

TX-5266W250FC120-NUVENG-A02C

PRODUCT SPECIFICATION

Features:

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

Chip Material:

- ◆ GaN

Emitting Color:

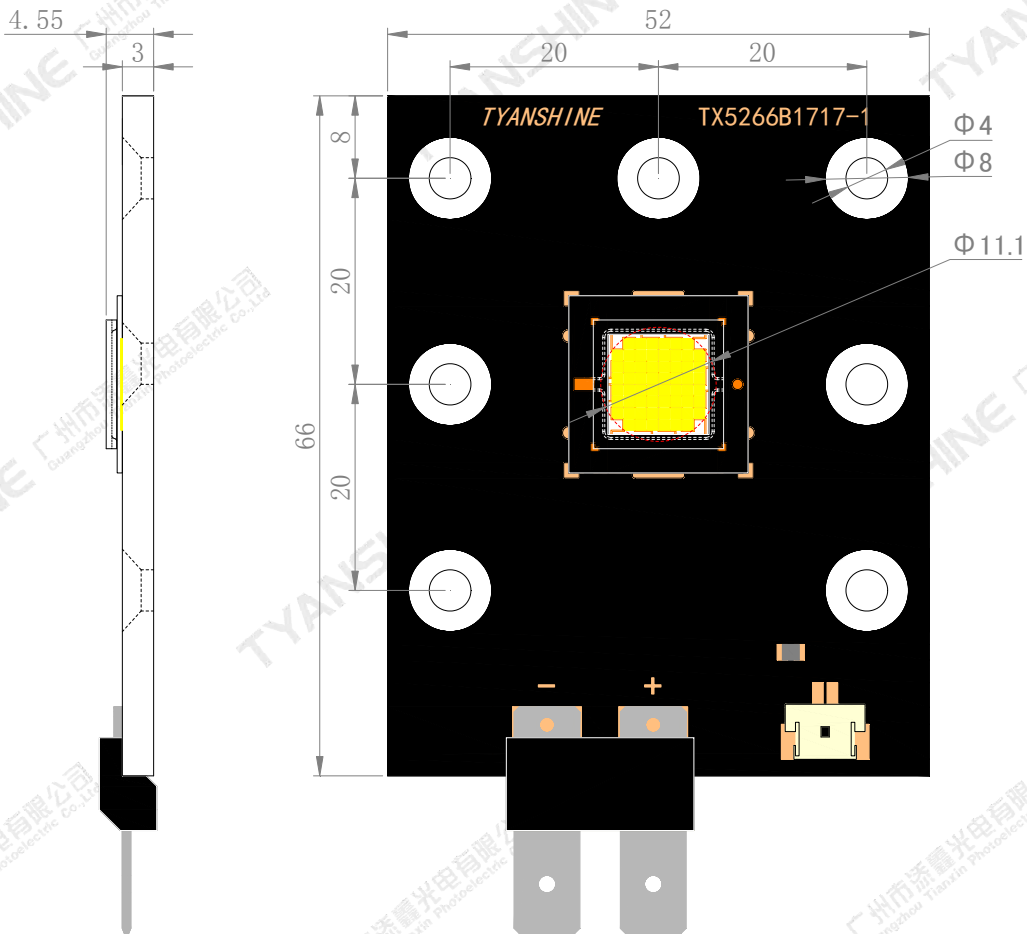
- ◆ White

Applications:

- ◆ Auxiliary lighting
- ◆ Architectural lighting

Part No.	TX-5266W250FC120-NUVENG-A02C	Spec No.	WKF-BE0910	Page	1 of 7
----------	------------------------------	----------	------------	------	--------

Package Dimensions:



Notes:

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

Part No.	TX-5266W250FC120-NUVENG-A02C	Spec No.	WKF-BE0910	Page	2 of 7
----------	------------------------------	----------	------------	------	--------

Absolute Maximum Ratings (Tc=27°C)

Parameter	Symbol	Ratings	Unit
Forward Current	IF	7500	mA
Reverse Voltage	VR	Not designed for reverse operation	V
Power Dissipation	PD	286	W
Junction Temperature	Tj	150	°C
Electrostatic Discharge Threshold (ESD)	ESD	2000	V
Storage Temperature	Tstg	-20~+70	°C
Operation Temperature	Topr	-30~+100	

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

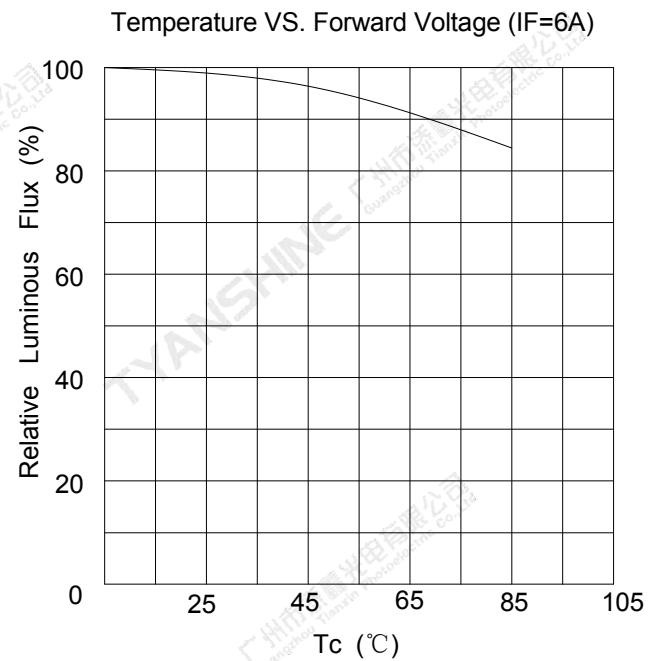
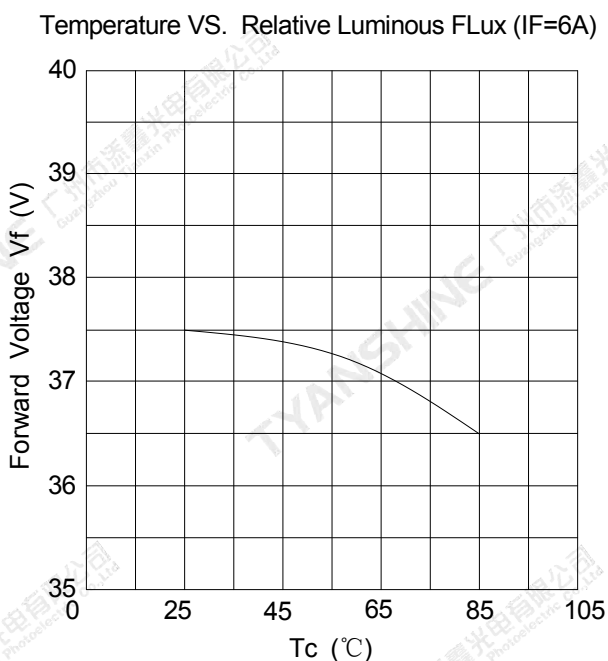
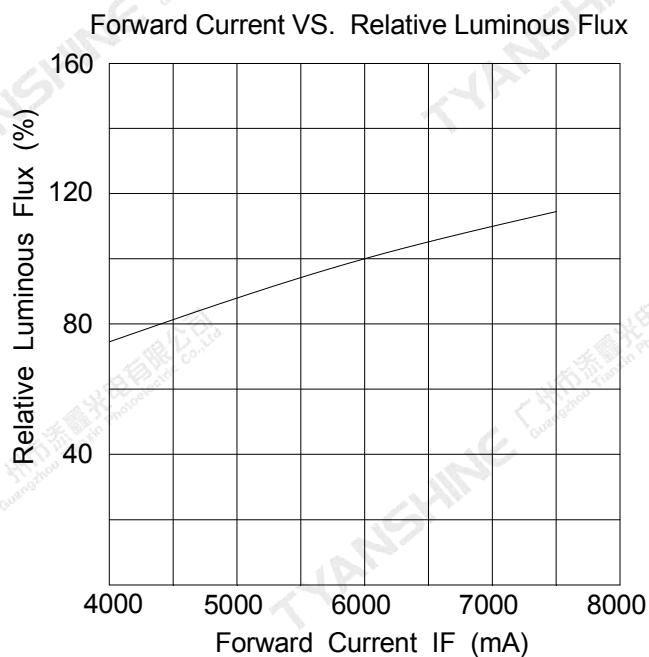
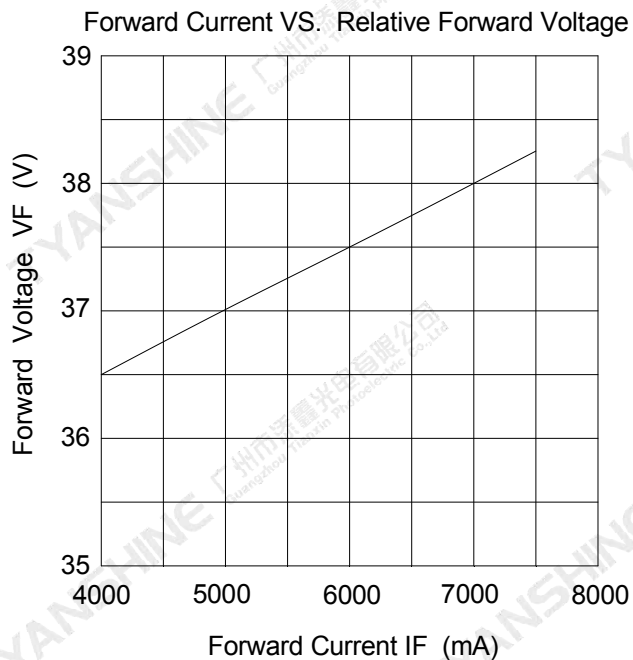
Parameter	Symbol	Condition	Min.	Typ.	Max.	Units
Luminous Flux	Φ_v	If=6A , Ta=27°C	18000	20000	22000	lm
		If=6A , Ta=85°C	15170	16860	18550	
Correlated Colour Temperature	CCT	If=6A , Ta=27°C	6000	8000	9500	K
		If=6A , Ta=85°C	6540	8720	10350	
Forward Voltage	V_f	If=6A , Ta=27°C	35	37.5	40	V
		If=6A , Ta=85°C	34.5	36.5	39.5	
Viewing Angle at 50% IV	$2\theta_{1/2}$	—	—	120	—	Deg
Spectral Line Half-Width	$\Delta\lambda$	If=6A , Ta=27°C	20	25	30	nm
		If=6A , Ta=85°C	25	30	35	
Reverse Current	I_R	—	—	—	—	μA
Color Rendering Index	Ra	—	—	—	—	—
Thermal Resistance Junction to Case	$R\theta_{J-C}$	—	—	0.08	—	K/W
Temperature Coefficient of Voltage	$V\Delta F/T$	If=6A	—	-16.7	—	mV/°C
Thermistor(NTC)	Rt25	—	—	10	—	K Ω

Notes:

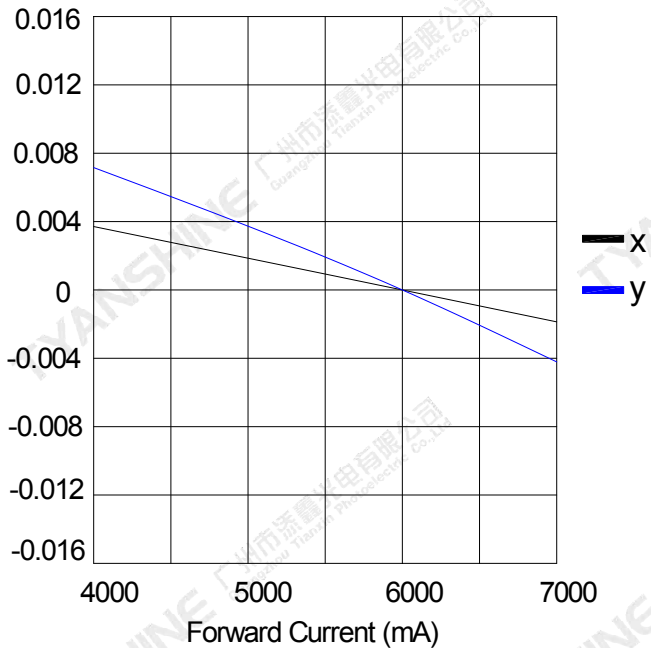
- 1.Luminous intensity is measured with a light sensor and filter combination that approximates the CIE eye-response curve.
2. $\theta_{1/2}$ is the off-axis angle at which the luminous intensity is half the axial luminous intensity.
- 3.Luminous flux measurement tolerance:±15%.
- 4.Forward voltage measurement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

Typical Electrical/Optical Characteristics Curves

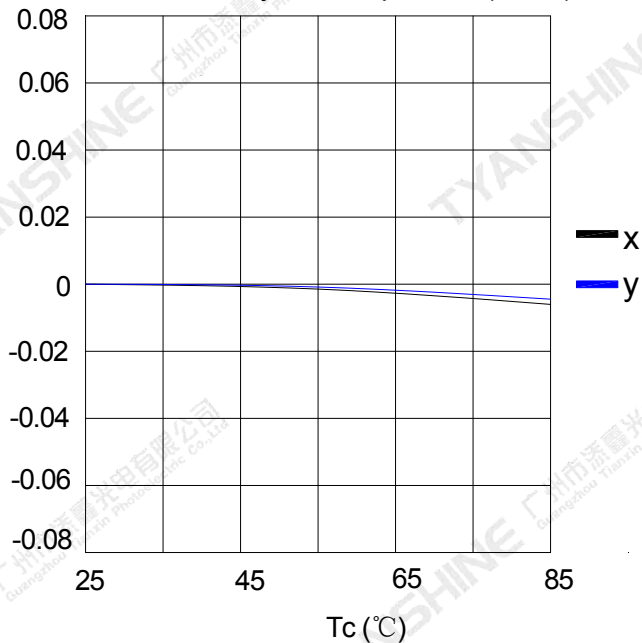
(25°C Ambient Temperature Unless Otherwise Noted)



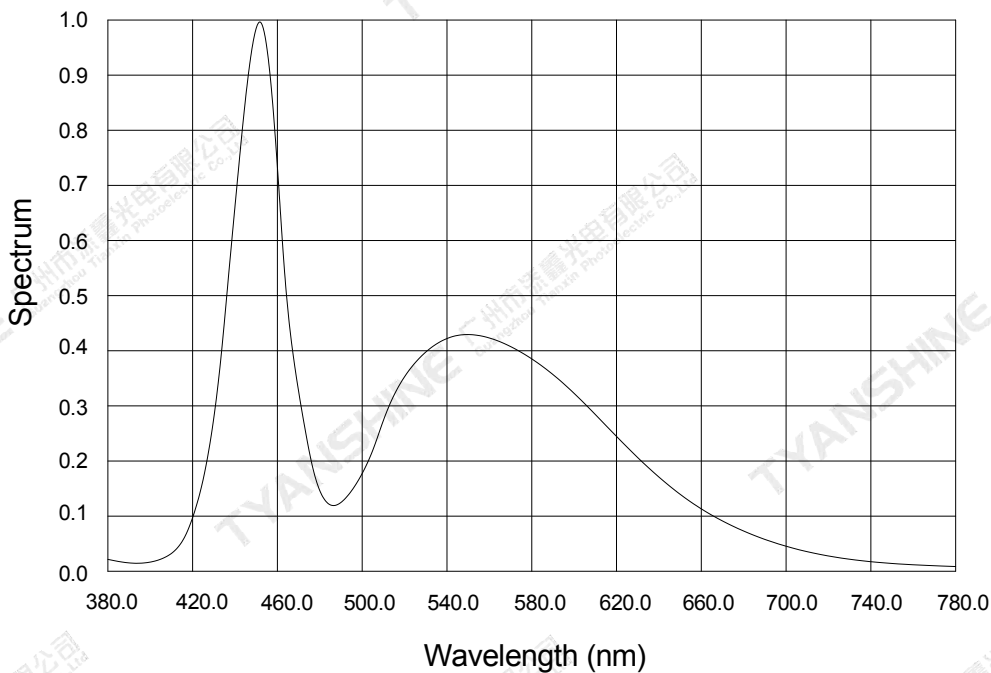
Relative Chromaticity VS. Current



Relative Chromaticity VS. Temperature (IF=6A)



Relative Spectral Distribution

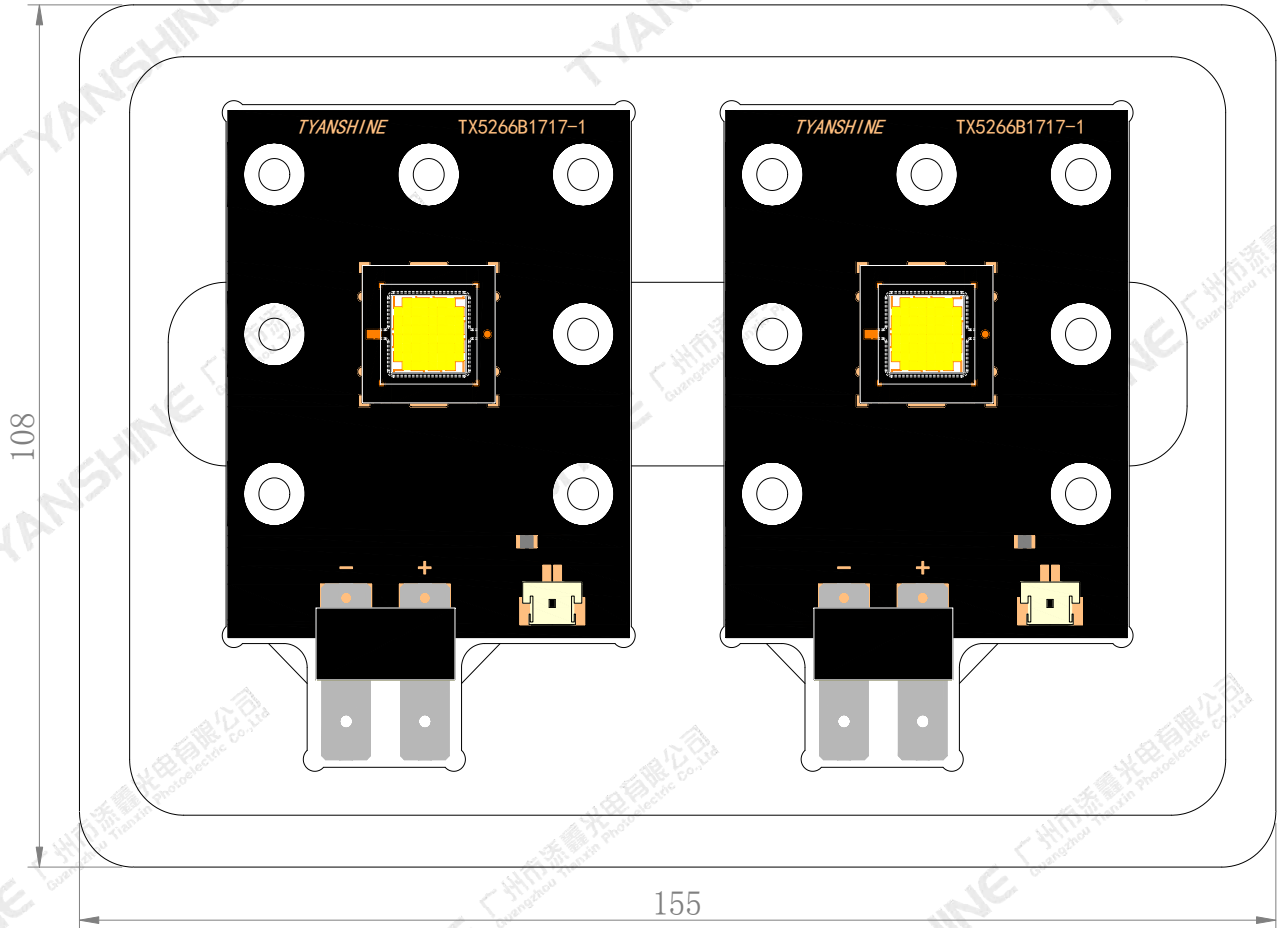


Notes:

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 ± 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-5266W250FC120-NUVENG-A02C	Spec No.	WKF-BE0910	Page	7 of 7
----------	------------------------------	----------	------------	------	--------