

TX-H2560SW21A-2770V36-03H95

PRODUCT SPECIFICATION

Features:

- ◆Excellent transiting heat from LED chip operating under 2800mA.
- ◆Provide uniform cross distribution of positive white and warm white dual color scheme, mixed pure.
- ◆High luminous output.
- ◆No UV.
- ◆Encapsulated materials are environmentally certified and meet environmental requirements.

Chip Material:

- ◆GaInN

Emitting Color:

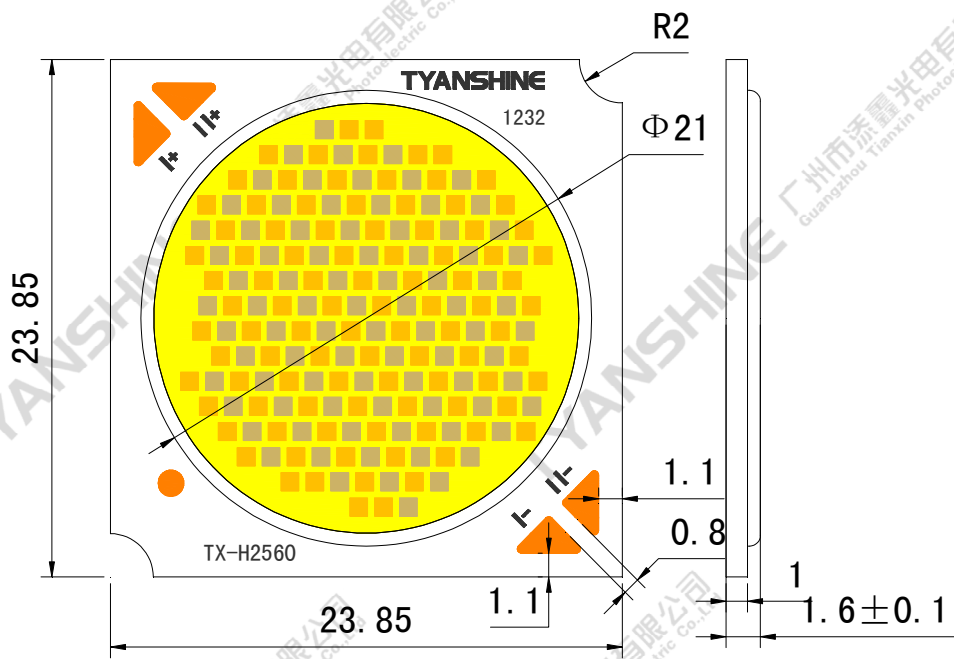
- ◆White
- ◆Warm white

Applications:

- ◆Commercial lighting
- ◆General Lighting

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Package Dimensions:



I: Warm white ; II: White

Notes:

- 1.All dimensions are in millimeters .
- 2.Tolerances unless otherwise mentioned are ±0.25mm .

Code Formats:

TX-H2560SW21A-2770V36-03H95

TX	—	H	25	60	SW	21	A	—	2770	V36	—	03	H95
TYANSHINE	—	high density	series	watt typ	performance	LES	texture	—	CCT	VOLTs	—	BOM	Ra

Absolute Maximum Ratings

Parameter	Symbol	Ratings	Unit
Forward Current	IF	2800	mA
Reverse Voltage	V _R	Not designed for reverse operation	V
Power Dissipation	P _D	W	W
		S	
		S+W	
Junction Temperature	T _j	W	℃
		S	
Case Temperature (C)	T _c	85	℃
Electrostatic Discharge Threshold (ESD)	ESD	2000	V
Storage Temperature	T _{stg}	-30~+100	℃
Operation Temperature	T _{opr}	-30~+80	

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)

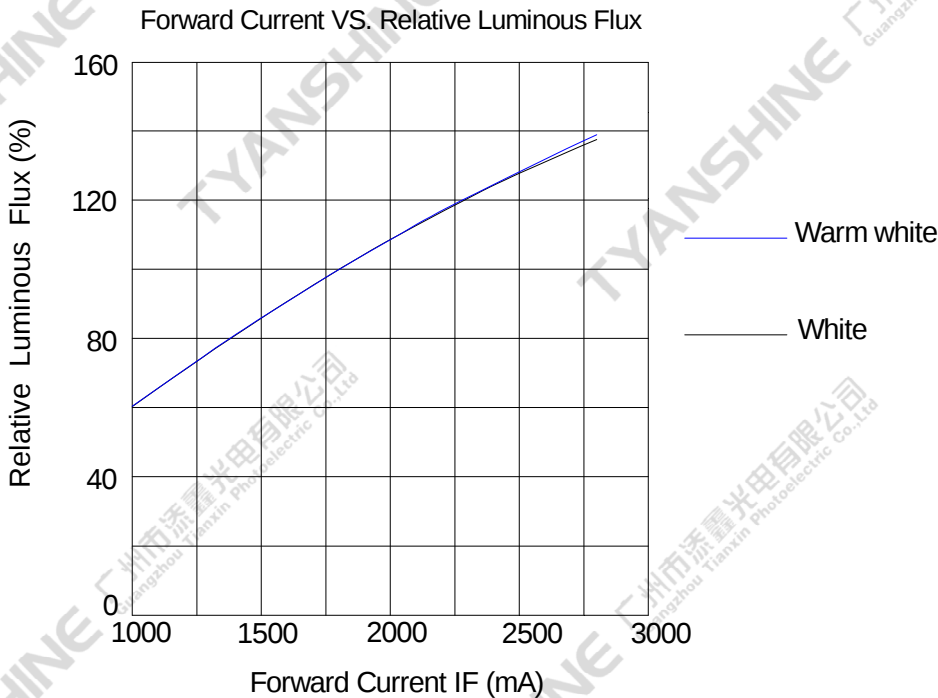
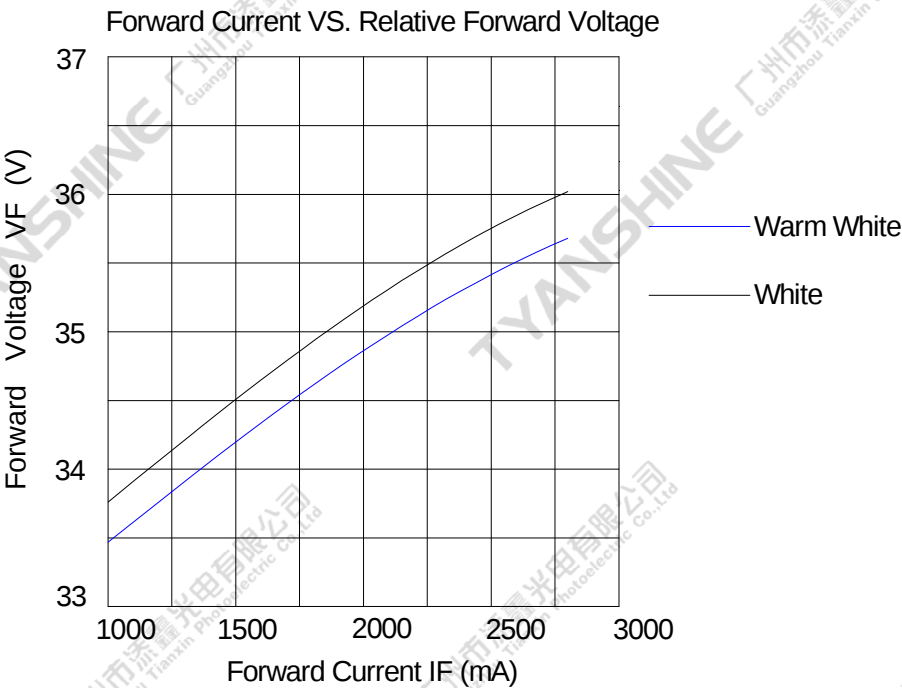
Parameter	Symbol	Condition	Emitting color	Min.	Typ.	Max.	Units	
Luminous Flux	ϕ_v	If=1800mA	S	—	4450	—	lm	
			W	—	6100	—		
Forward Voltage	V_f		S	33	35	37	V	
			W	33	35	37		
Correlated Colour Temperature	CCT		S	2600	2670	2740	K	
			W	6600	6900	7200		
Viewing Angle at 50 % IV	$2\theta_{1/2}$		S	—	115	—	Deg	
			W	—	115	—		
Reverse Current	I_R		—	—	—	—	μ A	
Thermal Resistance Junction to Case	$R\theta_{J-C}$		If=1800mA	S	—	0.11	—	K/W
				W	—	0.12	—	
Temperature Coefficient of Voltage	$V\Delta F/T$	S		—	-13.2	—	mV/°C	
		W		—	-13.2	—		
Color Rendering Index	Ra	S		—	95	—	—	
		W		—	95	—		

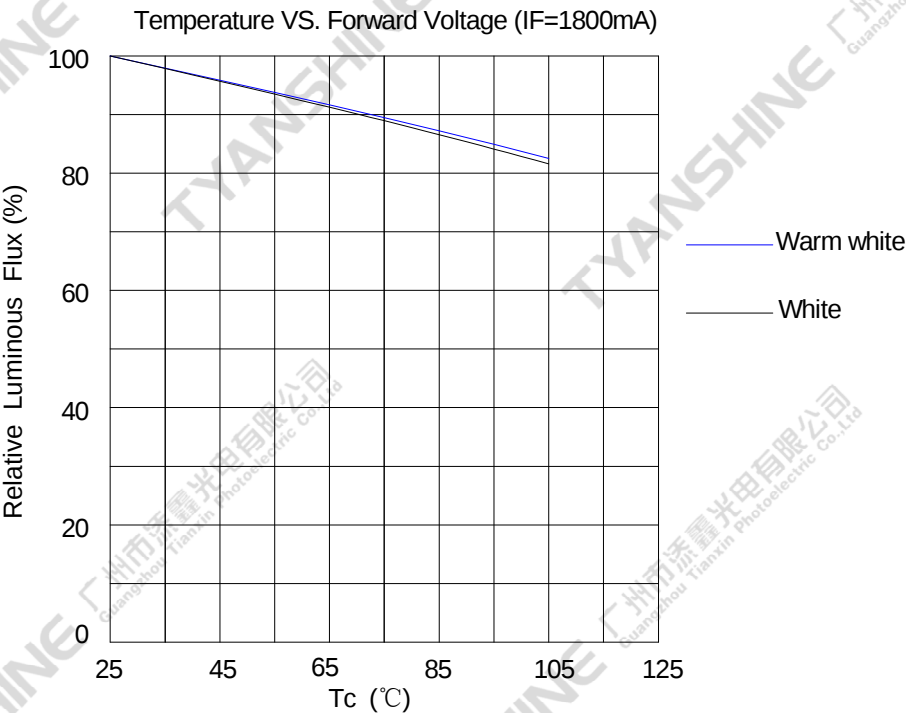
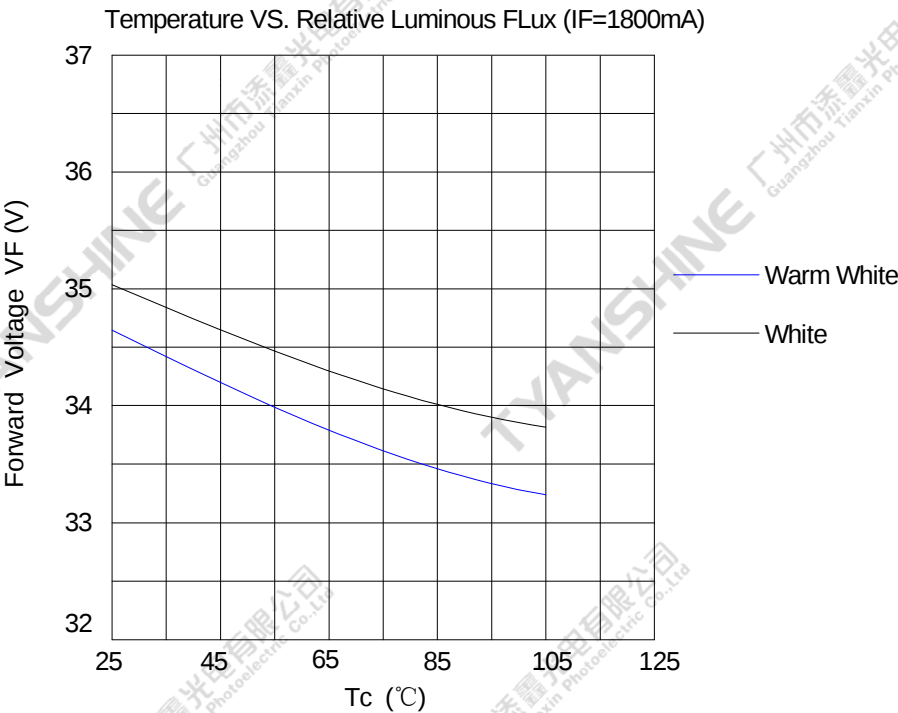
Notes:

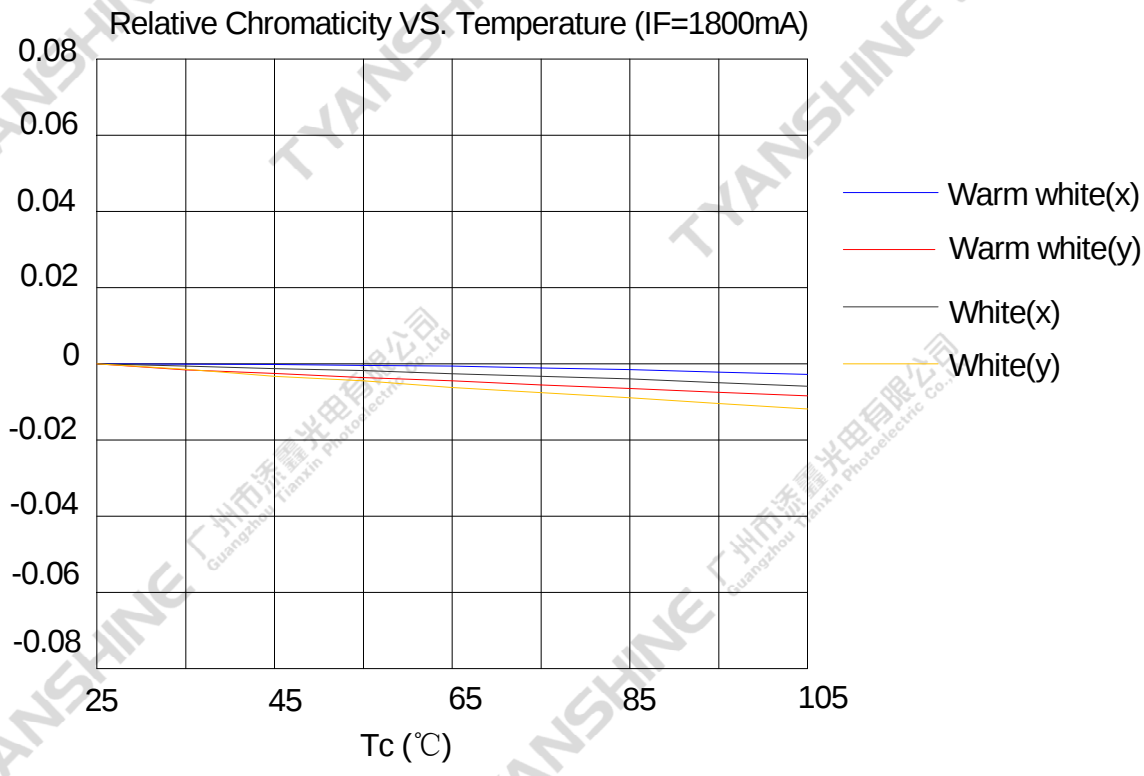
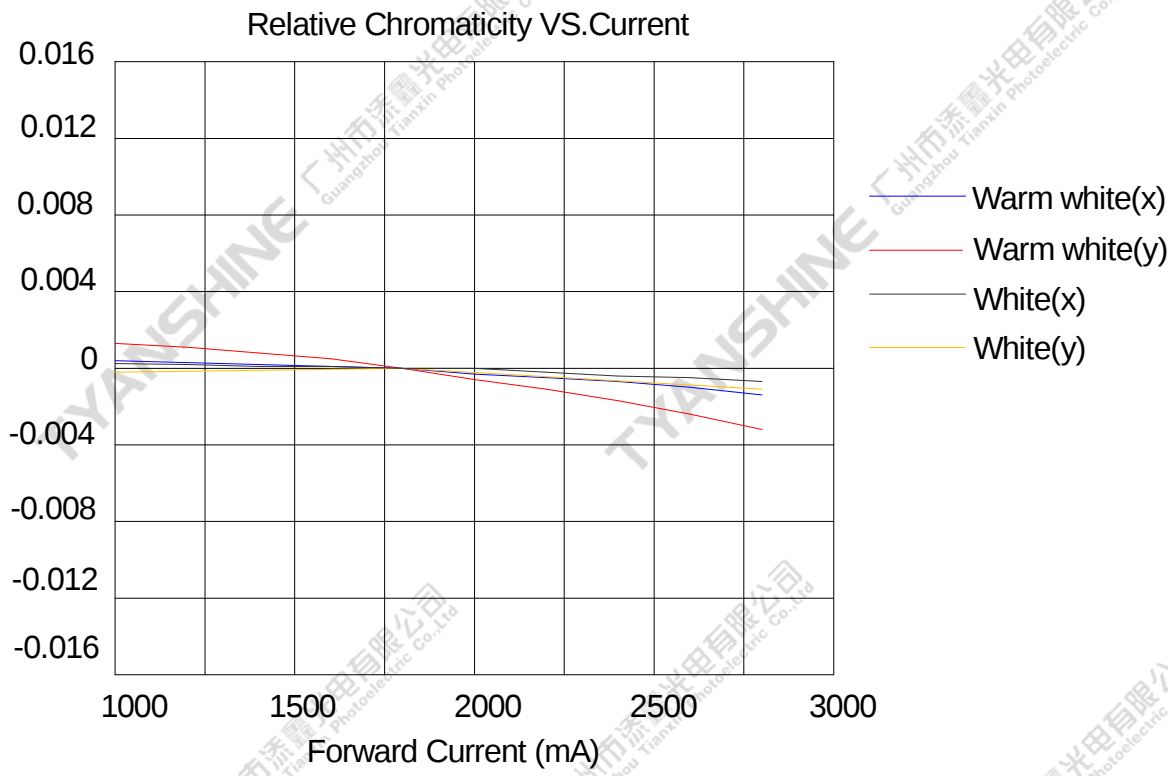
- 1.Luminous intensity is measured with a light sensor and filter combination that approximates the CIE eye-response curve.
2. $\theta_{1/2}$ is the off-axis angle at which the luminous intensity is half the axial luminous intensity.
- 3.Luminous flux measurement tolerance: $\pm 15\%$.
- 4.Forward voltage measurement tolerance: $\pm 3\%$.
- 5.Ra measurement tolerance: ± 2 .

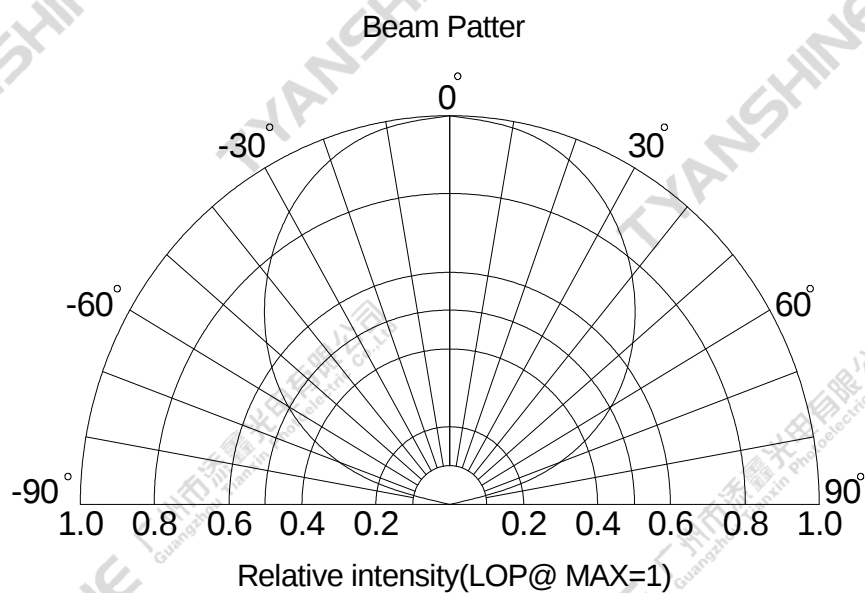
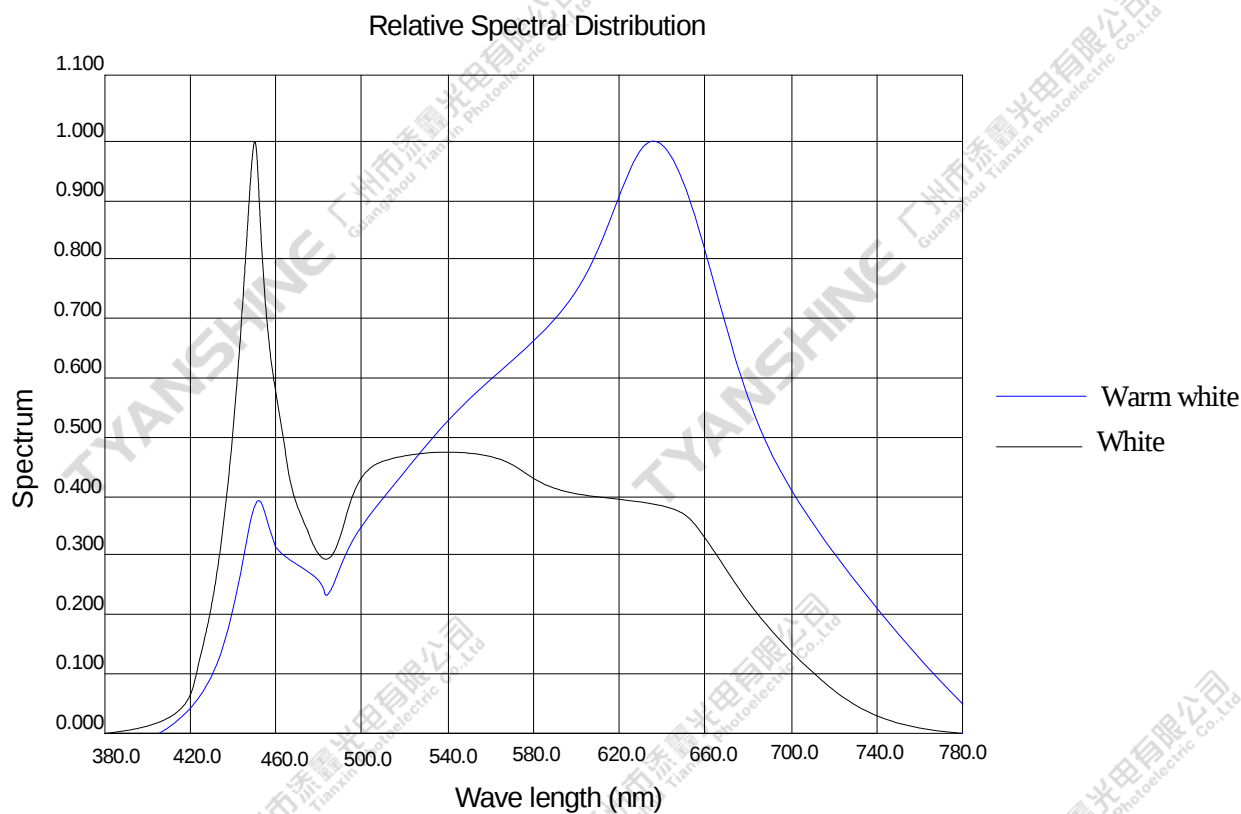
Typical Electrical/Optical Characteristics Curves

(25°C Ambient Temperature Unless Otherwise Noted)







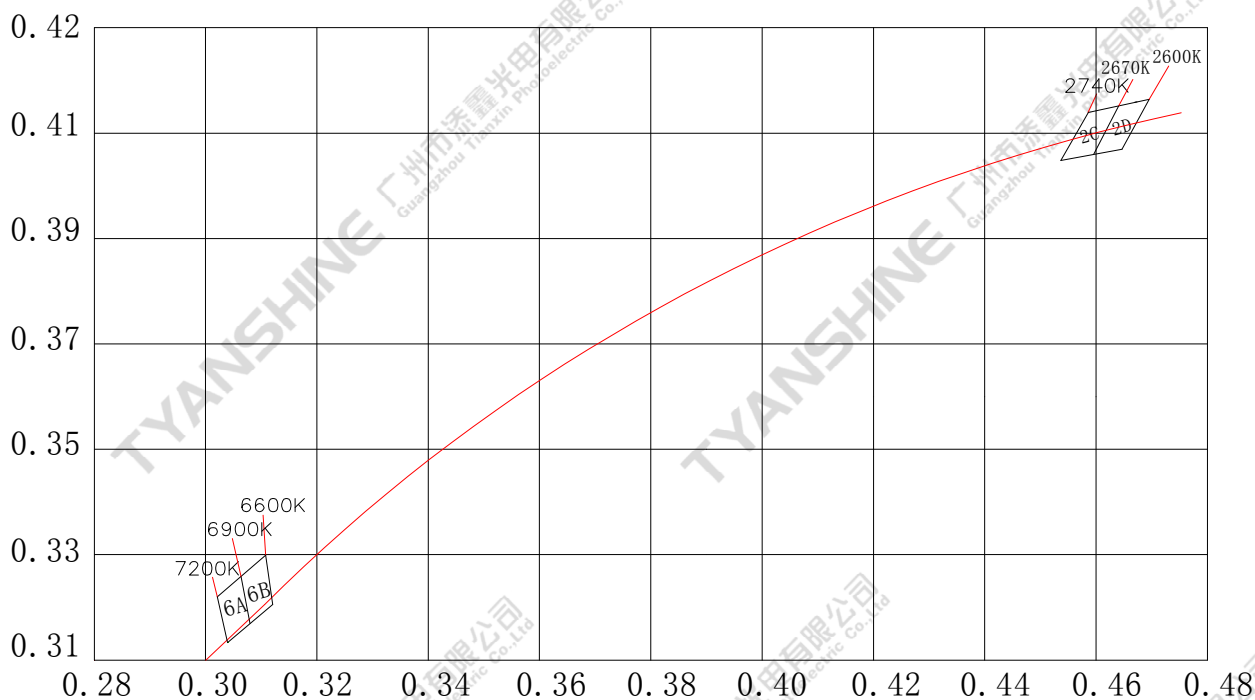


Notes:

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 $\pm 5^\circ$.

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Chromaticity Coordinates (Condition : IF=1800mA , Tc=25℃)



Region	CCT Range		X1	Y1	X2	Y2	X3	Y3	X4	Y4
	Min	Max								
2D	2600	2670	0.4695	0.4164	0.4646	0.4070	0.4596	0.4060	0.4641	0.4152
2C	2670	2740	0.4641	0.4152	0.4596	0.4060	0.4537	0.4048	0.4586	0.4139
6B	6600	6900	0.3108	0.3299	0.3121	0.3206	0.3080	0.3170	0.3063	0.3259
6A	6900	7200	0.3063	0.3259	0.3080	0.3170	0.3039	0.3133	0.3021	0.3220

Notes:

1.chromaticity (x, y) measurements tolerance: ± 0.005 .

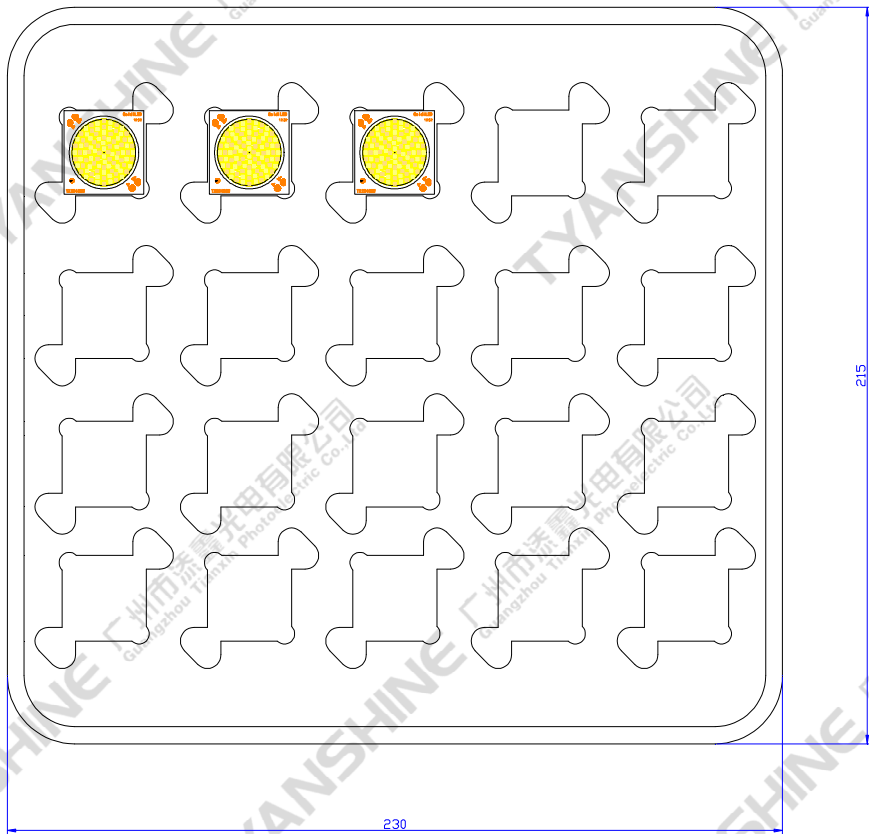
Reliability Test

Test Item	Test Condition
Continuous Operation Test	IF=1800mA Ta=25℃ ×1000hrs
Low Temperature Storage Test	-30℃ × 1000 hours
High Temperature Storage Test	100 ℃ × 1000 hours
Moisture-proof Test	85 ℃, 85 %RH for 500 hours
Thermal Shock Test	-30 ℃ × 30 minutes – 100 ℃ × 30 minutes, 100 cycle

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Dimensions For Cannulation And Packaging

Quantity: 20PCS



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, Irre sponsible of the Company.