

TX-1825SW14A-2860V36-10H80

PRODUCT SPECIFICATION

Features:

- ↵ Excellent transiting heat from LED chip operating under 1000mA.
- ↵ 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:

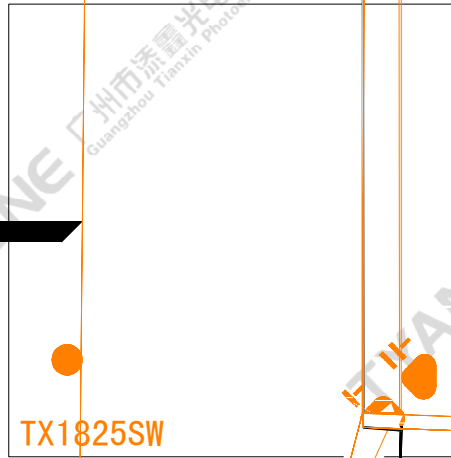
- ↵ White
- ↵ Warm white

Applications:

- ↵ Commercial lighting
- ↵ General Lighting

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Package Dimensions:



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Absolute Maximum Ratings

Parameter	Symbol	Ratings	Unit	
Forward Current	IF	1000	mA	
Reverse Voltage	V _R	Not designed for reverse operation	V	
Power Dissipation	P _D	W	36	W
		S	36	
Junction Temperature	T _j	W	135	"
		S	135	
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:

- 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.

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Electrical Optical Characteristics (Tc=25°C)

Parameter	Symbol	Condition	Emitting color	Min.	Typ.	Max.	Units
Luminous Flux	N _v	If=700mA	S	—	2250	—	lm
			W	—	2250	—	
Forward Voltage	V _f		S	34	36	38	V
			W	34	36	38	
Correlated Colour Temperature	CCT		S	—	2800	—	K
			W	—	6000	—	
Viewing Angle at 50°半IV	2 1/2		S	—	115	—	Deg
			W	—	115	—	
Reverse Current	I _R		—	—	—	—	μA
Thermal Resistance Junction to Case	R _{θJC}		S	—	0.53	—	K/W
		W	—	0.53	—		
Temperature Coefficient of Voltage	V _A F/T	S	—	-16.5	—	mV/ "	
		W	—	-16.5	—		
Color Rendering Index	Ra	S	—	80	—	—	
		W	—	80	—		

Notes:

- 1.Luminous intensity is measured with a light sensor and filter combination that approximates the CIE eye-response curve.
2. 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.

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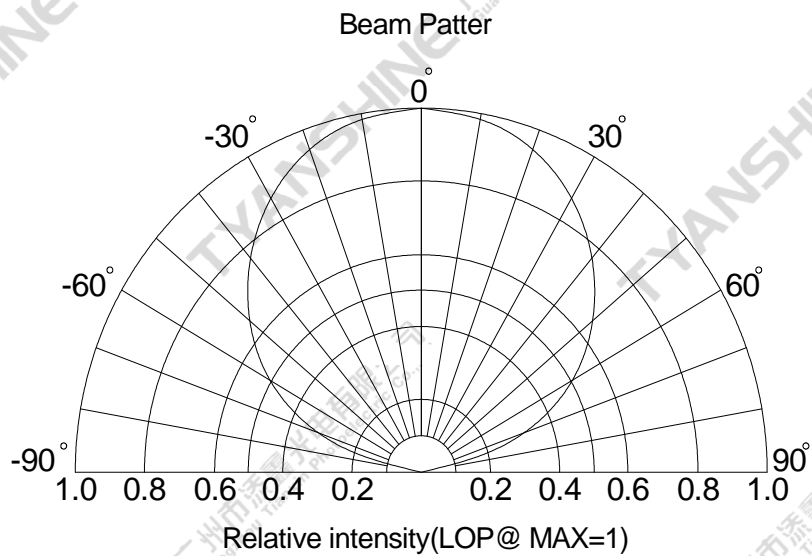
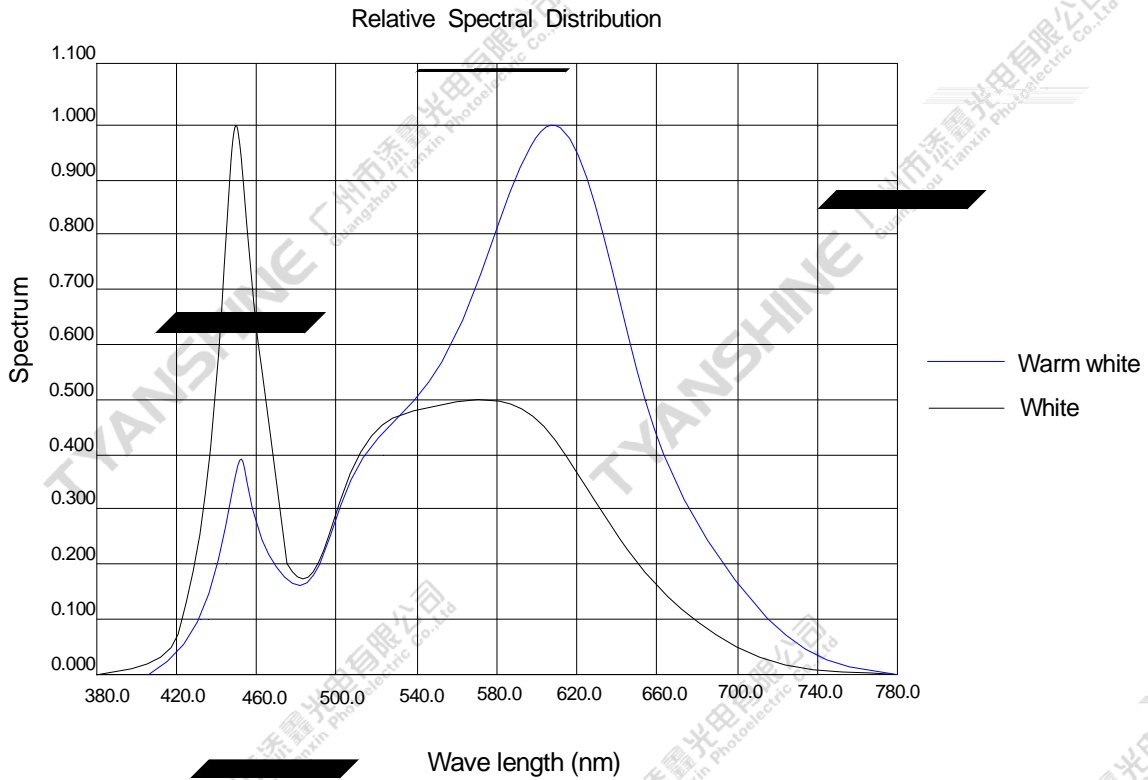
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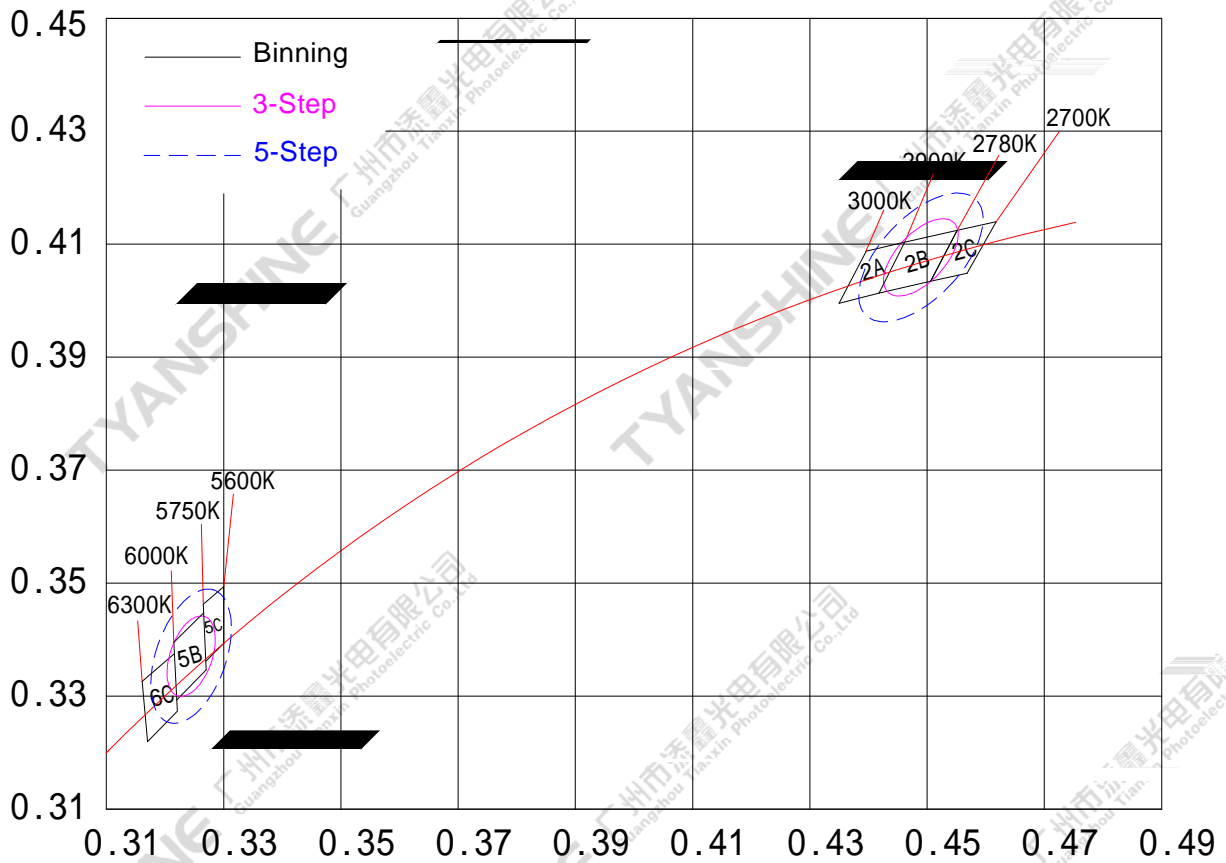


Notes:

1. $2 \frac{1}{2}$ 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=700mA Tc=25 " 唉



Reliability Test

Test Item	Test Condition
Continuous Operation Test	IF=700mA 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: 36PCS

