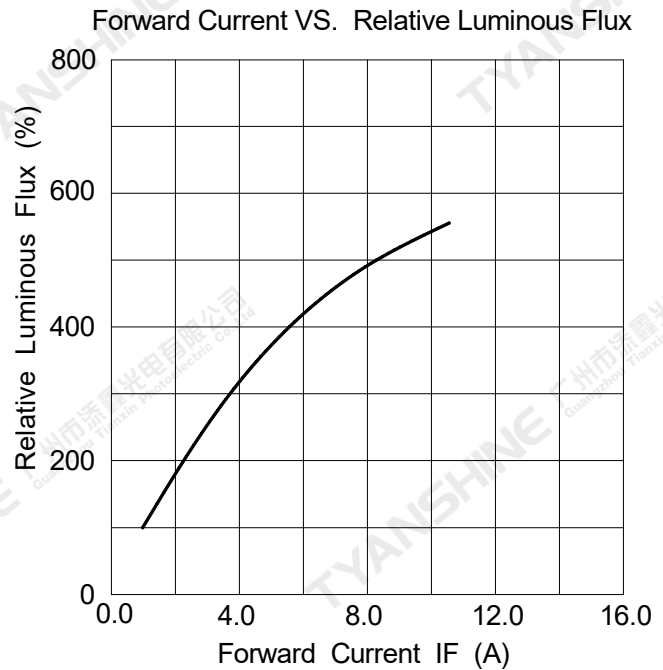
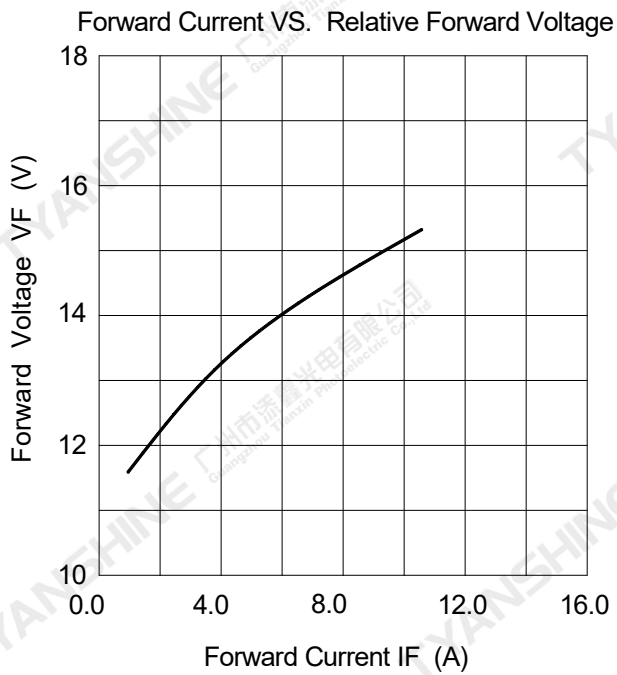
**White light Color coordinate filing (IF=10A,Tc=25℃)**

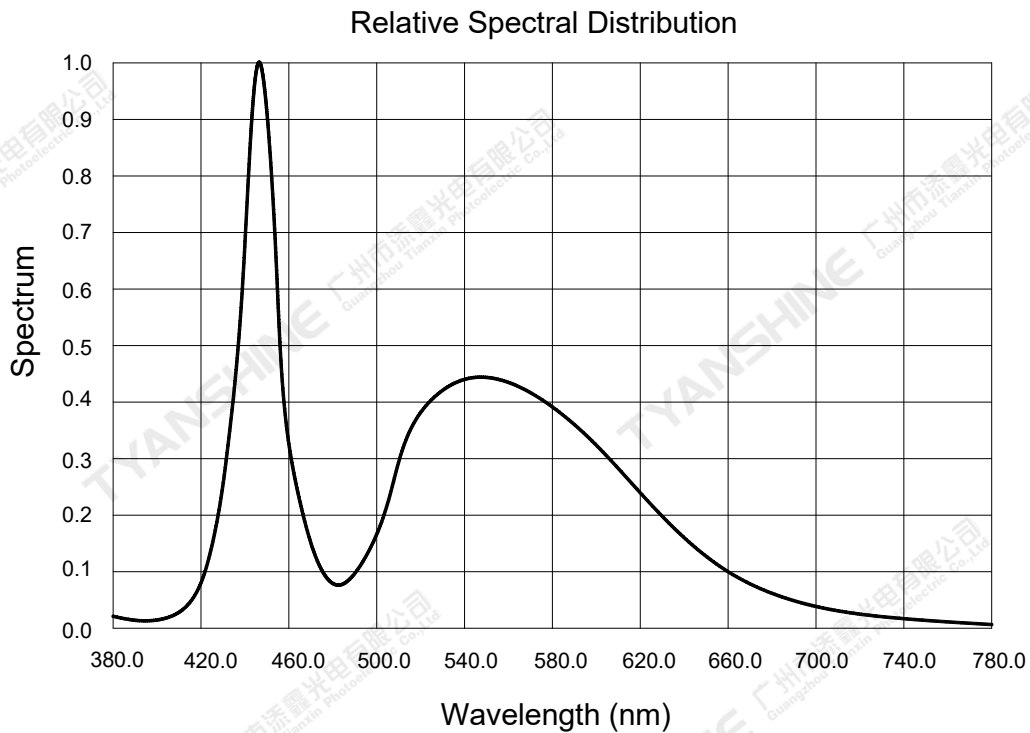
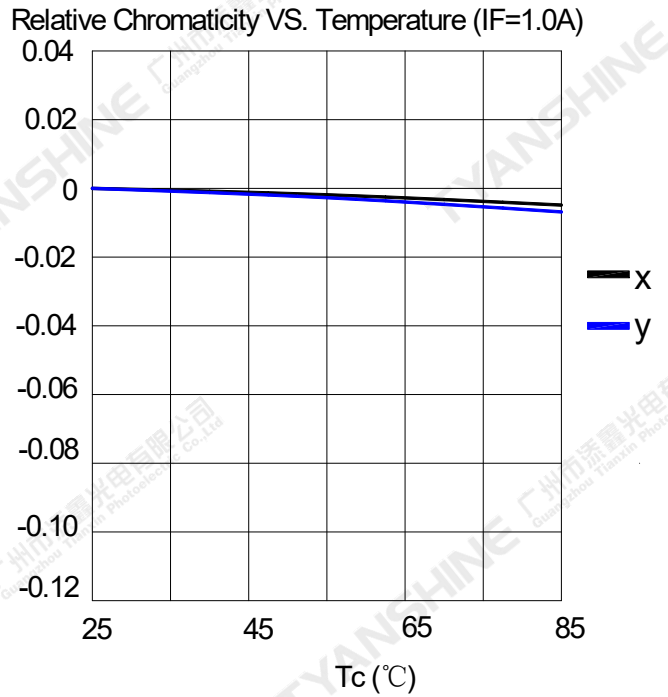
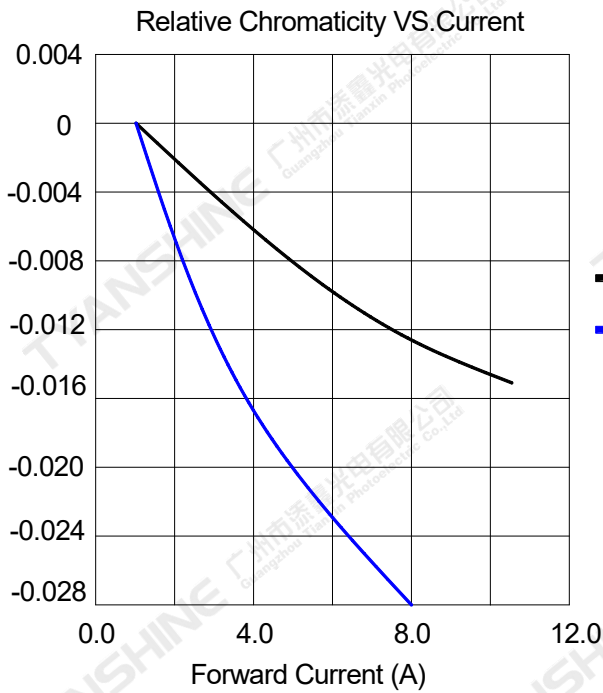


Region	CCT Range	X1	Y1	X2	Y2	X3	Y3	X4	Y4
C112	7500-7750K	0.3016	0.3053	0.3000	0.3116	0.2973	0.3086	0.2990	0.3023
C111	7750-8000K	0.2990	0.3023	0.2973	0.3086	0.2947	0.3059	0.2967	0.2996
B111	8000-8500K	0.2974	0.2975	0.2954	0.3039	0.2909	0.2989	0.2932	0.2927
A112	8500-9000K	0.2936	0.2916	0.2911	0.2984	0.2873	0.2938	0.2899	0.2875
A111	9000-10000K	0.2902	0.2867	0.2875	0.2932	0.2813	0.2851	0.2845	0.2789

## Typical Electrical/Optical Characteristics Curves

(25°C Ambient Temperature Unless Otherwise Noted)





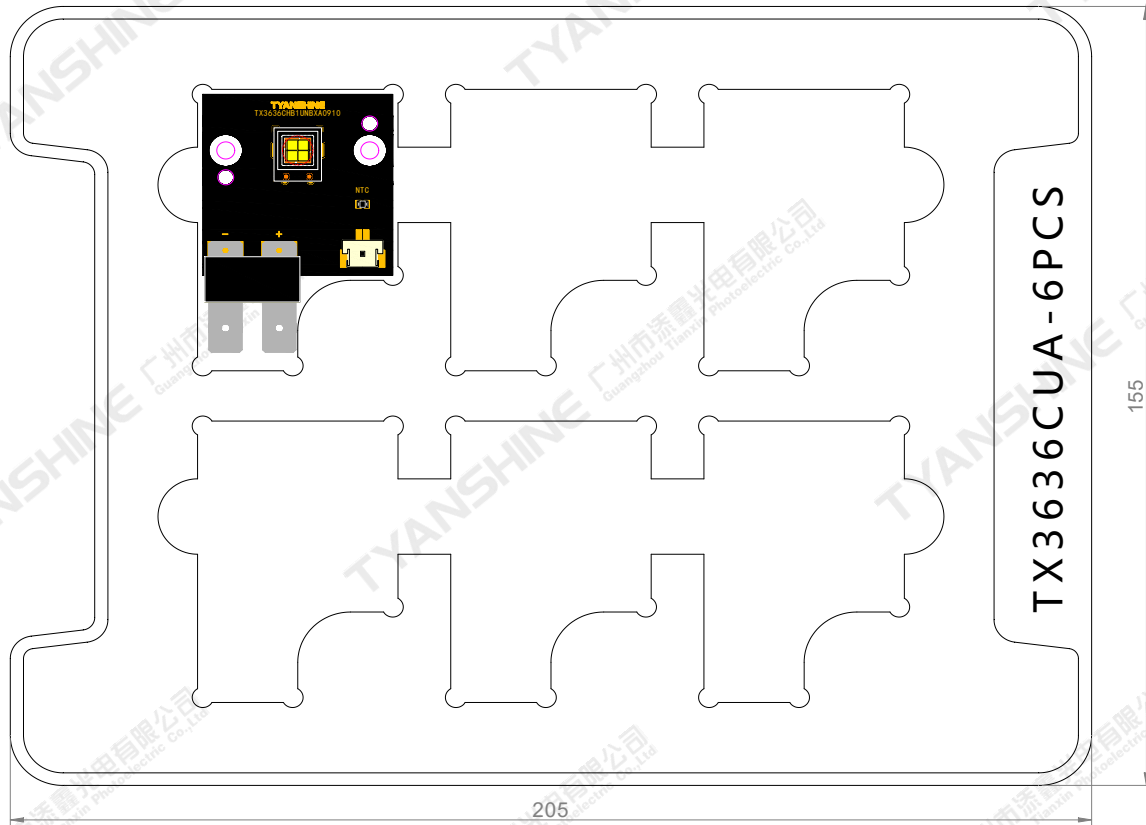
**Notes:**

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  $\pm 5^\circ$ .

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**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.

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