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（W）

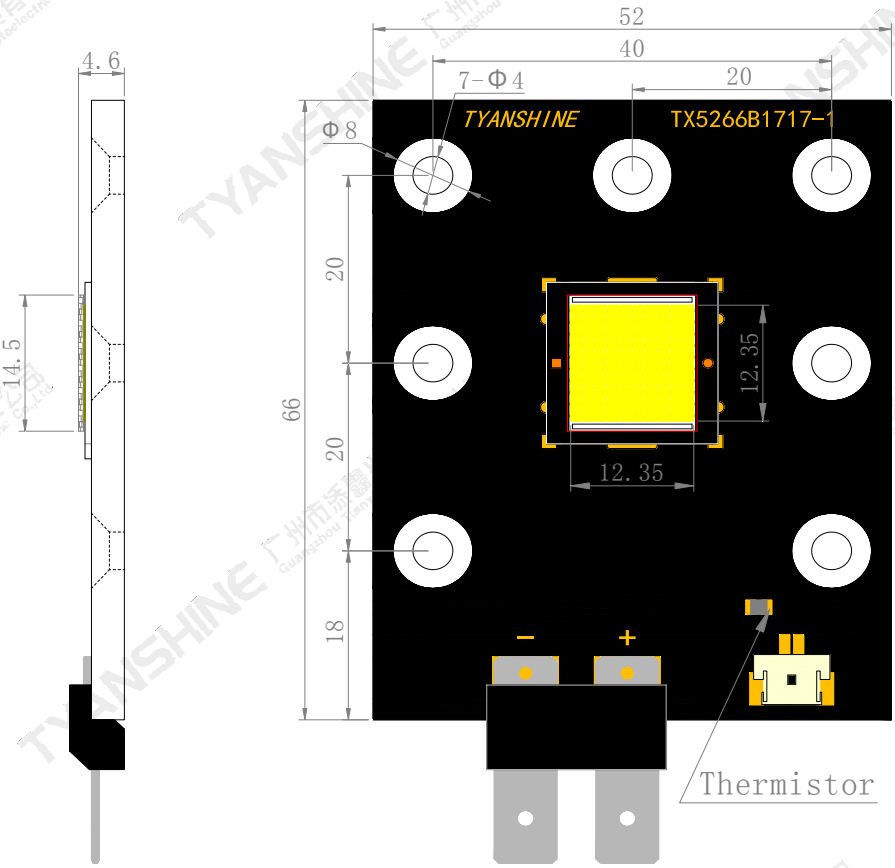
Applications:

◆Stage lighting

◆Landscape Lighting

◆Entertainment lighting

Package Dimensions:



Notes:

1.All dimensions are in millimeters .

2.Tolerances unless otherwise mentioned are ±0.1mm .

Absolute Maximum Ratings (Tc=25℃)

Parameter	Symbol	Max Ratings	Unit
Forward Current	IF	10	A
Reverse Voltage	V_R	Not designed for reverse operation	V
Power Dissipation	P_D	300	W
Junction Temperature	Tj	150	℃
Electrostatic Discharge Threshold (ESD)	ESD	2000	V
Storage Temperature	T_{stg}	-40~70	℃
Operation Temperature	T_{opr}	-40~85	

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 Tc=25℃，IF=10.0A

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△F/T	W	—	-3	—	mV/℃
Thermistor(NTC)	Rt25	—	—	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.The dominant wavelength (λd) is derived from the CIE chromaticity diagram and represents the single wavelength which defines the color of the device.

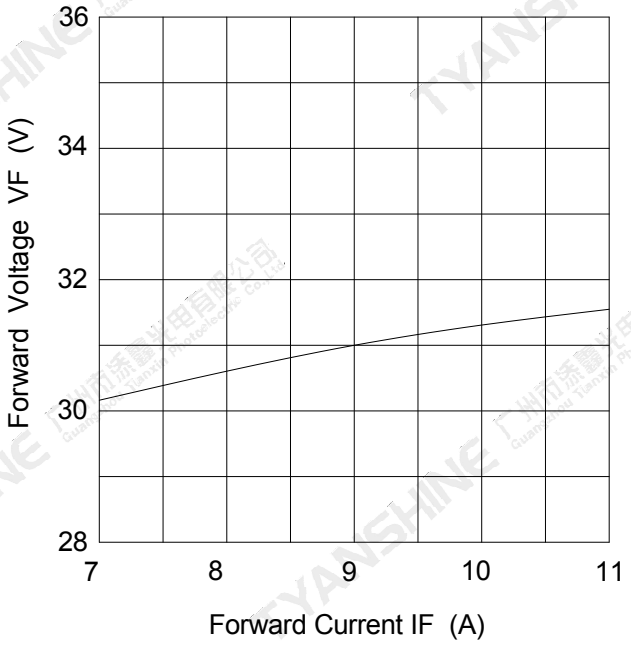
4.Luminous flux measurement tolerance:±15%.

5.Forward voltage measurement tolerance:±0.15V.

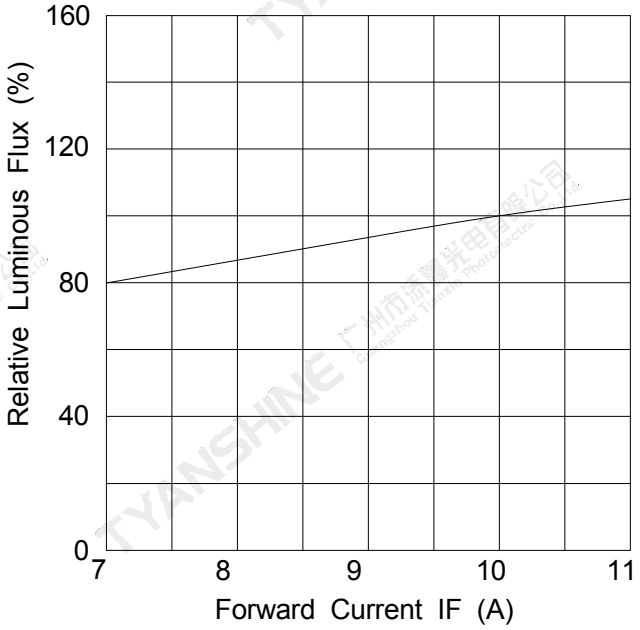
Typical Electrical/Optical Characteristics Curves

(25℃ Ambient Temperature Unless Otherwise Noted)

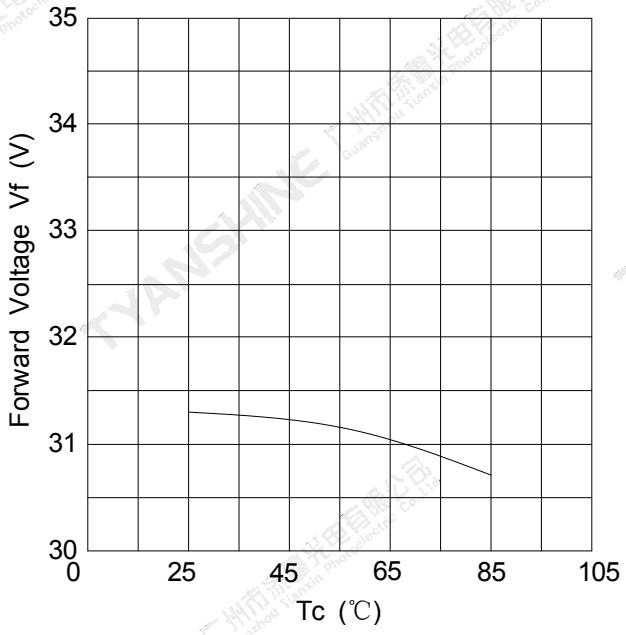
Forward Current VS. Relative Forward Voltage



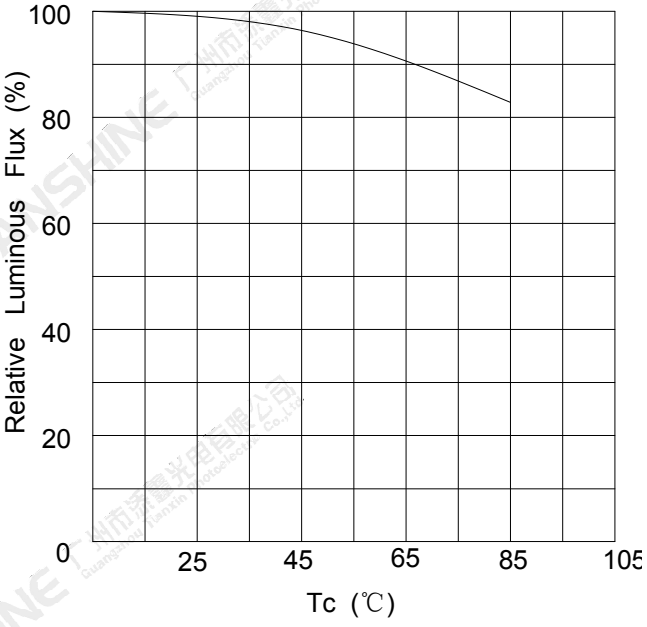
Forward Current VS. Relative Luminous Flux

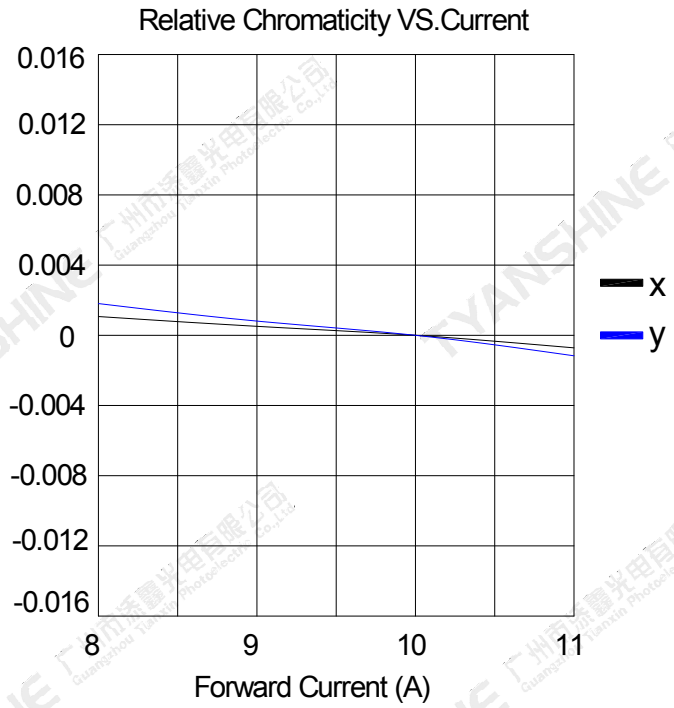


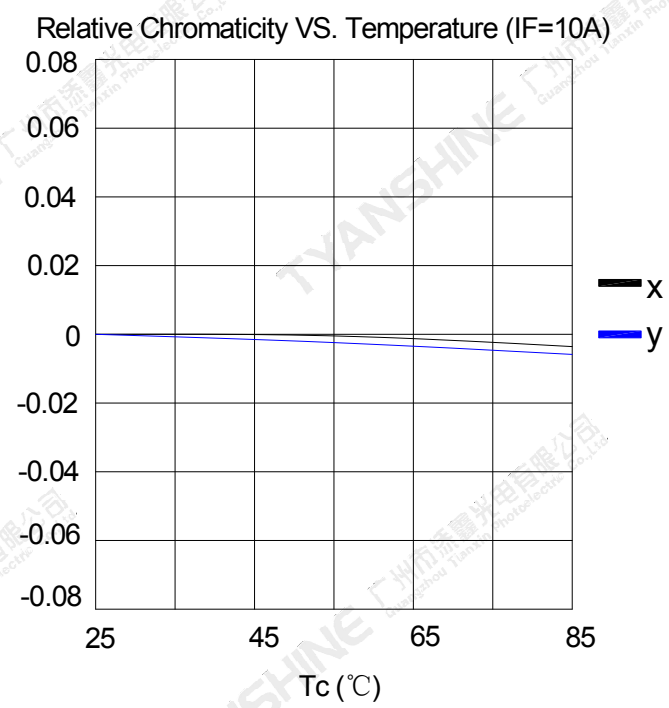
Temperature VS. Relative Luminous FLux (IF=10A)

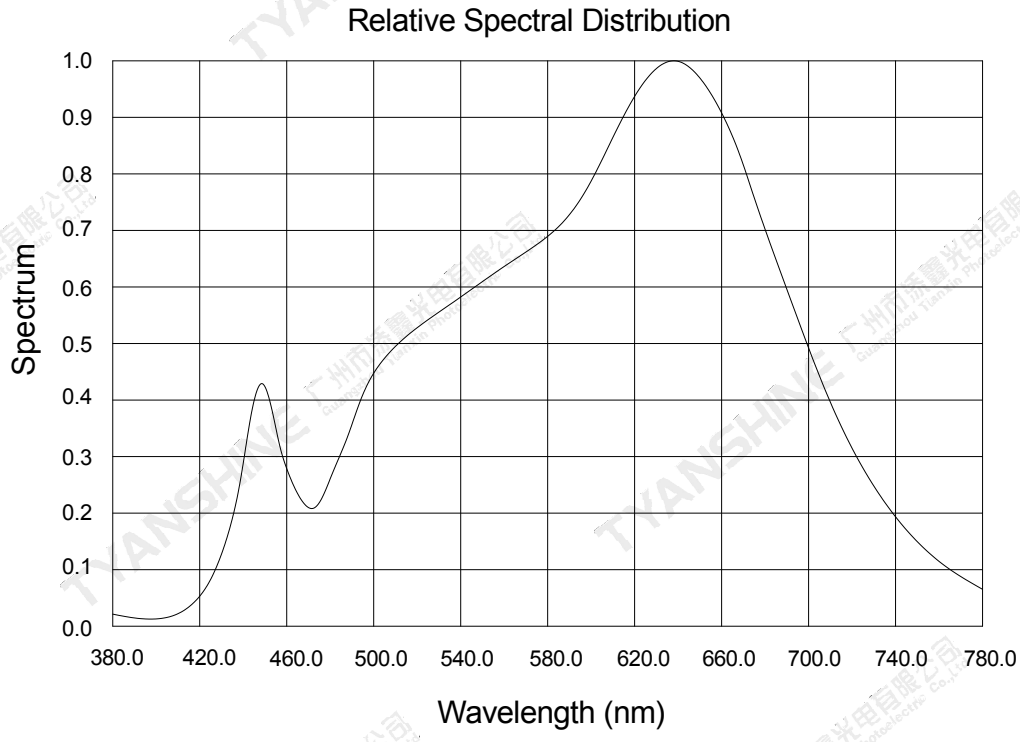


Temperature VS. Forward Voltage (IF=10A)







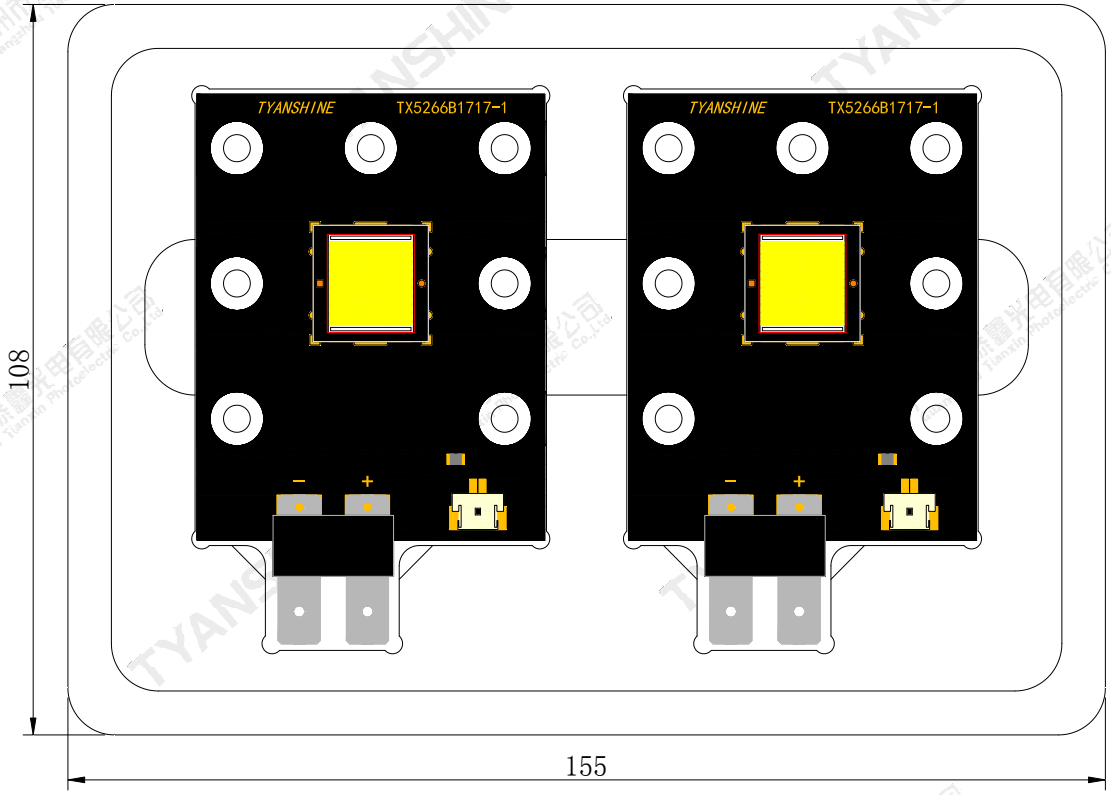


Notes:

1. 2θ 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 ± 5°.

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.