

TX-H1825SW14A-2740V36-02H90

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:

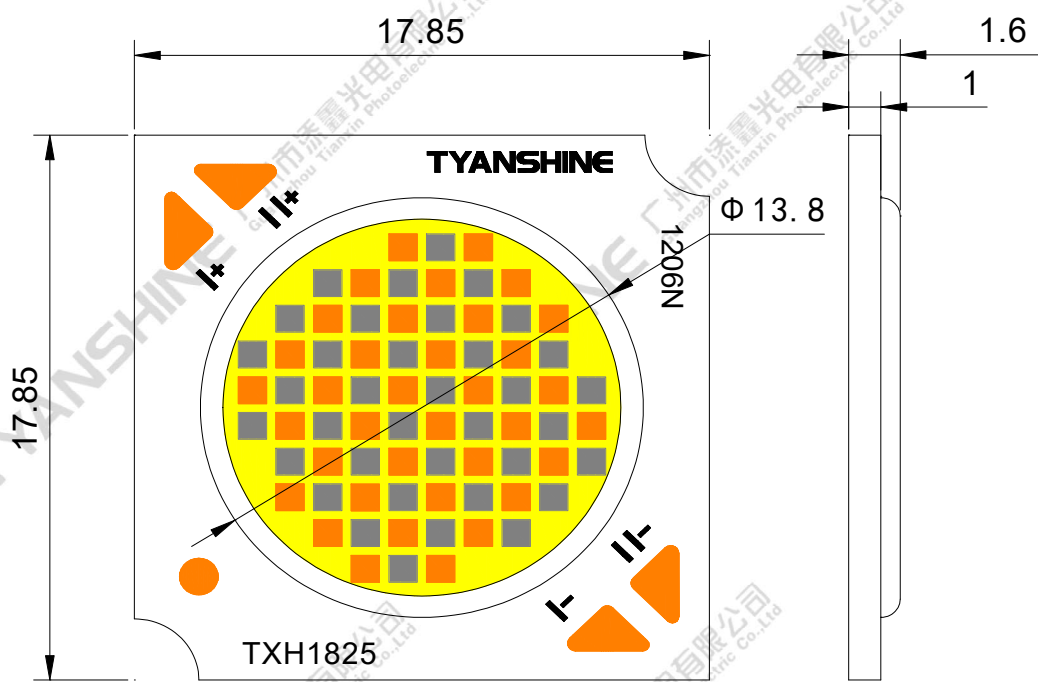
- ◆White
- ◆Warm white

Applications:

- ◆Commercial lighting
- ◆General Lighting

Part No.	TX-H1825SW14A-2740V36-02H90	Spec No.	WKF-DA0164	Page	1 of 9
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Package Dimensions:



I: Warm White (S) II: White (W)

Notes:

- 1.All dimensions are in millimeters .
- 2.Tolerances unless otherwise mentioned are $\pm 0.25\text{mm}$.

Code Formats:

TX-H1825SW14A-2740V36-02H90

TX	—	H	18	25	SW	14	A	—	2740	V36	—	02	H90
TYANSHINE	—	high density	series	watt type	performance	LES	texture	—	CCT	VOL TS	—	BOM	Ra

Part No.	TX-H1825SW14A-2740V36-02H90	Spec No.	WKF-DA0164	Page	2 of 9
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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	S	39	W
		W	39	
		S+W	39	
Junction Temperature	Tj	S	150	℃
		W	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.

Part No.	TX-H1825SW14A-2740V36-02H90	Spec No.	WKF-DA0164	Page	3 of 9
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Electrical Optical Characteristics (Tc=25°C)

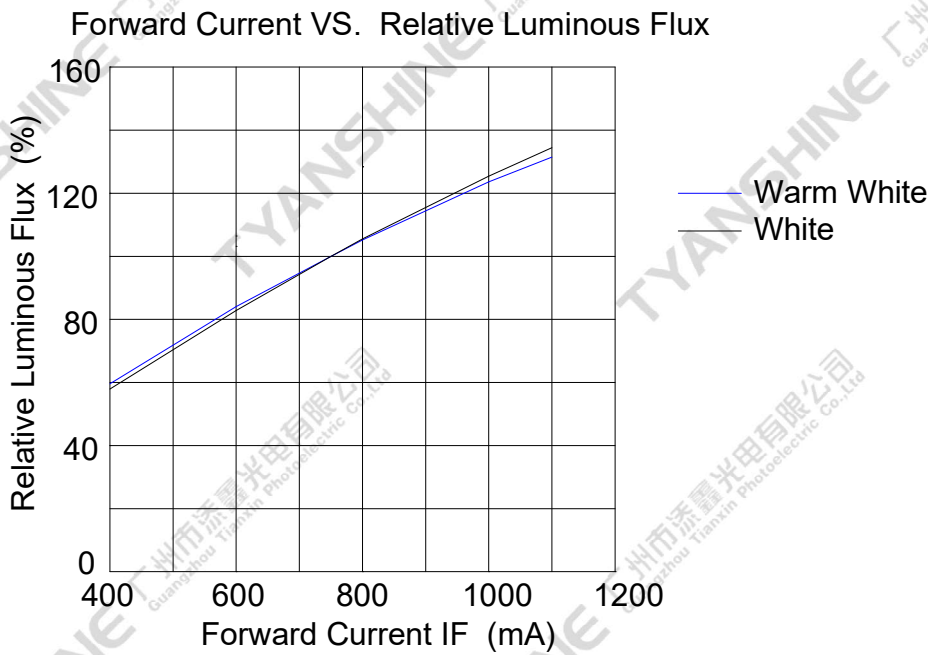
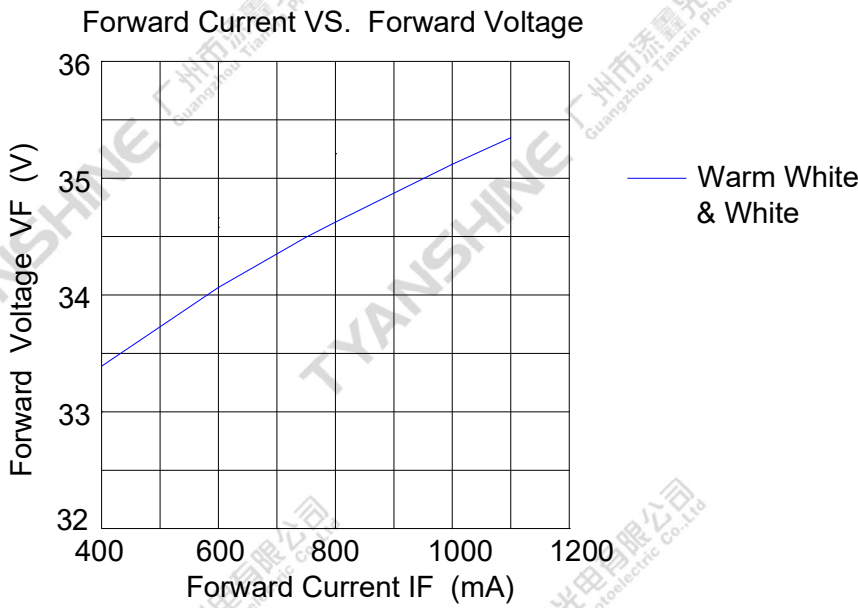
Parameter	Symbol	Condition	Emitting color	Min.	Typ.	Max.	Units
Luminous Flux	ϕ_v	If=750mA	S	2340	2650	3050	lm
			W	2700	3050	3510	
Forward Voltage	V_f		S	32	34	36	V
			W	32	34	36	
Correlated Colour Temperature	CCT		S	2680	—	2780	K
			W	3920	—	4120	
Viewing Angle at 50 % IV	$2\theta_{1/2}$		S	—	115	—	Deg
			W	—	115	—	
Reverse Current	I_R	—	—	—	—	—	μA
Thermal Resistance Junction to Case	$R\theta_{J-C}$	If=750mA	—	—	1.34	—	K/W
Color Rendering Index	Ra	If=750mA	S	90	—	—	—
			W	90	—	—	

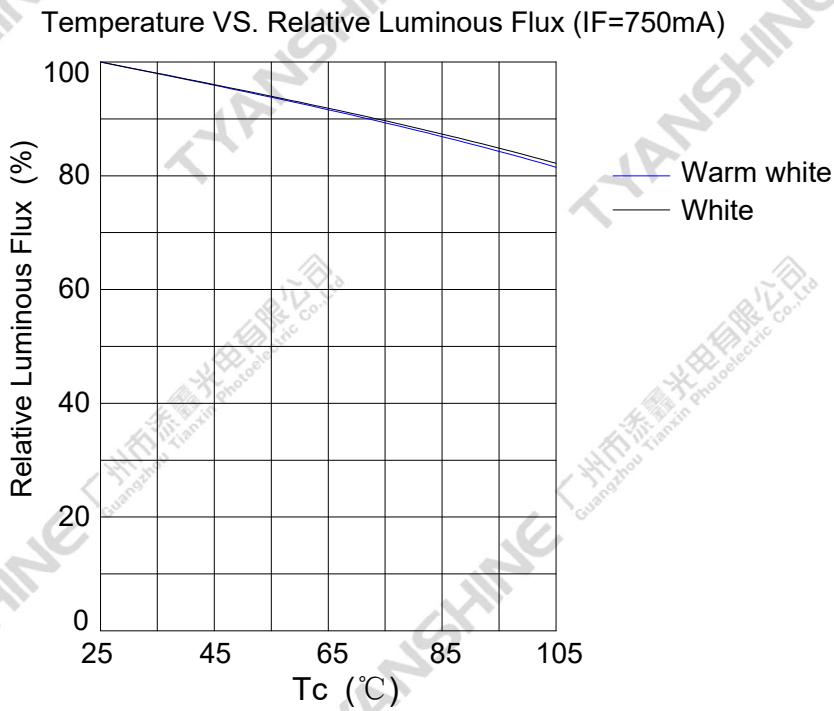
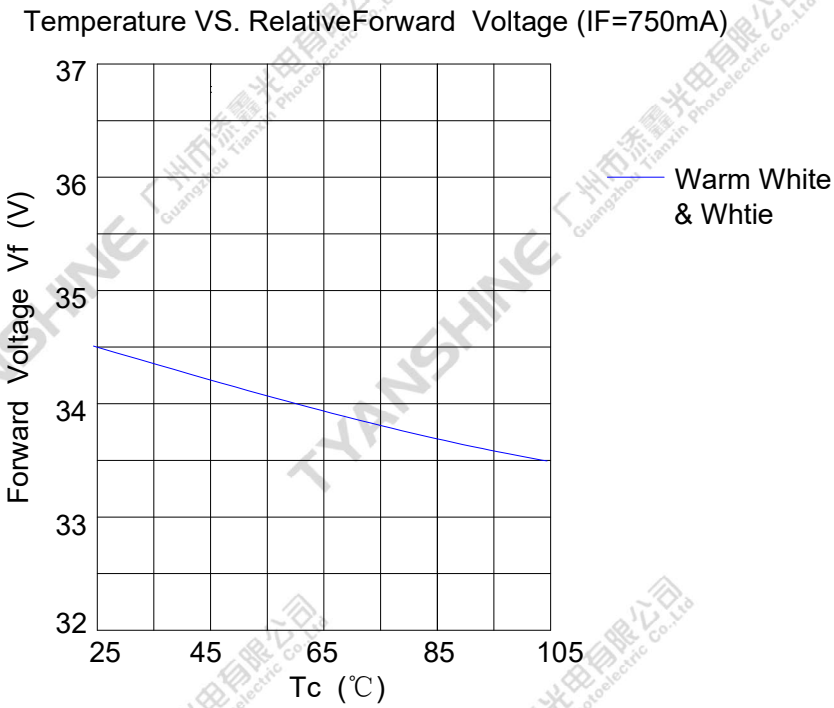
Notes:

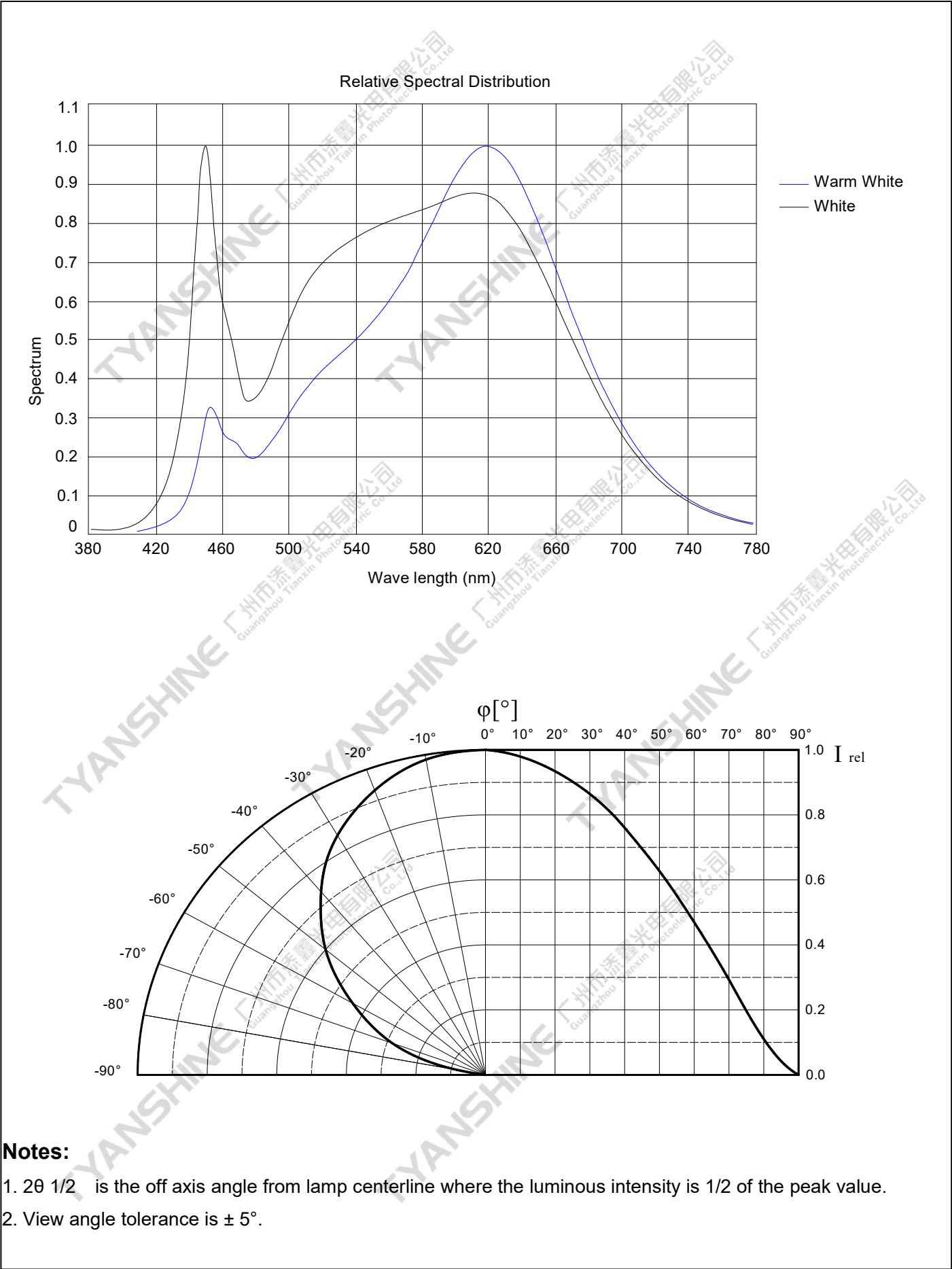
- 1.Luminous intensity is measured with a light sensor and filter combination that approximates the CIE eye-response curve.
2. $\theta_{1/2}$ is the off-axis angle at which the luminous intensity is half the axial luminous intensity.
- 3.Luminous flux measurement tolerance: $\pm 15\%$.
- 4.Forward voltage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

Typical Electrical/Optical Characteristics Curves

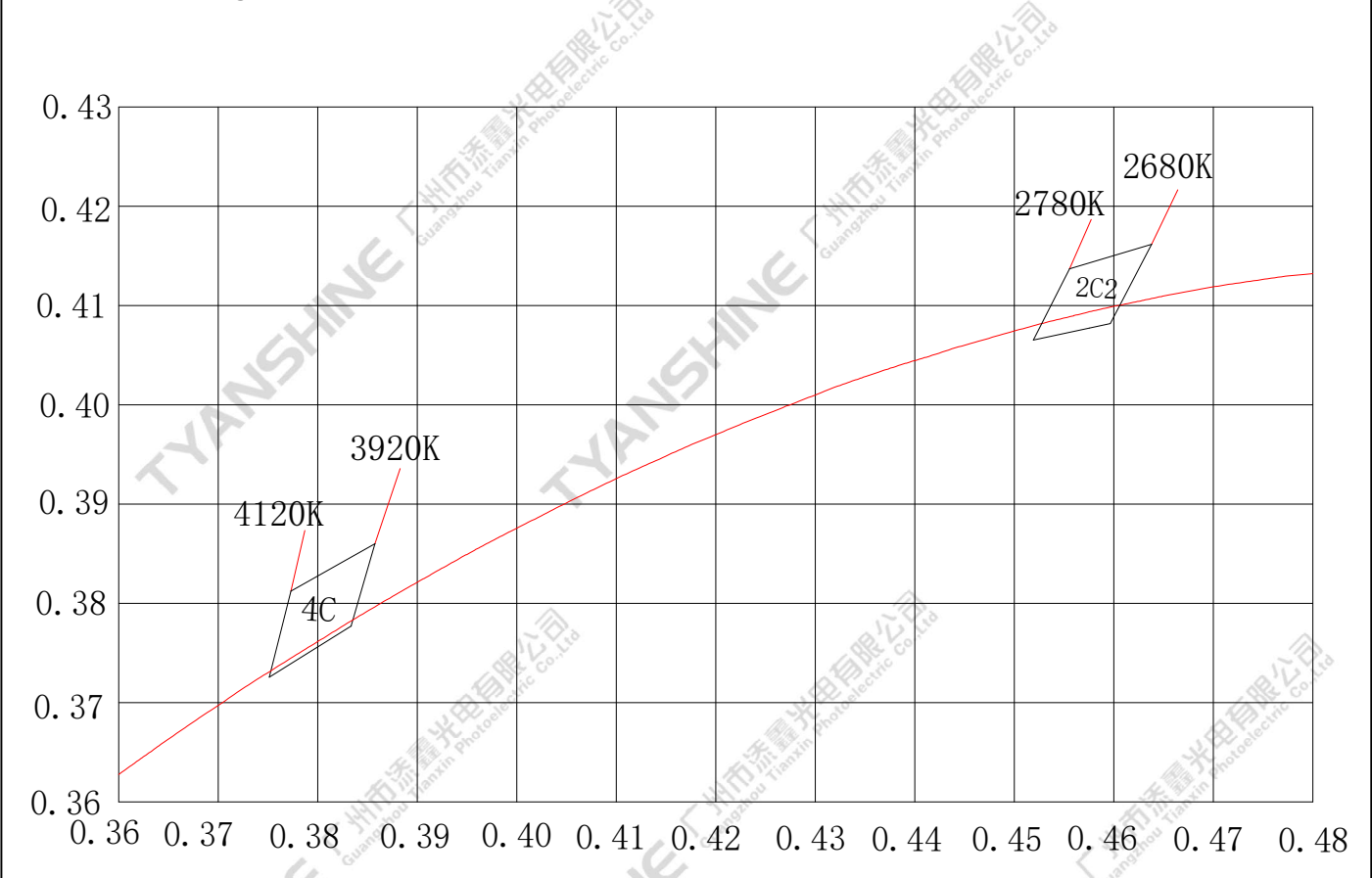
(25°C Ambient Temperature Unless Otherwise Noted)







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



Notes:

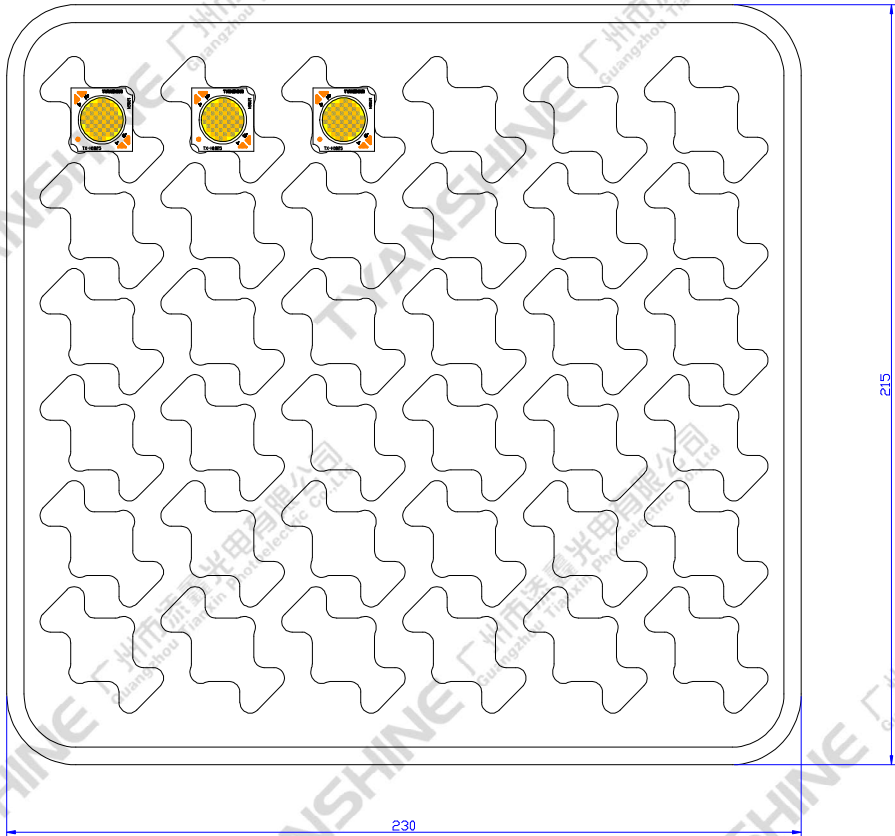
1. chromaticity (x, y) measurements tolerance: ±0.005.

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.

Part No.	TX-H1825SW14A-2740V36-02H90	Spec No.	WKF-DA0164	Page	9 of 9
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