

TX-5266WS350FC120-NUVENG-01H95

PRODUCT SPECIFICATION

Features:

- ◆Excellent transiting heat from LED chip operating under 10A.
- ◆High luminous output.
- ◆No UV.
- ◆Encapsulated materials are environmentally certified and meet environmental requirements.

Chip Material:

- ◆ThinGaN

Emitting Color:

- ◆White
- ◆Warm White

Applications:

- ◆Auxiliary lighting
- ◆Architectural lighting

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

Absolute Maximum Ratings (Tc=27℃)

Parameter	Symbol		Ratings	Unit
Forward Current	IF		10	A
Reverse Voltage	VR		Not designed for reverse operation	V
Power Dissipation	PD	W	372	W
		S	372	
Junction Temperature	Tj		150	℃
Electrostatic Discharge Threshold (ESD)	ESD		2000	V
Storage Temperature	Tstg		-20~+70	℃
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

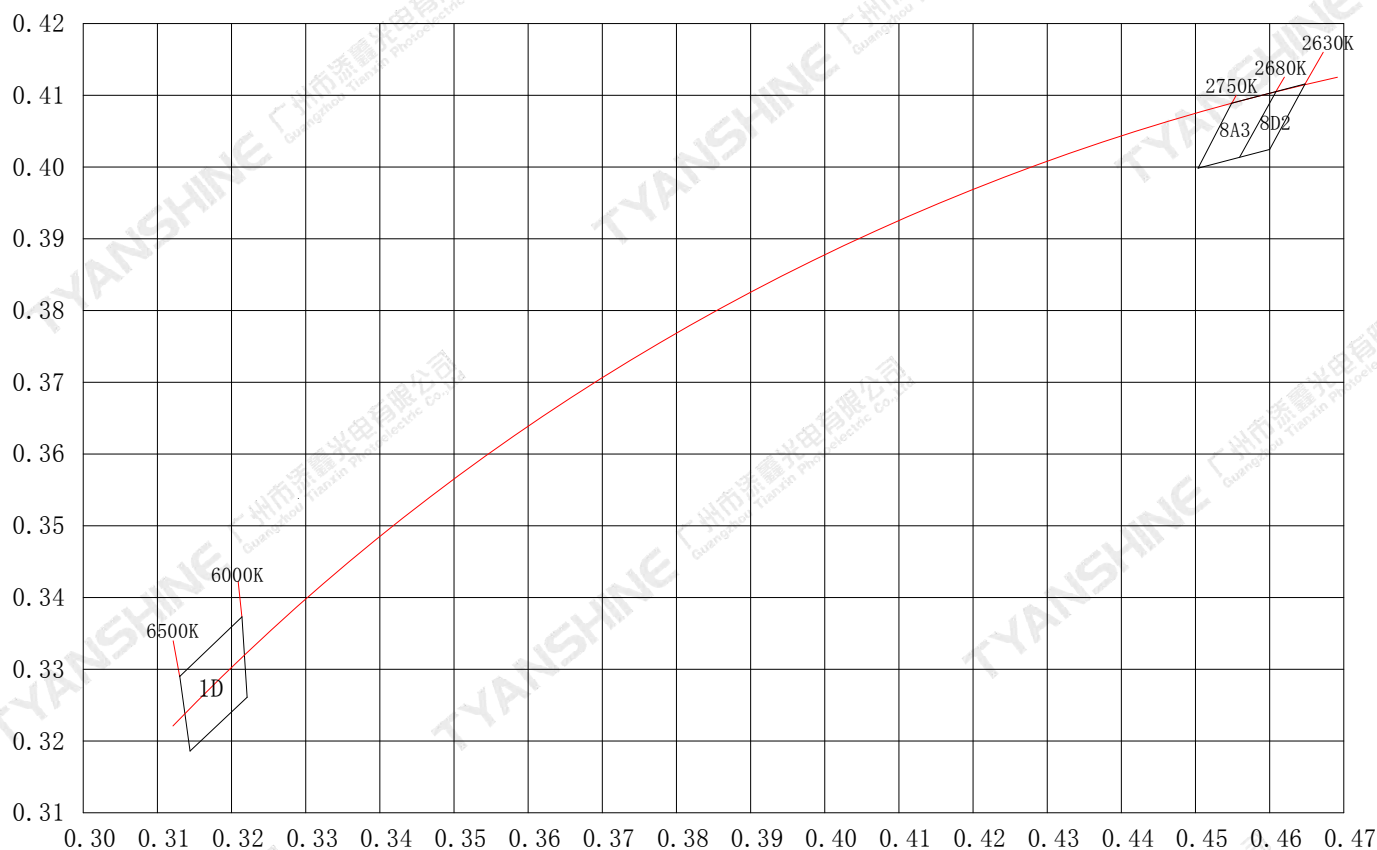
Parameter	Symbol	Condition	Emitting Color	Min.	Typ.	Max.	Units
Luminous Flux	Φ_v	If=9A (Tc=27℃)	W	18500	20000	20500	lm
			S	11000	12000	13000	
		If=9A (Tc=85℃)	W	15700	17000	17500	
			S	8400	9150	9950	
Correlated Colour Temperature	CCT	If=9A (Tc=27℃)	W	6000	—	6500	K
			S	2700	—	2870	
		If=9A (Tc=85℃)	W	6300	—	6850	
			S	2780	—	2960	
Forward Voltage	V_f	If=9A (Tc=27℃)	W	35	37	39	V
			S	35	37	39	
		If=9A (Tc=85℃)	W	34.5	36.5	38.8	
			S	34.5	36.5	38.5	
Viewing Angle at 50 % IV	$2\theta_{1/2}$	—	—	—	120	—	Deg
Spectral Line Half-Width	$\Delta\lambda$	If=9A (Tc=27℃)	W	20	25	30	nm
			S	153	158	163	
		If=9A (Tc=85℃)	W	25	30	35	
			S	155	160	165	
Reverse Current	I_R	—	—	—	—	—	μA
Color Rendering Index	Ra	—	—	95	97	—	—
		—	—	95	97	—	—
Thermal Resistance Junction to Case	$R\theta_{J-C}$	—	—	—	0.05	—	K/W
Temperature Coefficient of Voltage	$V\Delta F/T$	If=9A	W	—	-8.3	—	mV/℃
			S	—	-8.3	—	
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.

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White light Color coordinate filing (Tc=85℃)

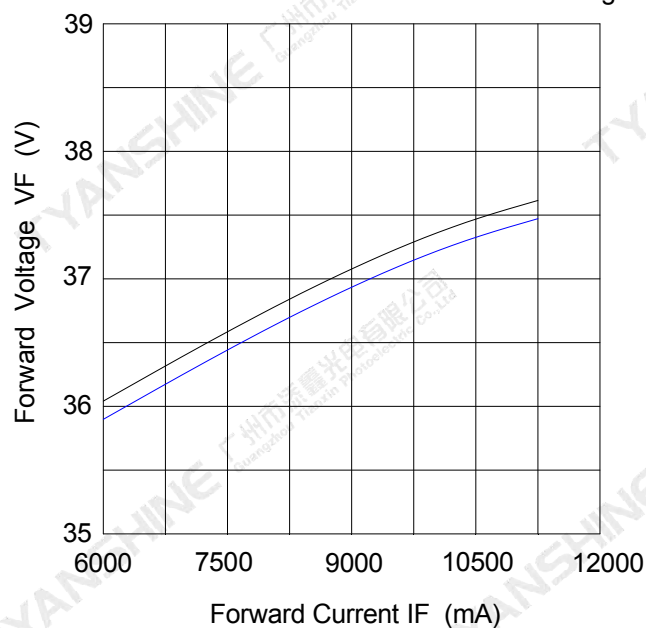


Grade	TC	P1		P2		P3		P4	
		X1	Y1	X2	Y2	X3	Y3	X4	Y4
1D	6000-6500K	0.3144	0.3186	0.313	0.329	0.3214	0.3373	0.3221	0.3261
8A3	2680-2750K	0.4503	0.3998	0.4549	0.4089	0.4609	0.4105	0.4559	0.4013
8D2	2630-2680K	0.4559	0.4013	0.4609	0.4105	0.4648	0.4116	0.46	0.4024

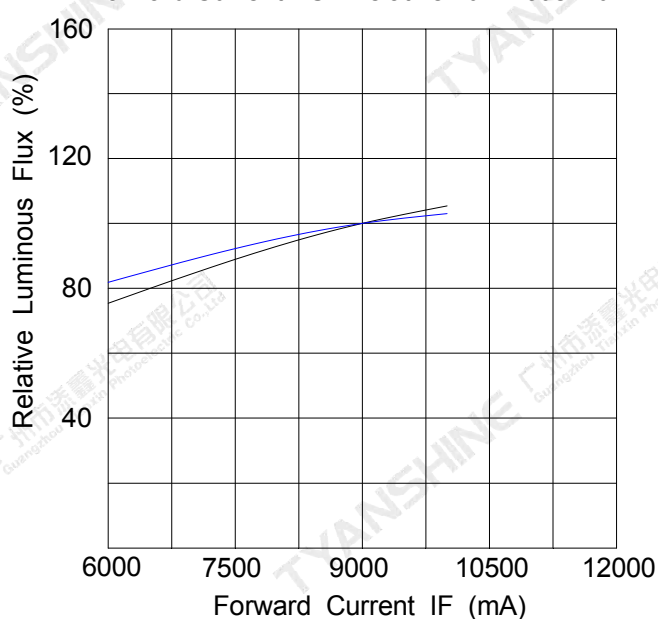
Typical Electrical/Optical Characteristics Curves

(25°C Ambient Temperature Unless Otherwise Noted)

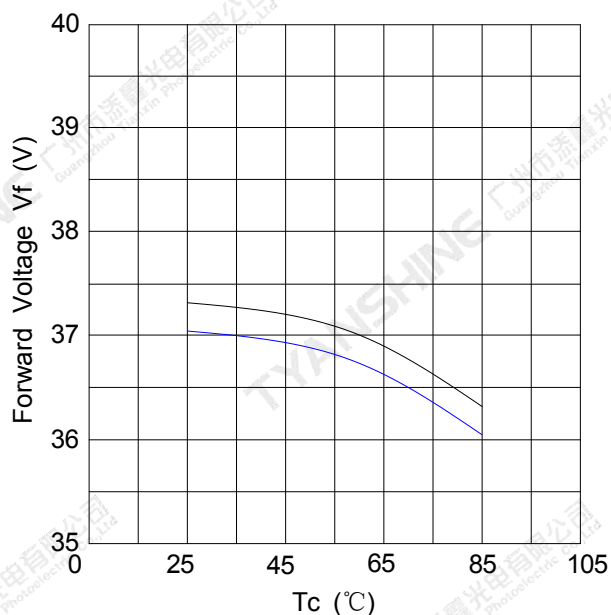
Forward Current VS. Relative Forward Voltage



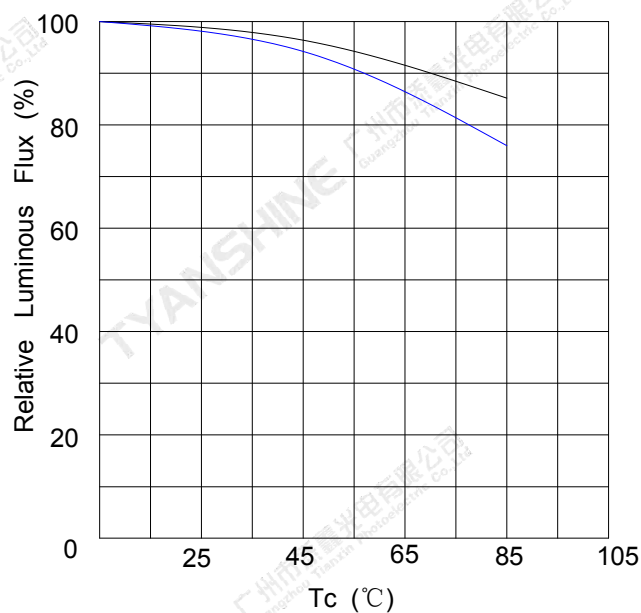
Forward Current VS. Relative Luminous Flux



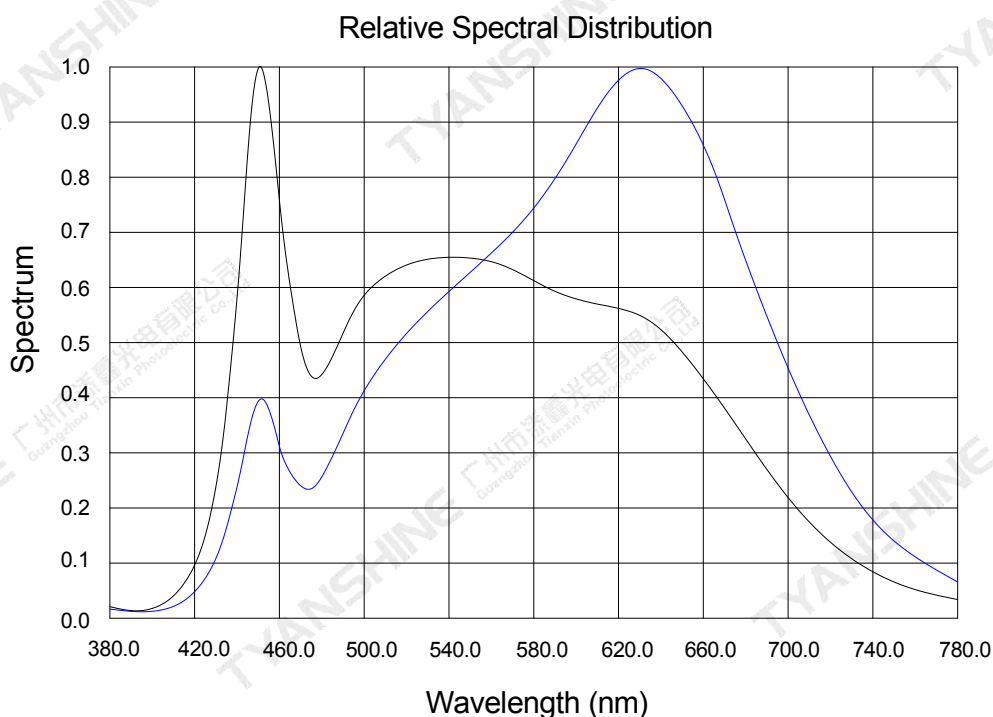
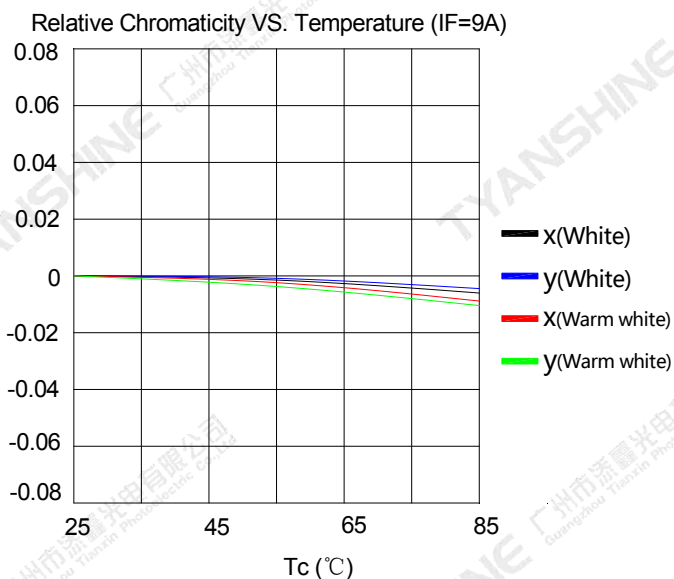
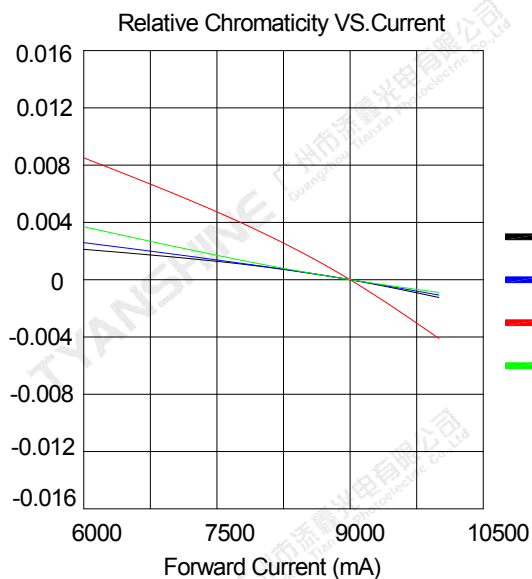
Temperature VS. Relative Luminous FLux (IF=9A)



Temperature VS. Forward Voltage (IF=9A)



Notes: — White ; — Warm white.



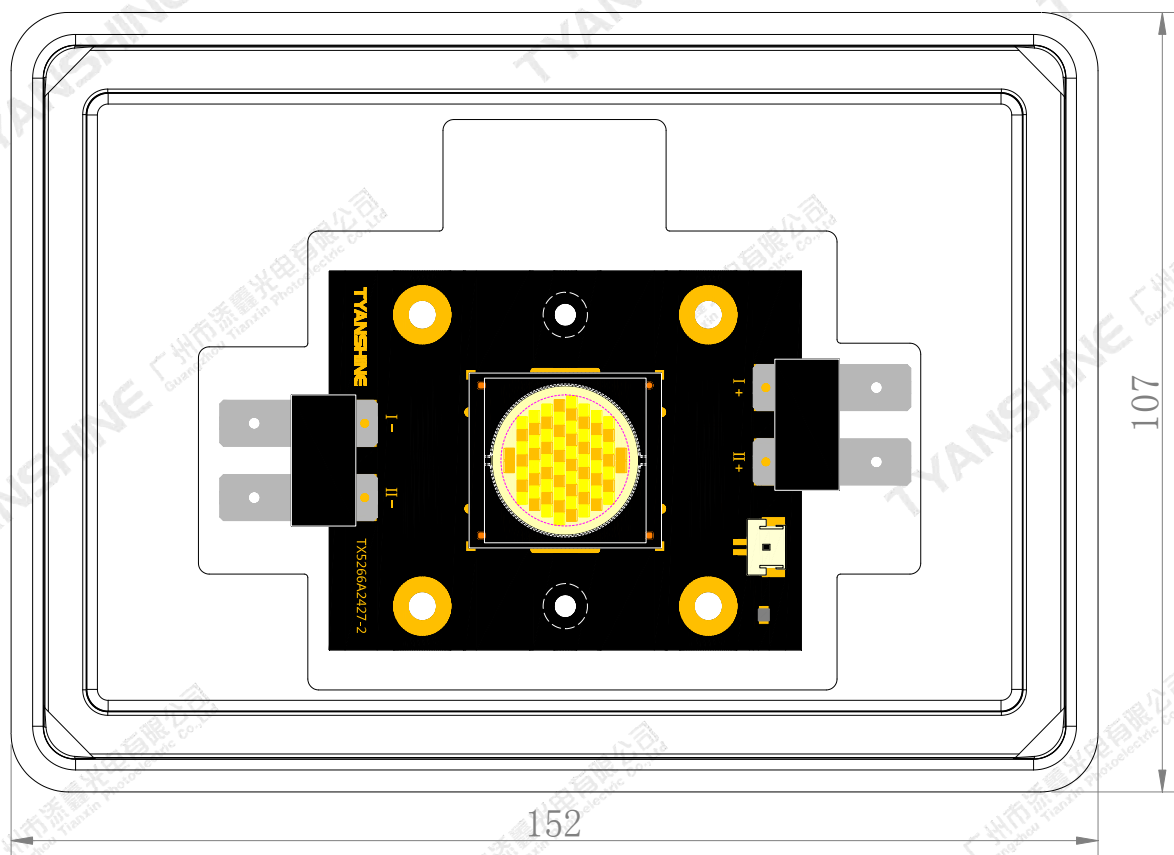
Notes: — White ; — Warm white.

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:1 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.

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