

TX-H1825SW14A-2860V36-03H95

PRODUCT SPECIFICATION

Features:

- ◆Excellent transiting heat from LED chip operating under 1100mA.
- ◆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:

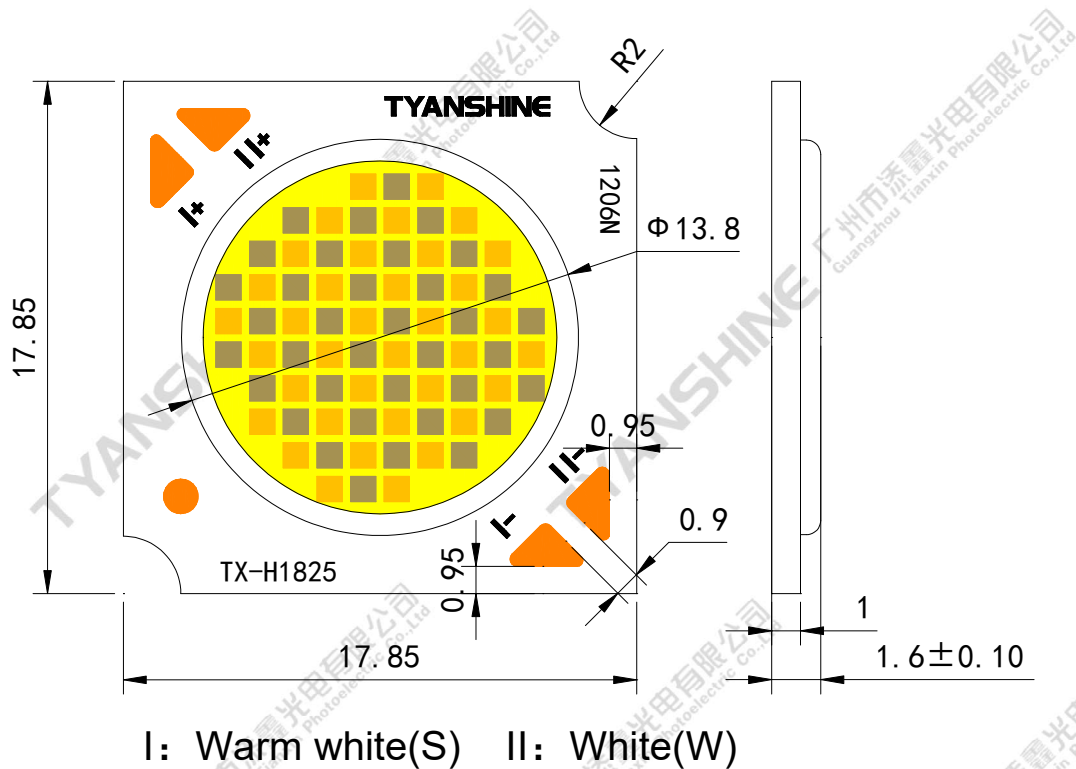
- ◆White
- ◆Warm white

Applications:

- ◆Commercial lighting
- ◆General Lighting

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Package Dimensions:



Notes:

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

Code Formats:

TX-H1825SW14A-2860V36-03H95

TX	—	H	18	25	SW	14	A	—	2860	V36	—	03	H95
TYANSHINE	—	high density	series	watt typ	performance	LES	texture	—	CCT	VOLTs	—	BOM	Ra
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Absolute Maximum Ratings

Parameter	Symbol		Ratings	Unit
Forward Current	IF		1100	mA
Reverse Voltage	VR		Not designed for reverse operation	V
Power Dissipation	PD	W	39	W
		S	39	
		S+W	39	
Junction Temperature	Tj	W	150	℃
		S	150	
Case Temperature (C)	Tc		85	℃
Electrostatic Discharge Threshold (ESD)	ESD		2000	V
Storage Temperature	Tstg		-30~+80	℃
Operation Temperature	Topr		-30~+85	

Notes:

- Specifications are subject to change without notice.
- The data on this specification is for reference only and the actual data is in accordance with the acknowledgment.
- 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)

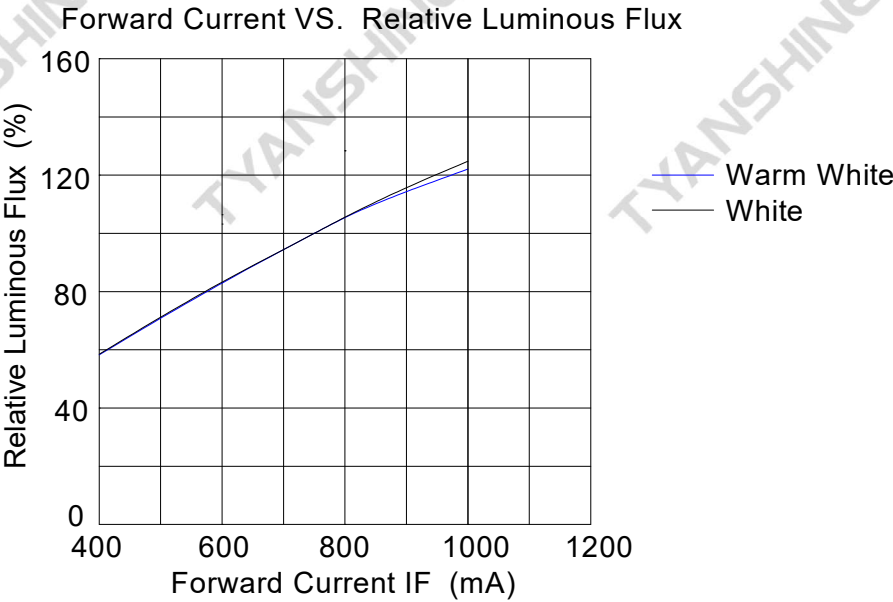
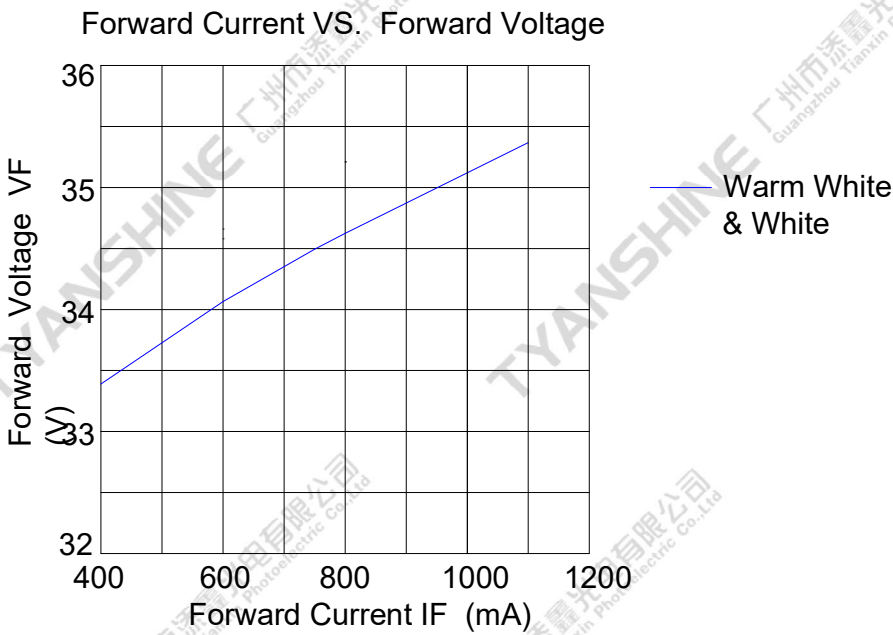
Parameter	Symbol	Condition	Emitting color	Min.	Typ.	Max.	Units
Luminous Flux	ϕ_v	If=750mA	S	2100	2400	2700	lm
			W	2650	3000	3400	
Forward Voltage	V_f		S	32	34	36	V
			W	32	34	36	
Correlated Colour Temperature	CCT		S	2620	2700	2760	K
			W	5750	6000	6300	
Viewing Angle at 50 % IV	$2\theta_{1/2}$		S	—	115	—	Deg
			W	—	115	—	
Reverse Current	I_R	—	—	—	—	μA	
Thermal Resistance Junction to Case	$R\theta_{J-C}$	If=750mA	—	—	1.1	—	K/W
Temperature Coefficient of Voltage	$V\triangle F/T$		S	—	-13.2	—	mV/℃
			W	—	-13.2	—	
Color Rendering Index	Ra		S	95	—	—	—
			W	95	—	—	

Notes:

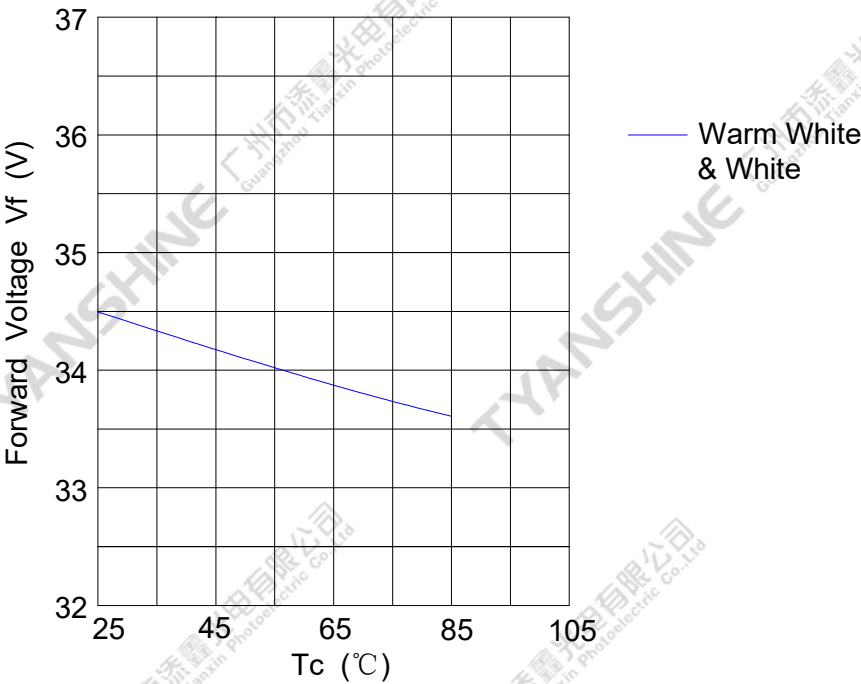
- 1.Luminous intensity is measured with a light sensor and filter combination that approximates the CIE eye-response curve.
2. $\theta_{1/2}$ is the off-axis angle at which the luminous intensity is half the axial luminous intensity.
- 3.Luminous flux measurement tolerance:±15%.
- 4.Forward voltage measurement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

Typical Electrical/Optical Characteristics Curves

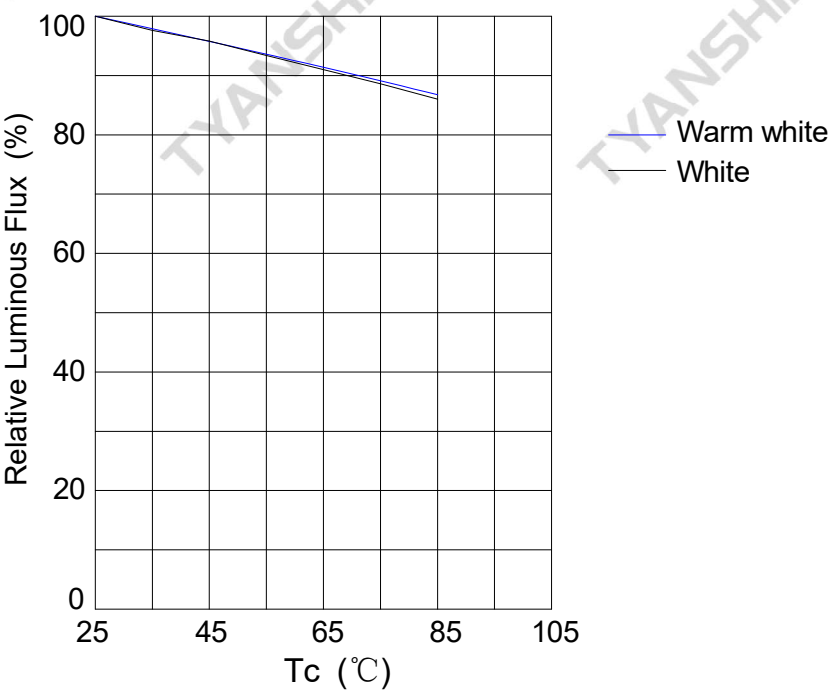
(25°C Ambient Temperature Unless Otherwise Noted)

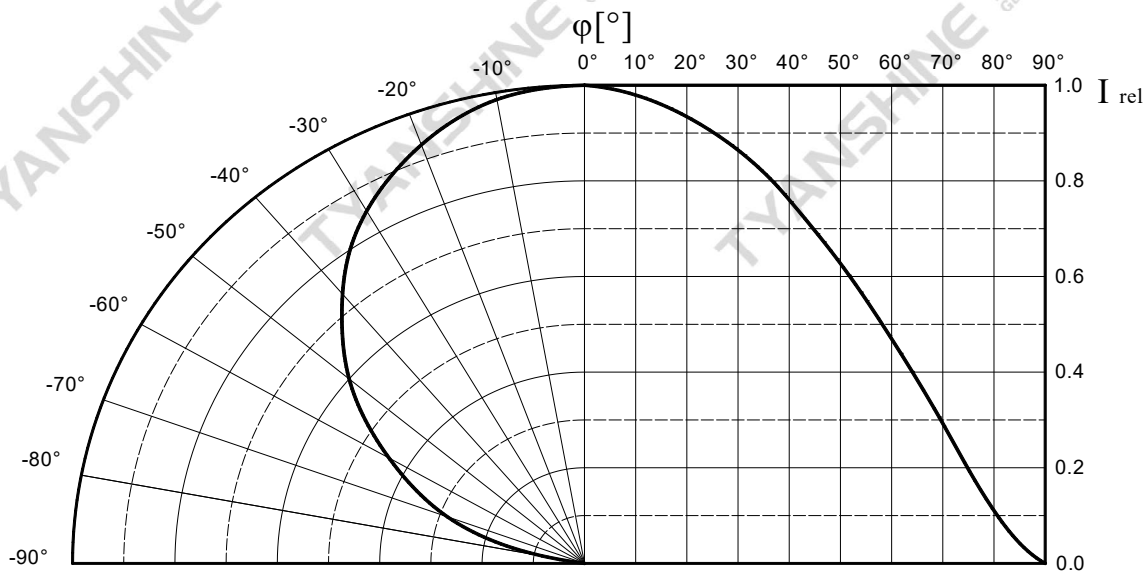
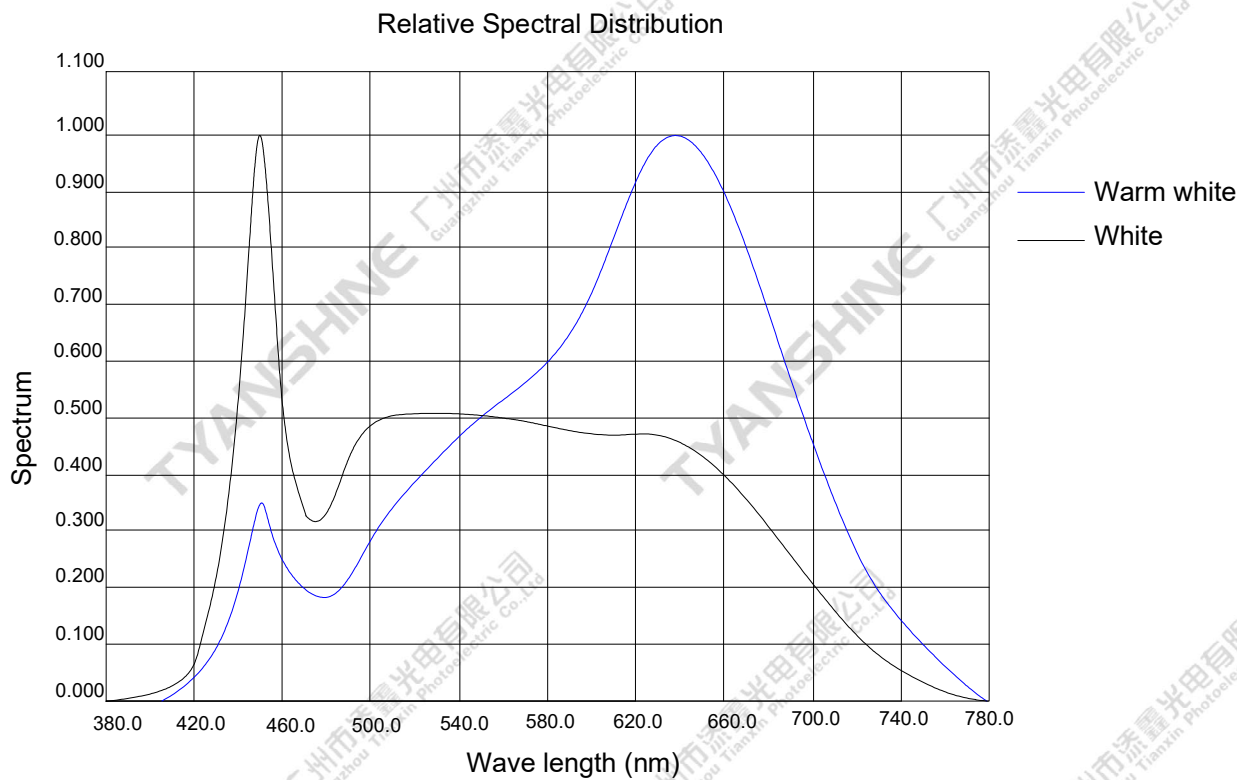


Temperature VS. Relative Luminous FLux (IF=750mA)



Temperature VS. Forward Voltage (IF=750mA)

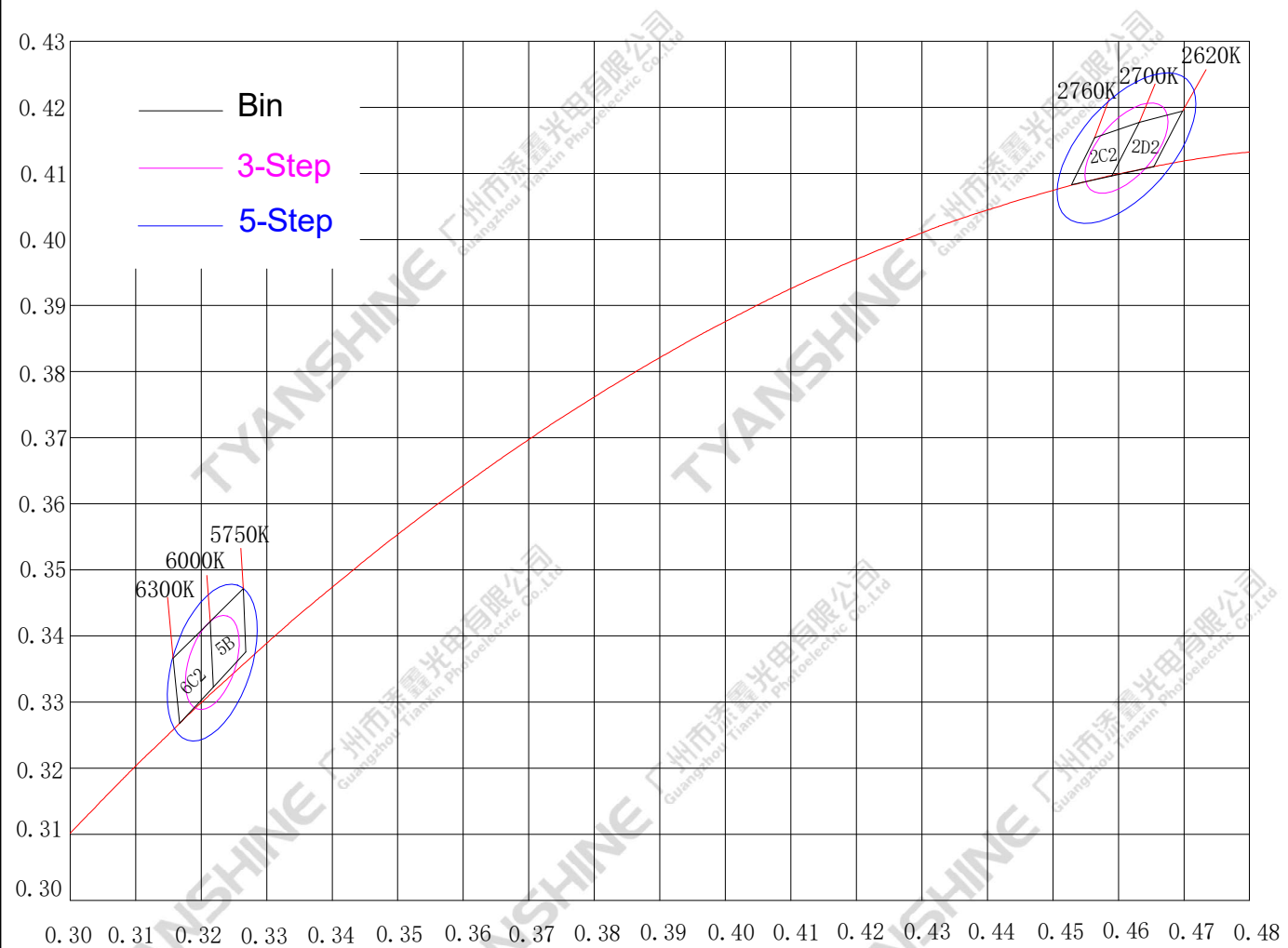




Notes:

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 $\pm 5^\circ$.

Chromaticity Coordinates (Condition: IF=750mA, Tc=25℃)



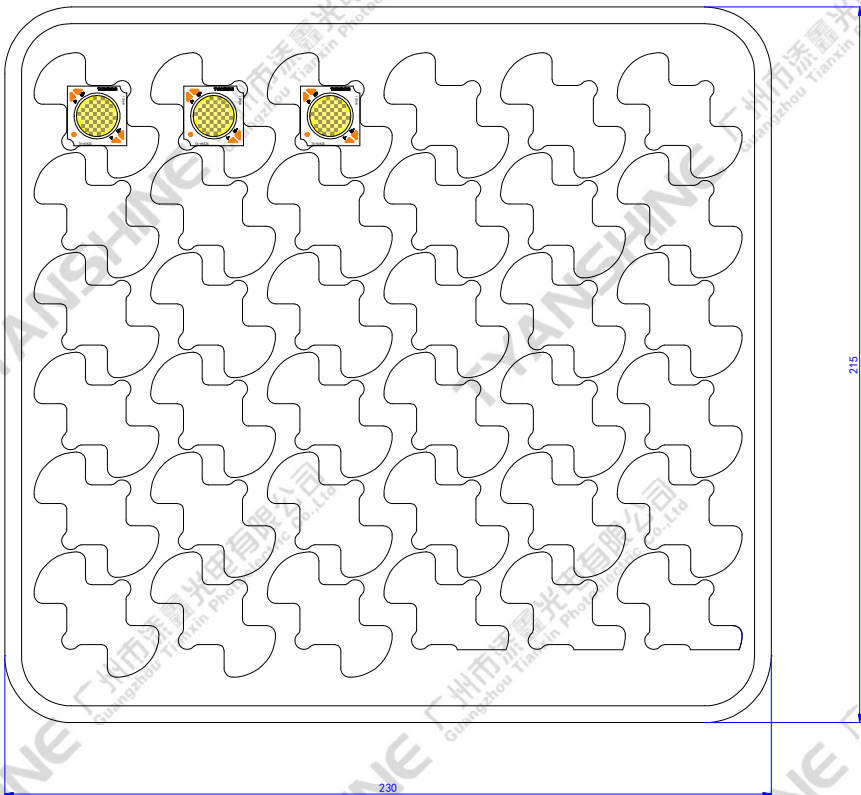
Notes:
1.chromaticity (x, y) measurements tolerance:±0.005.

Reliability Test

Test Item	Test Condition
Continuous Operation Test	IF=750mA 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	-40 ℃ × 15 minutes – 125 ℃ × 15 minutes, 100 cycle

Dimensions For Cannulation And Packaging

Quantity: 36PCS



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.