

TX-1919W40FC120-NUFENW-B01

PRODUCT SPECIFICATION

Features:

- ◆Excellent transiting heat from LED chip operating under 1.0A.
- ◆High luminous output.
- ◆No UV.
- ◆Encapsulated materials are environmentally certified and meet environmental requirements.

Chip Material:

- ◆GaInN

Emitting Color:

- ◆white

Applications:

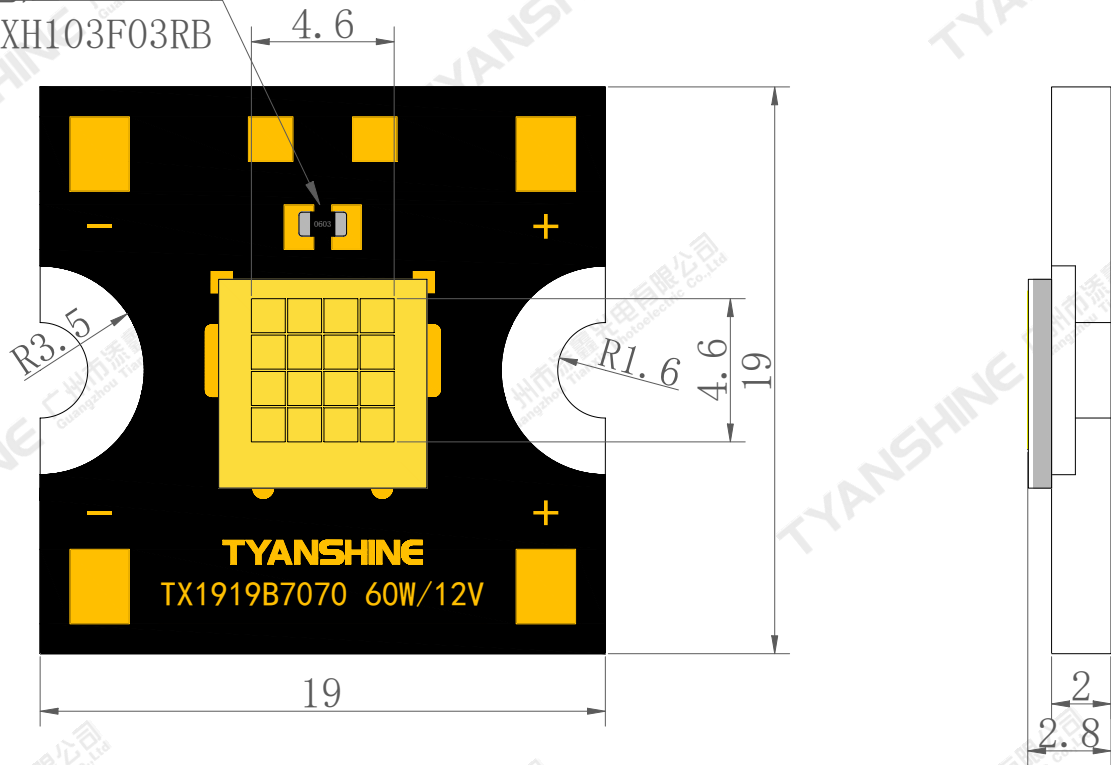
- ◆Auxiliary lighting
- ◆Architectural lighting

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Package Dimensions:

热敏电阻:

NCP18XH103F03RB



Notes:

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

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Absolute Maximum Ratings (Tc=25℃)

Parameter	Symbol	Ratings	Unit
Forward Current	IF	4.0	A
Reverse Voltage	VR	Not designed for reverse operation	V
Power Dissipation	PD	50	W
Junction Temperature	Tj	150	℃
Electrostatic Discharge Threshold (ESD)	ESD	2000	V
Storage Temperature	Tstg	-20~+70	℃
Operation Temperature	Topr	-30~+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.

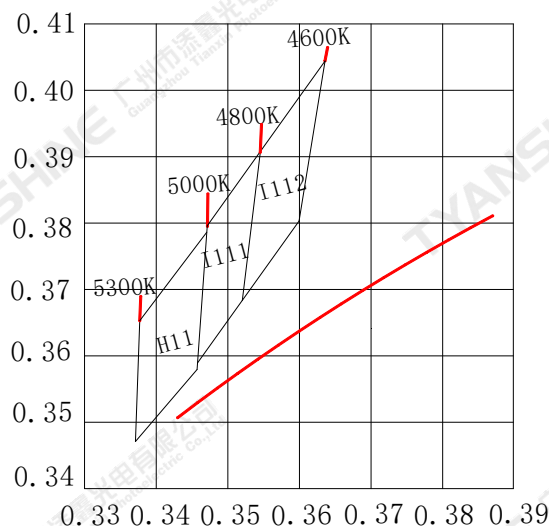
Electrical Optical Characteristics (Tc=25°C)

Parameter	Symbol	Condition	Min.	Typ.	Max.	Units
Luminous Flux	ϕ_v	If=1.0A	1650	1850	2050	lm
Correlated Colour Temperature	CCT		4600	—	5300	K
Forward Voltage	V_f		10	11.5	13	V
Viewing Angle at 50 % IV	$2\theta_{1/2}$		—	120	—	Deg
Reverse Current	I_R		—	—	—	μA
Thermal Resistance Junction to Case	$R\theta_{J-C}$	—	—	0.26	—	K/W
Color Rendering Index	Ra	—	70	—	75	—
Temperature Coefficient of Voltage	$V\Delta F/T$	If=1.0A	—	-8.5	—	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.

White light Color coordinate filing (Tc=25°C IF=1.0A)

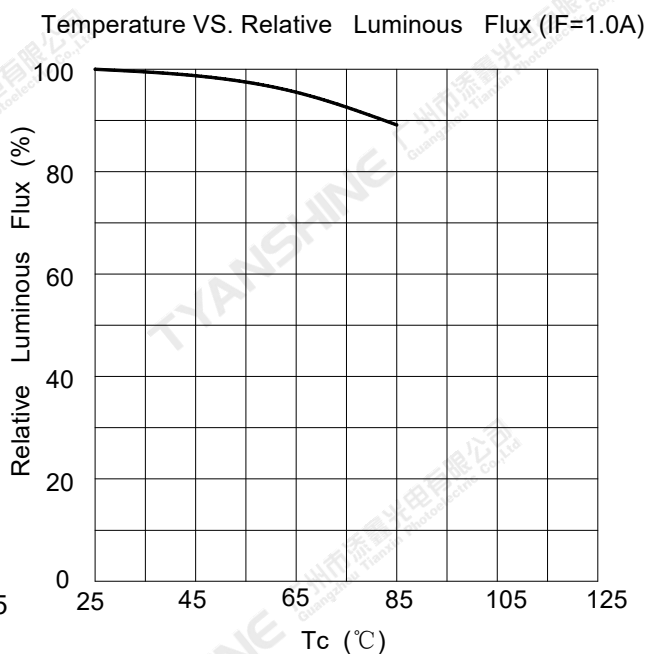
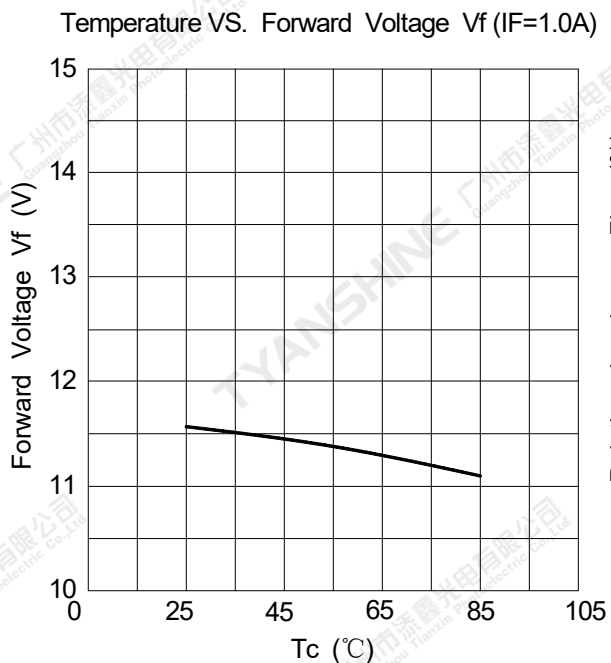
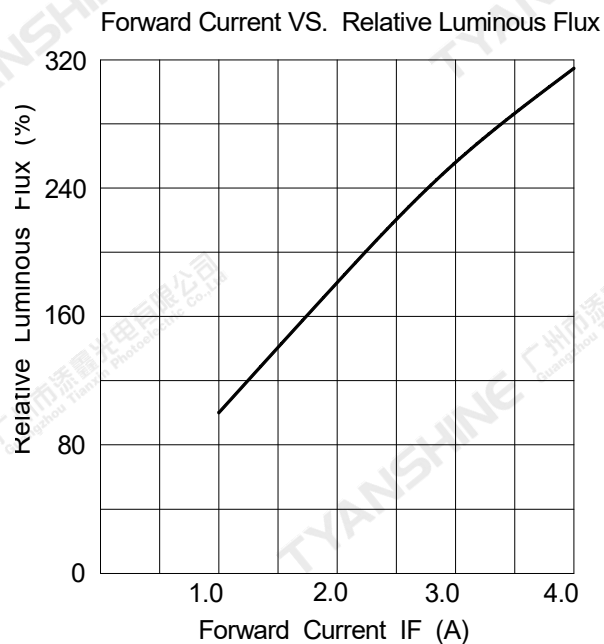
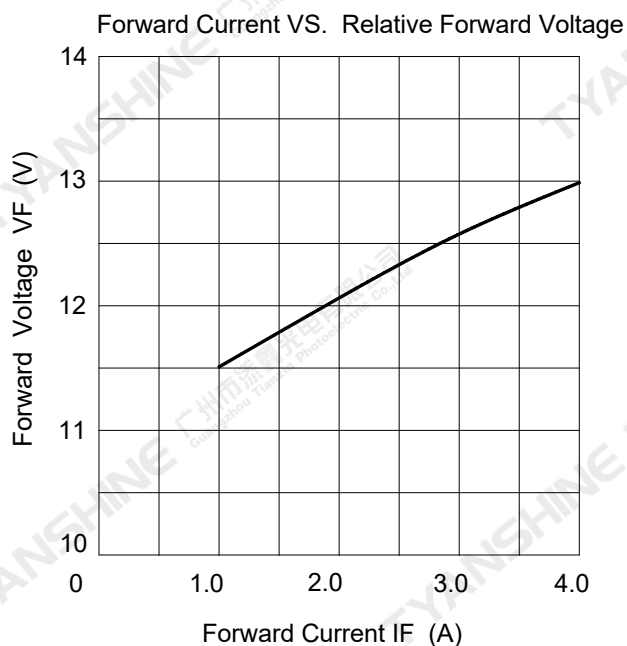


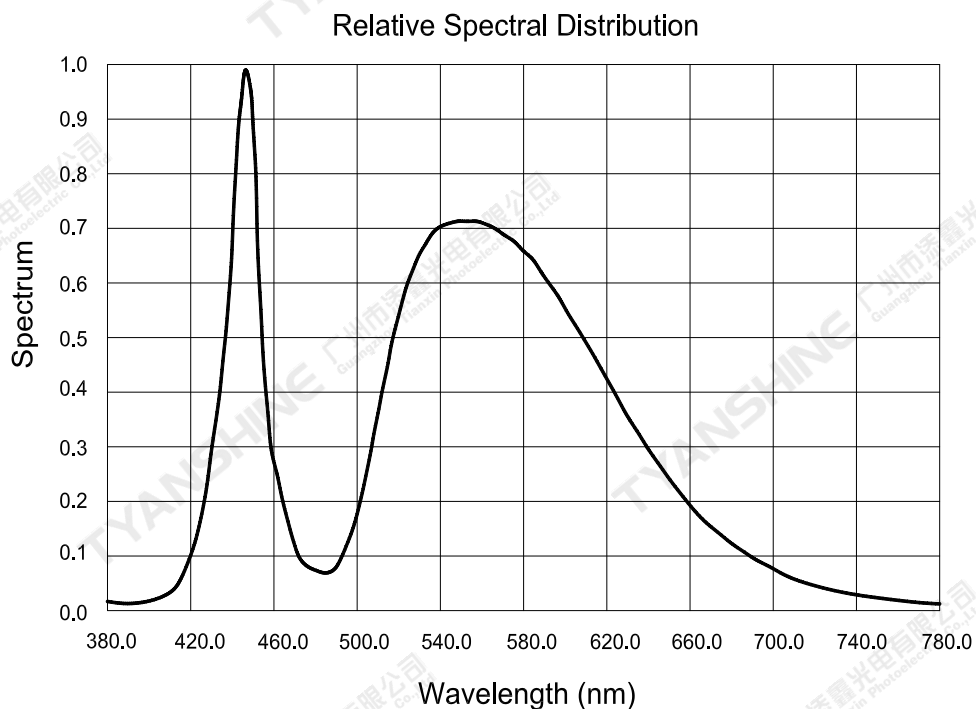
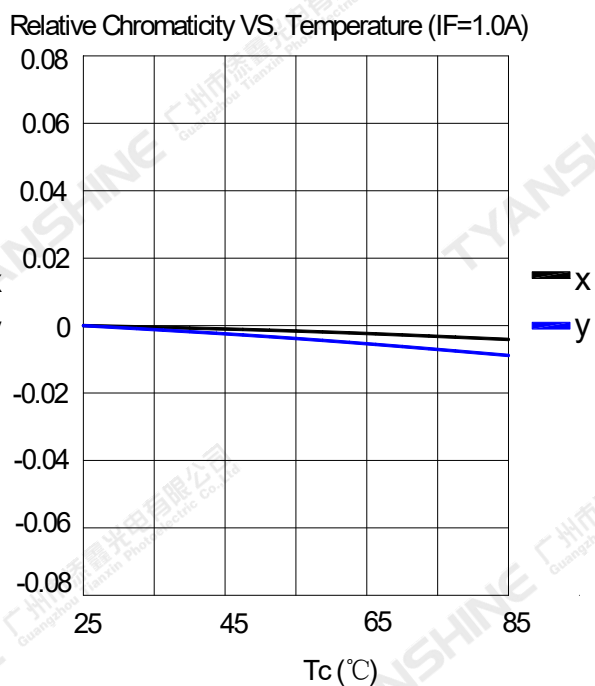
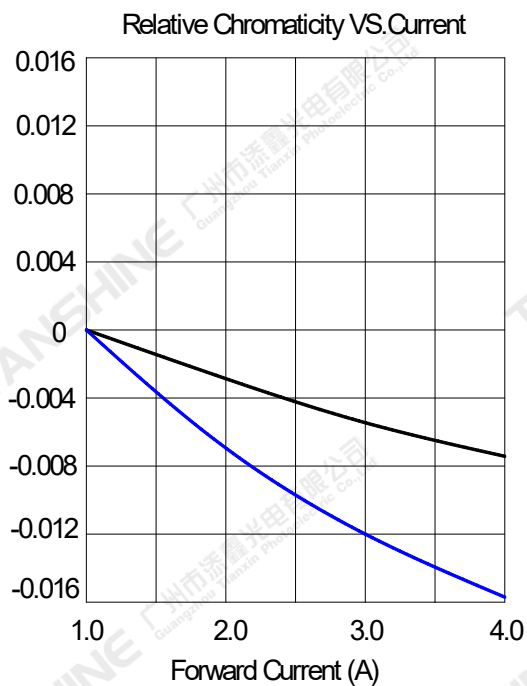
Grade	TC	P1		P2		P3		P4	
		X1	Y1	X2	Y2	X3	Y3	X4	Y4
I112	4600-4800K	0.3599	0.3803	0.3636	0.4044	0.3546	0.3908	0.3520	0.3684
I111	4800-5000K	0.3520	0.3684	0.3546	0.3908	0.3471	0.3796	0.3458	0.3589
H11	5000-5300K	0.3457	0.3579	0.3471	0.3786	0.3377	0.3653	0.3371	0.3471

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Typical Electrical/Optical Characteristics Curves

(25°C Ambient Temperature Unless Otherwise Noted)

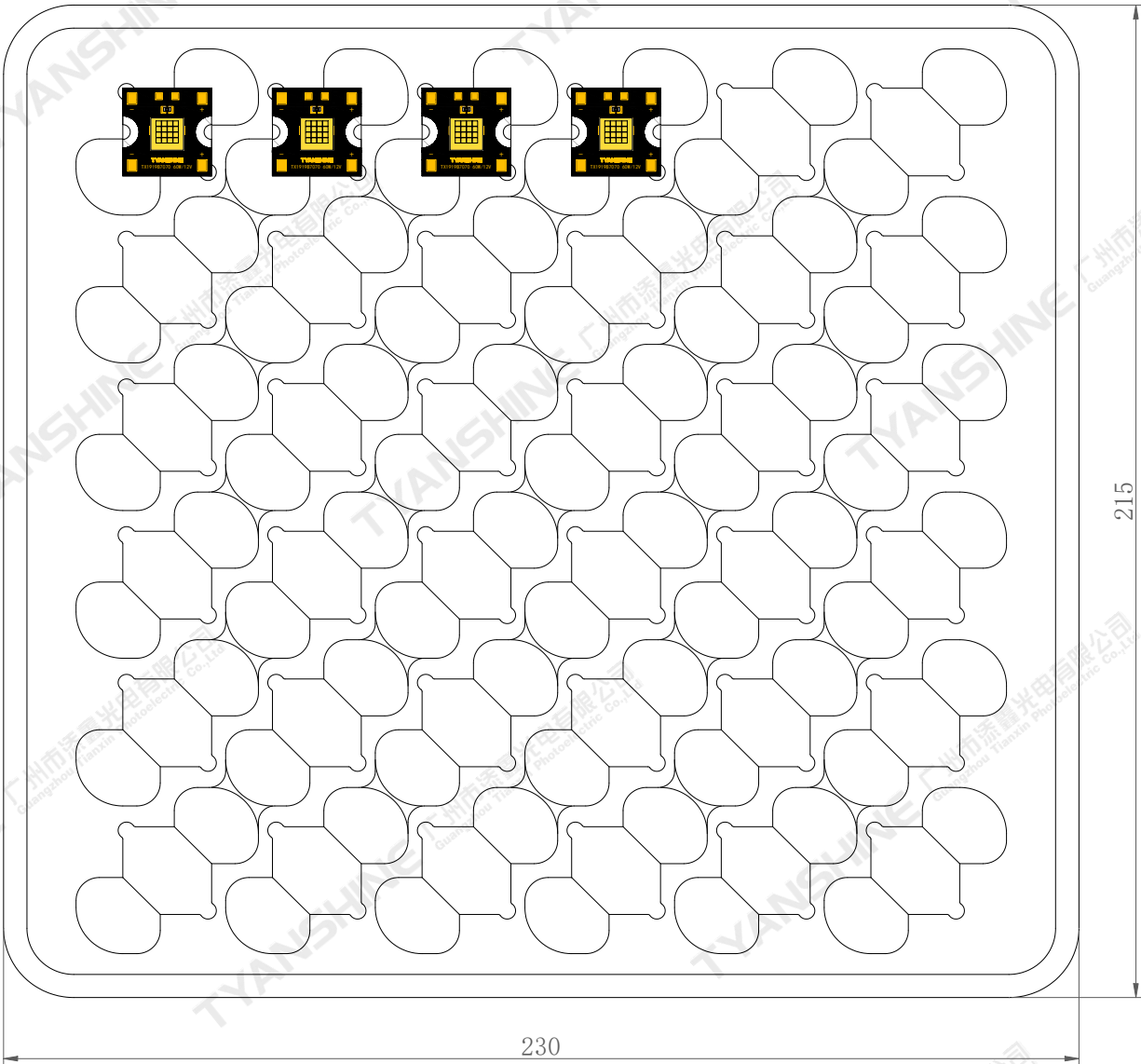


**Notes:**

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:36 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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