

TX-5266WS300FC120-NUVENG-01H95

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:

- ◆ThinGaN

Emitting Color:

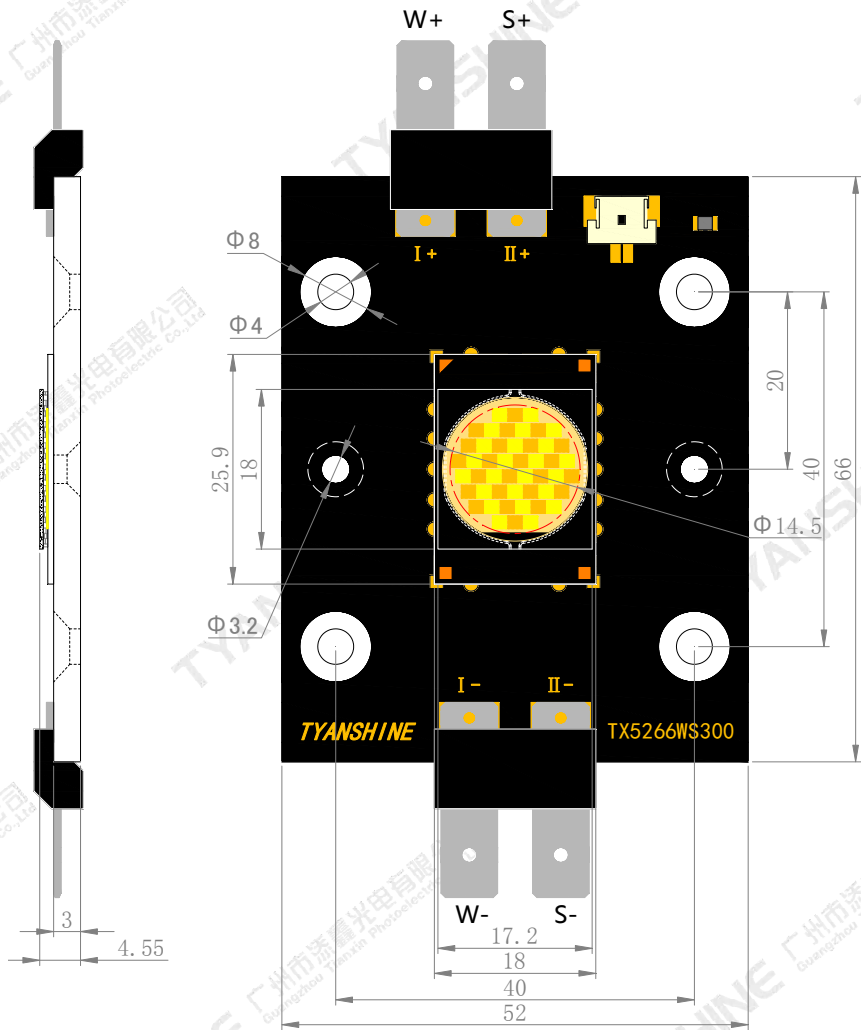
- ◆White

Applications:

- ◆Auxiliary lighting
- ◆Architectural lighting

Part No.	TX-5266WS300FC120-NUVENG-01H95	Spec No.	WKF-BE0381	Page	1 of 7
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Package Dimensions:



Notes:

- 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		7500	mA
Reverse Voltage	VR		Not designed for reverse operation	V
Power Dissipation	PD	W	277	W
		S	281	
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	Min.	Typ.	Max.	Units
Luminous Flux	φ_v (If=7.5A)	W	Ta=27℃	14000	15500	16000	lm
			Ta=85℃	11520	12750	13200	
		S	Ta=27℃	10000	11000	12000	
			Ta=85℃	7590	8350	9100	
Correlated Colour Temperature	CCT (If=7.5A)	W	Ta=27℃	6000	—	6500	K
			Ta=85℃	6300	—	6850	
		S	Ta=27℃	2700	—	2870	
			Ta=85℃	2780	—	2960	
Forward Voltage	V_f (If=7.5A)	W	Ta=27℃	36	37.5	39	V
			Ta=85℃	35	36.5	38	
		S	Ta=27℃	35.5	37	38.5	
			Ta=85℃	34.5	36	37.5	
Viewing Angle at 50 % IV	$2\theta_{1/2}$		—	—	120	—	Deg
Spectral Line Half-Width	$\Delta\lambda$ (If=7.5A)	W	Ta=27℃	25	30	35	nm
			Ta=85℃	30	35	40	
		S	Ta=27℃	173	178	183	
			Ta=85℃	170	175	180	
Reverse Current	I_R		—	—	—	—	μA
Color Rendering Index	R_a (If=7.5A)	W	—	95	97	—	—
		S	—	95	97	—	—
Thermal Resistance Junction to Case	$R\theta_{J-C}$		—	—	0.05	—	K/W
	$V\Delta F/T$ (If=7.5A)	W	—	—	-16.7	—	
Temperature Coefficient of Voltage		S	—	—	-16.7	—	mV/℃
Thermistor(NTC)	R_{t25}		—	—	10	—	KΩ

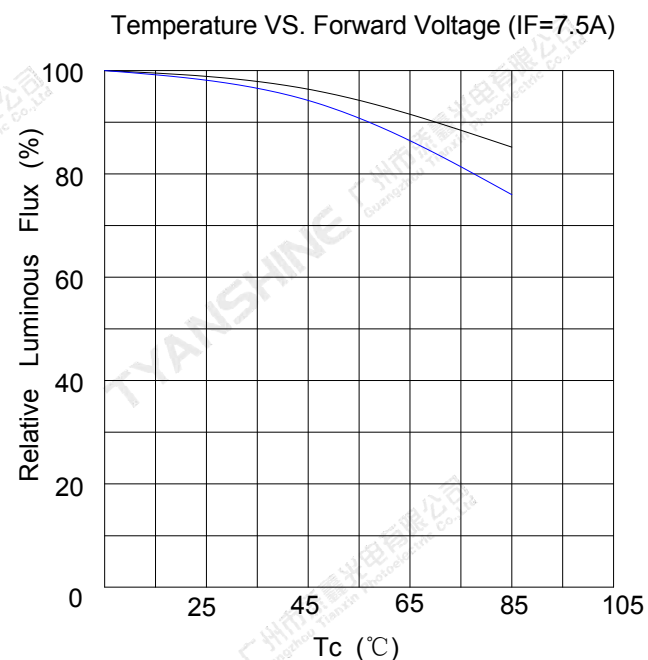
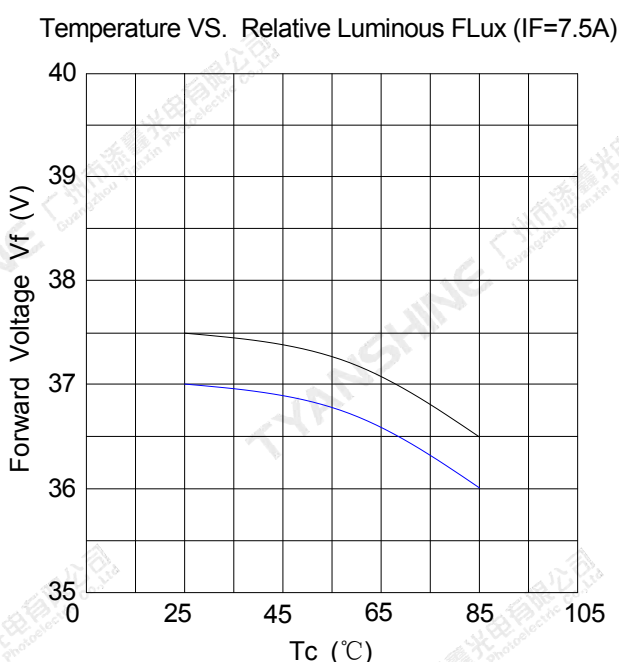
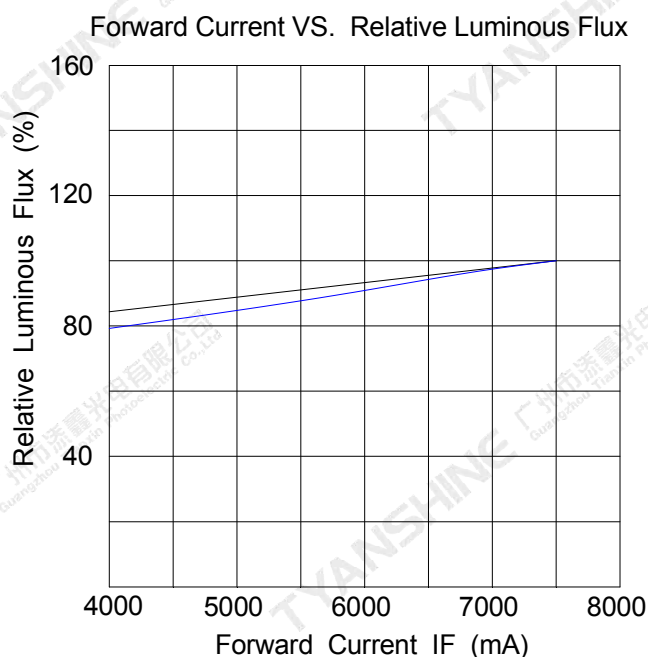
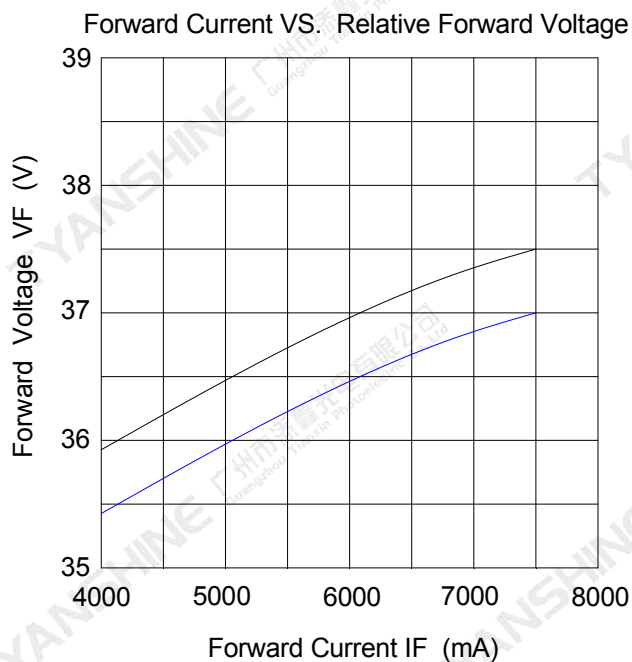
Notes:

- 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.

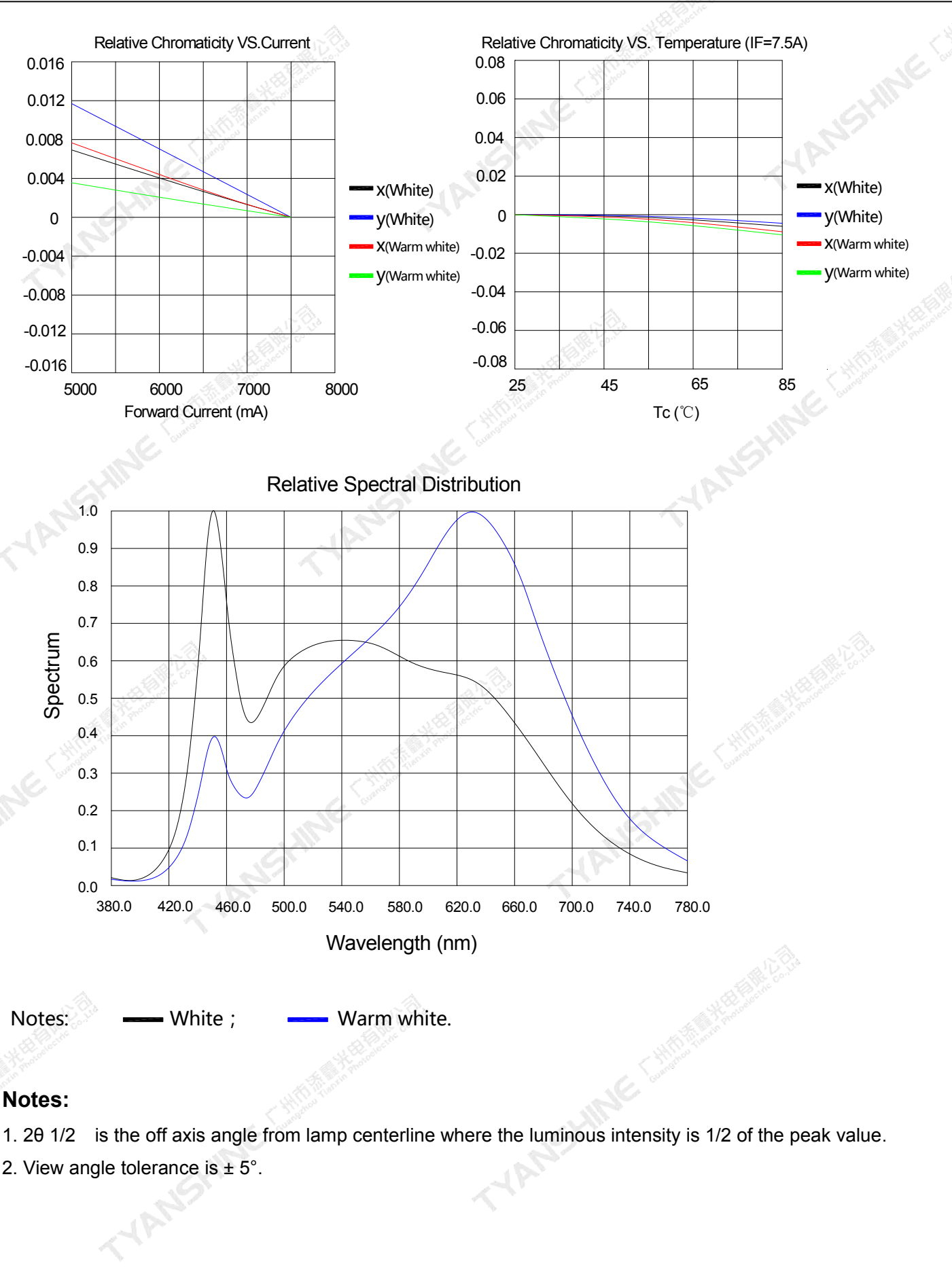
Part No.	TX-5266WS300FC120-NUVENG-01H95	Spec No.	WKF-BE0381	Page	4 of 7
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Typical Electrical/Optical Characteristics Curves

(25°C Ambient Temperature Unless Otherwise Noted)

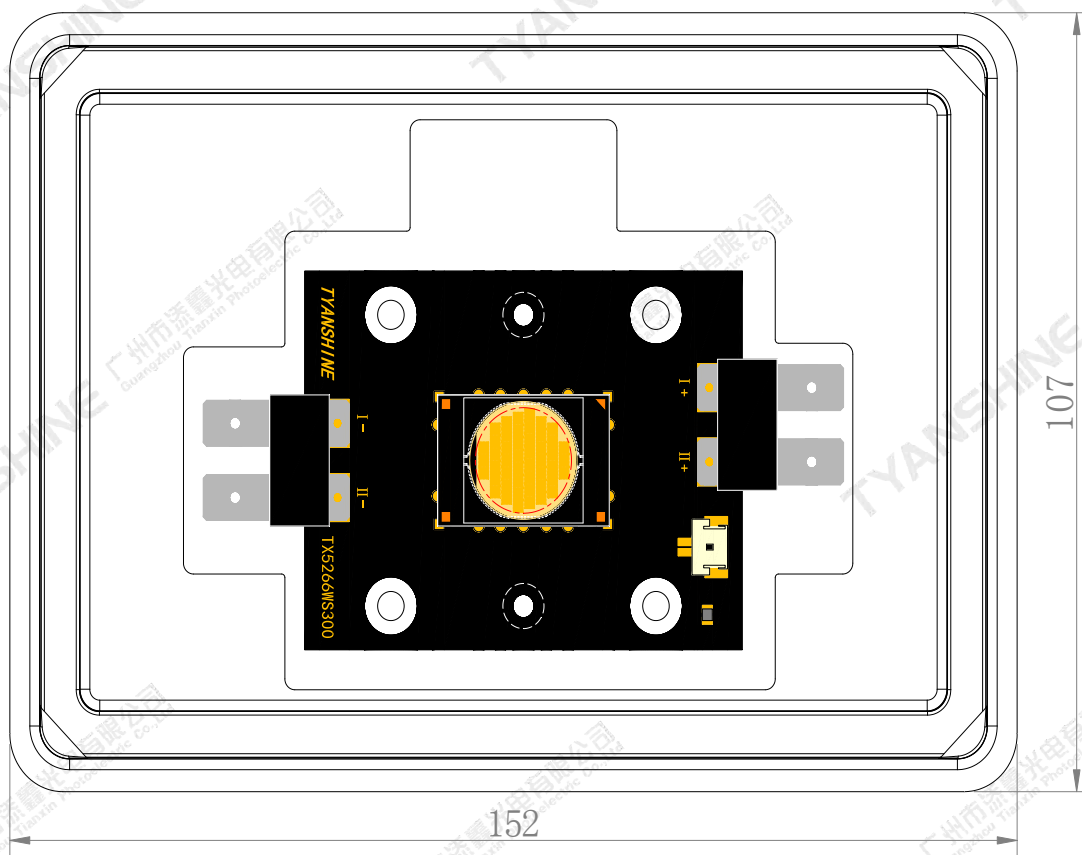


Notes: — White ; — Warm white.



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.