

TX-5266W300FC120-NUFENG-C01CH95

PRODUCT SPECIFICATION

Features:

- ◆Excellent transiting heat from LED chip operating under 10A.
- ◆High luminous output.
- ◆Encapsulated materials are environmentally certified and meet environmental requirements.

Chip Material:

- ◆GaInN

Emitting Color:

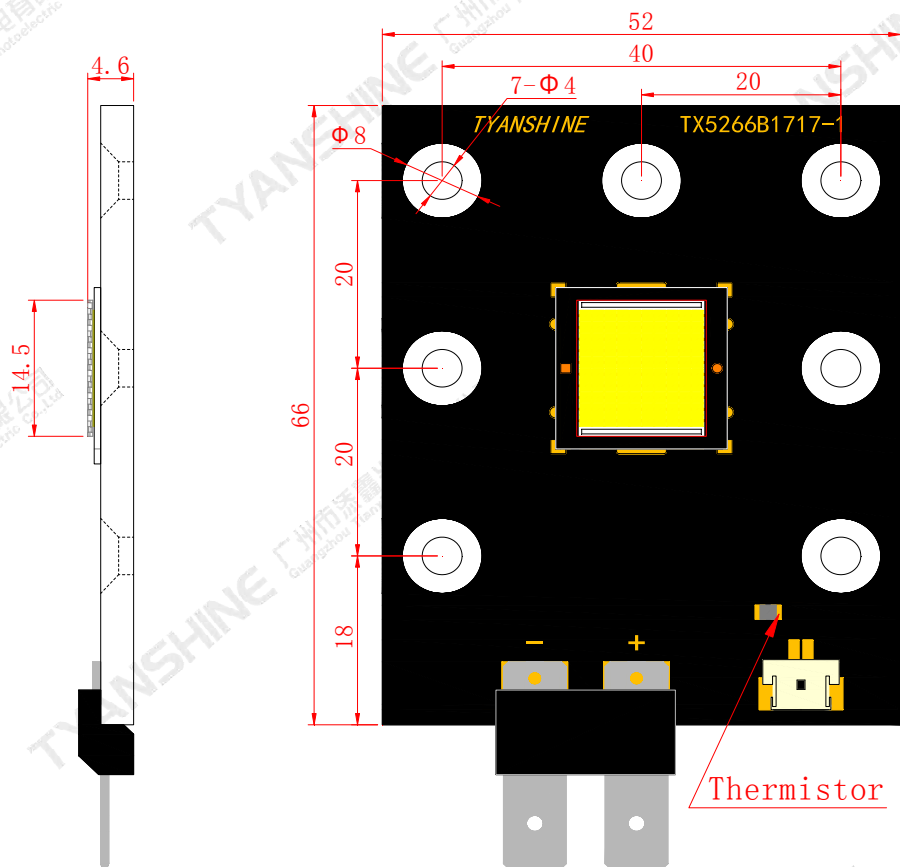
- ◆White

Applications:

- ◆Stage lighting
- ◆Landscape Lighting
- ◆Entertainment lighting

Part No.	TX-5266W300FC120-NUFENG-C01CH95	Spec No.	WKF-BE0870	Page	1 of 8
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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

Parameter	Symbol		Max Ratings	Unit
Forward Current	IF	W	10	A
Reverse Voltage	VR	—	Not designed for reverse operation	V
Power Dissipation	PD (Tc=25℃)	W	300	W
Junction Temperature	Tj	W	135	℃
Electrostatic Discharge Threshold (ESD)	ESD		2000	V
Storage Temperature	Tstg		-40~70	℃
Operation Temperature	Topr		-40~100	

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 (Ta=25℃)

Parameter	Symbol	Emitting Color	Min.	Typ.	Max.	Units
Luminous Flux	Φ_v	W	15000	17000	19000	lm
Correlated Colour Temperature	CCT	W	2950	3030	3220	K
Forward Voltage	V_f	W	30	32	34	V
Color Rendering Index	Ra	—	95	97	—	—
Reverse Current	I_R	—	—	—	—	μA
Viewing Angle at 50 % IV	$2\theta_{1/2}$	—	—	120	—	Deg
Thermal Resistance Junction to Case	$R\theta_{J-C}$	—	—	0.1	—	K/W
Temperature Coefficient of Voltage	$V\Delta F/T$	W	—	-3	—	mV/℃
Thermistor(NTC)	Rt25	—	—	10	—	K Ω

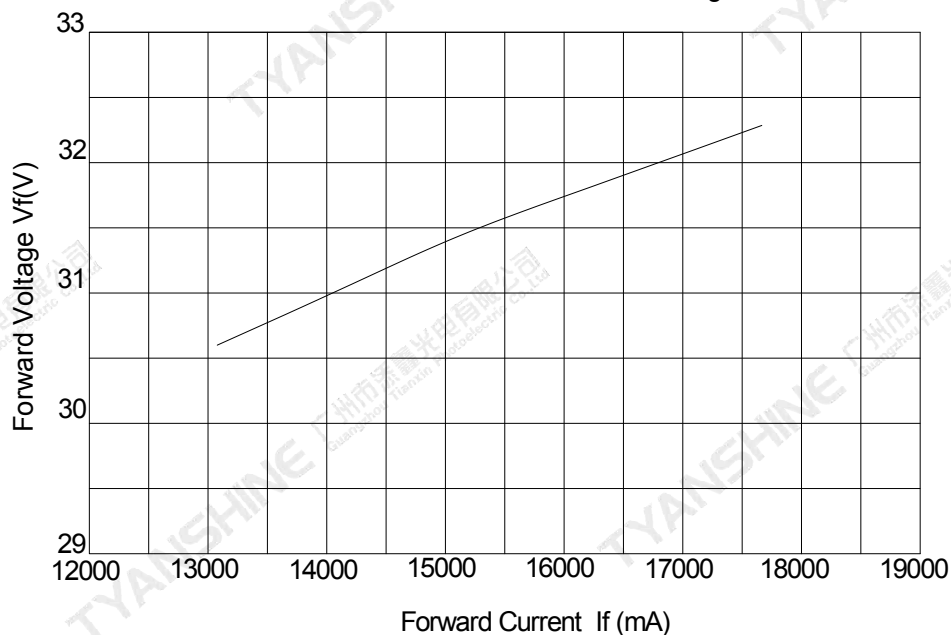
Notes:

- 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.The dominant wavelength (λ_d) is derived from the CIE chromaticity diagram and represents the single wavelength which defines the color of the device.
- 4.Luminous flux measurement tolerance: $\pm 15\%$.
- 5.Forward voltage measurement tolerance: $\pm 0.15V$.

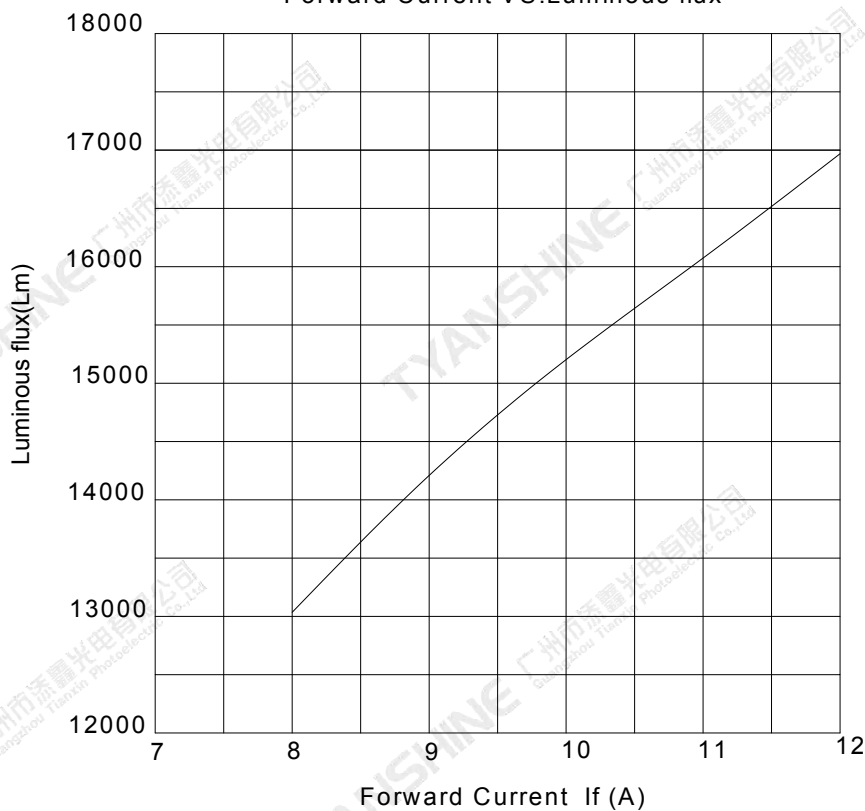
Typical Electrical/Optical Characteristics Curves

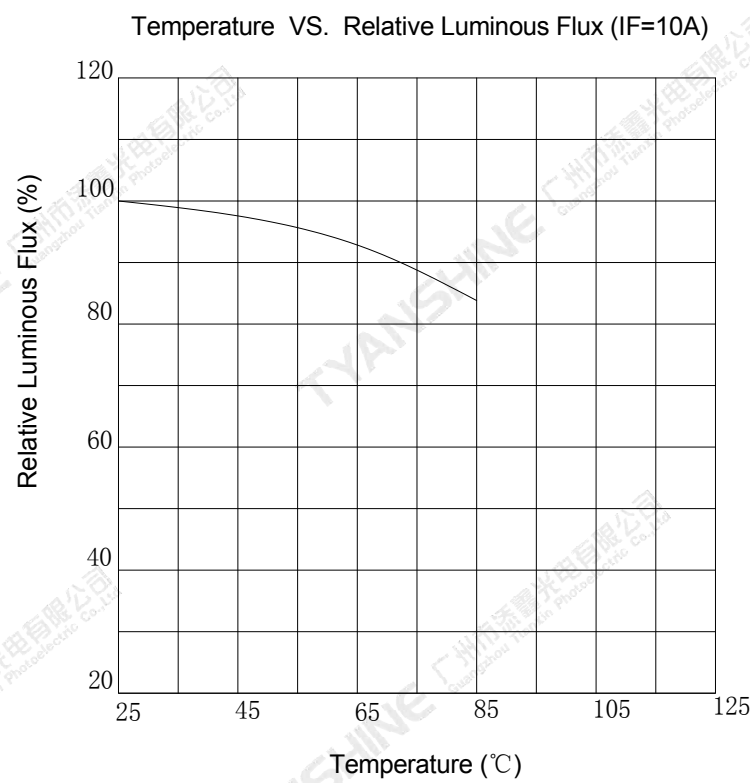
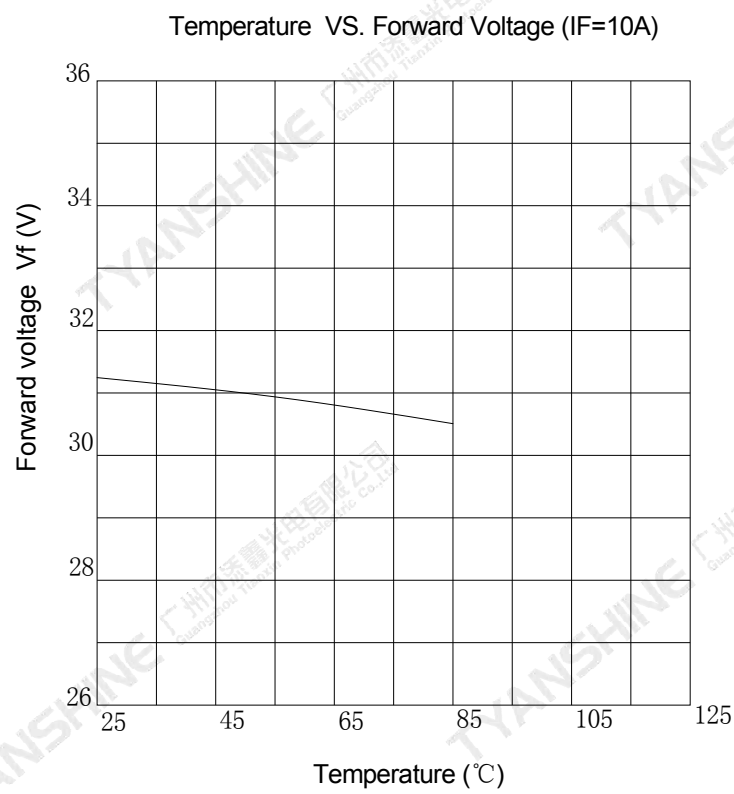
(25°C Ambient Temperature Unless Otherwise Noted)

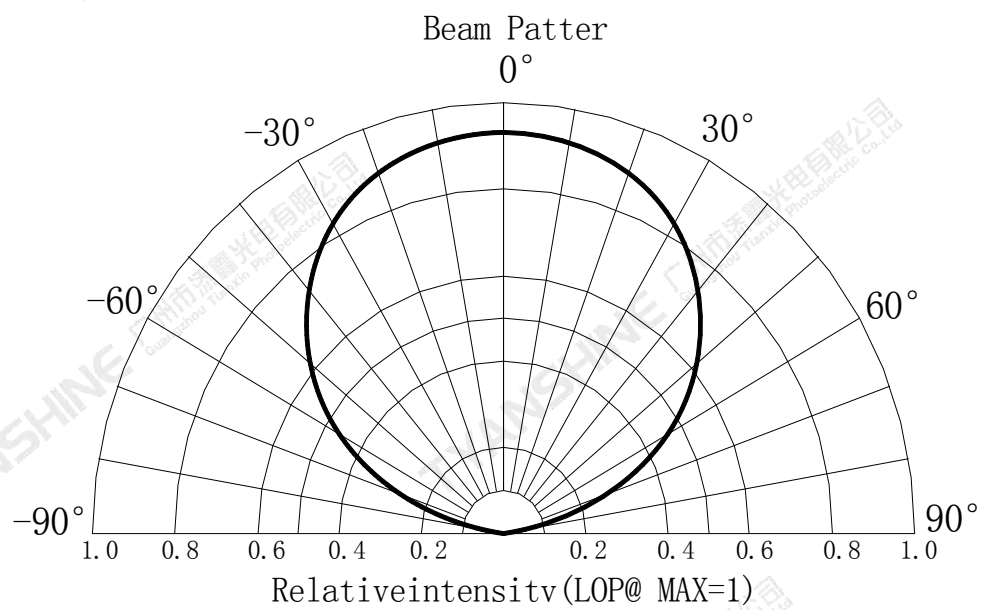
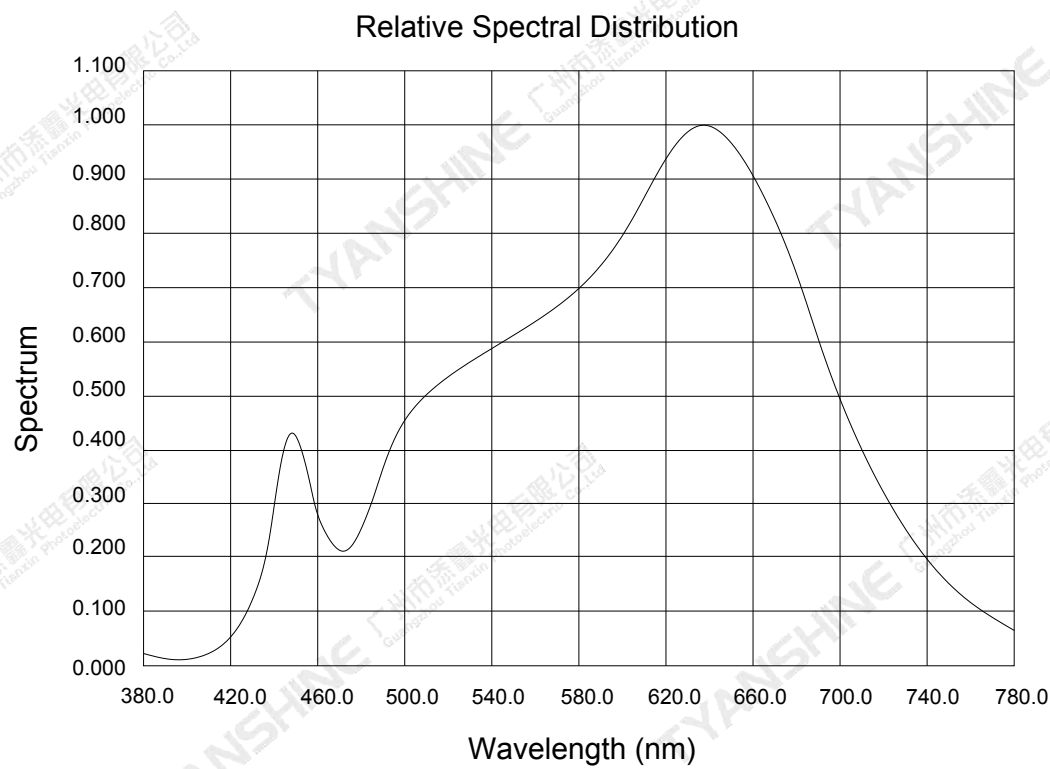
Forward Current VS. Forward Voltage



Forward Current VS. Luminous flux





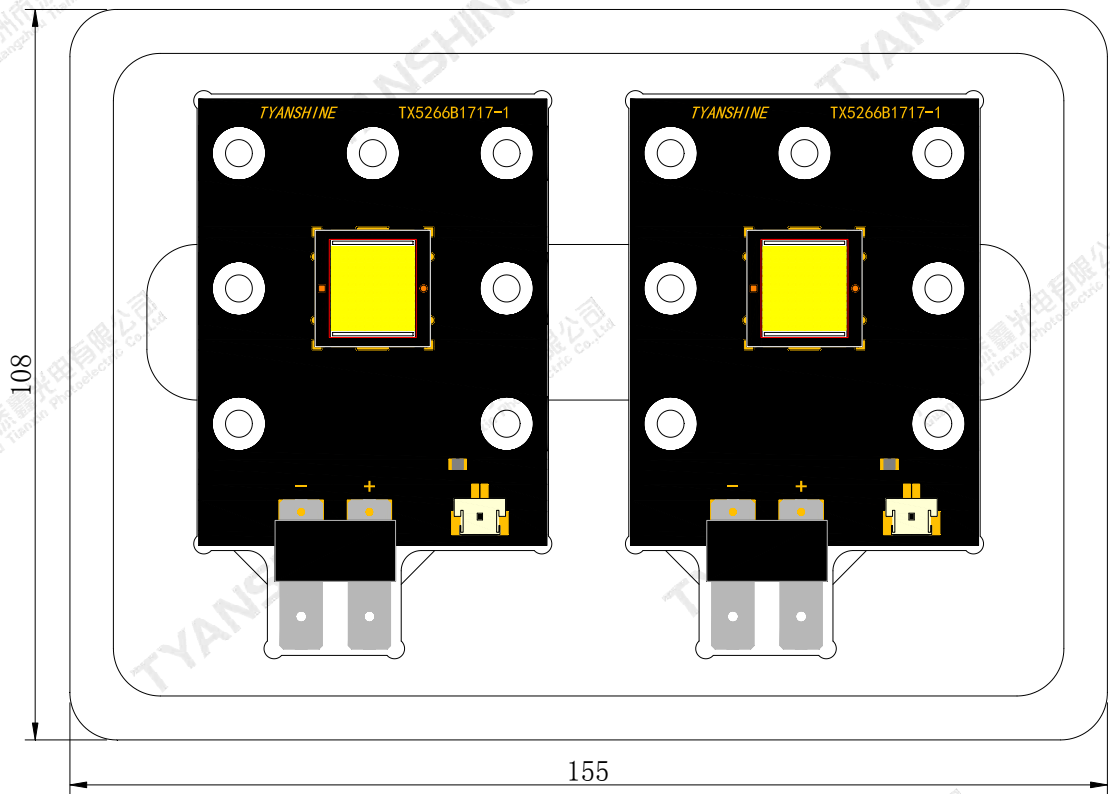


Notes:

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 ± 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.