

TYANSHINE 广州市添鑫光电有限公司  
Guangzhou Tianxin Photoelectric Co., Ltd

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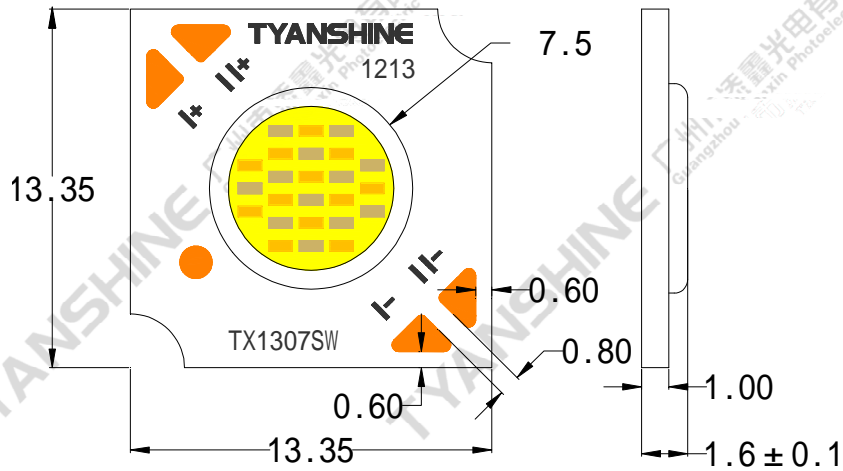
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Part No.	TX-1307SW08A-2860V36-10H80	Spec No.	WKF-BF0333	Page	1 of 10
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**Package Dimensions:**



**Notes:**

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

**Code Formats:**

TX-1307SW08A-2860V36-10H80

TX	—	13	07	SW	08	A	—	2860	V36	—	10	H80
TYANSHINE	—	series	watt typ	performance	LES	texture	—	CCT	VOLTs	—	BOM	Ra

## Absolute Maximum Ratings

Parameter	Symbol	Ratings	Unit
Forward Current	IF	250	mA
Reverse Voltage	VR	Not designed for reverse operation	V
Power Dissipation	PD	S	9
		W	9
		S+W	9
Junction Temperature	Tj	S	135
		W	135
Case Temperature (C)	Tc	85	
Electrostatic Discharge Threshold (ESD)	ESD	2000	V
Storage Temperature	Tstg	-30~+100	
Operation Temperature	Topr	-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.

**Electrical Optical Characteristics (Tc=25°C)**

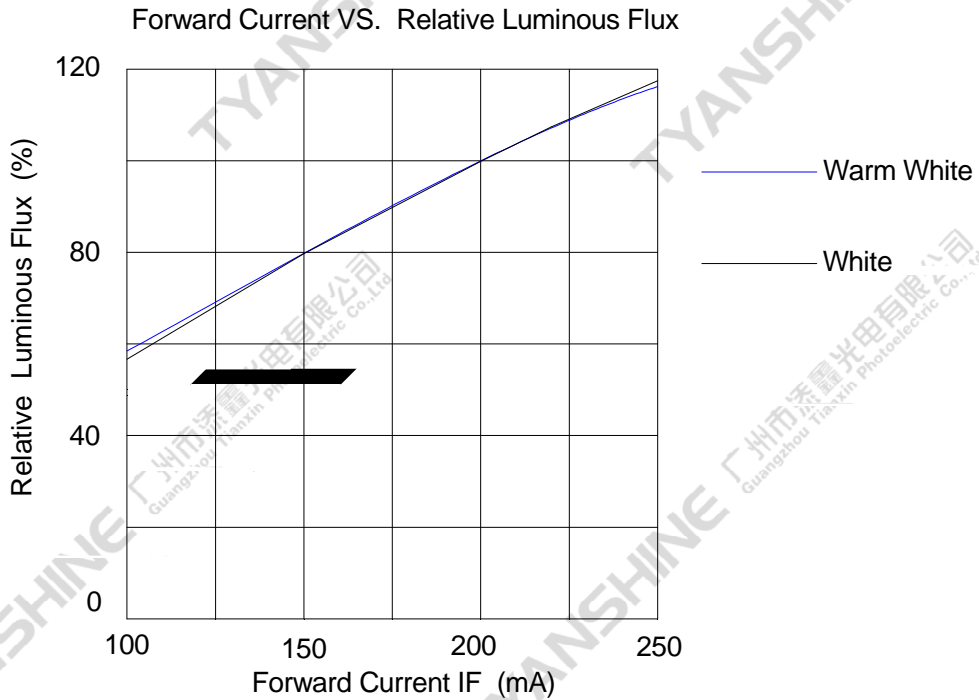
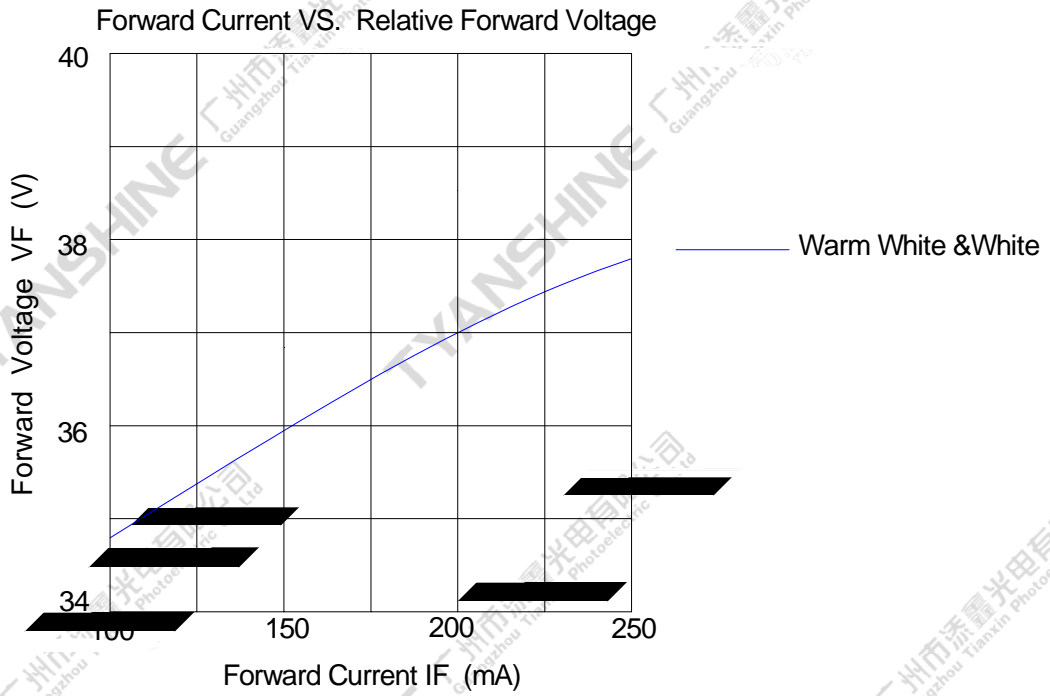
Parameter	Symbol	Condition	Emitting color	Min.	Typ.	Max.	Units
Luminous Flux	$\phi_v$	If=200mA	S	—	700	—	lm
			W	—	800	—	
Forward Voltage	$V_f$		S	34	36	38	V
			W	34	36	38	
Correlated Colour Temperature	CCT		S	—	2800	—	K
			W	—	6000	—	
Viewing Angle at 50°	$2\theta_{1/2}$		S	—	115	—	Deg
			W	—	115	—	
Reverse Current	$I_R$			—	—	—	$\mu A$
Thermal Resistance Junction to Case	$R_{\theta JC}$		S	—	2.07	—	K/W
		W	—	2.07	—		
Temperature Coefficient of Voltage	V F/T	S	—	-15	—	mV/	
		W	—	-15	—		
Color Rendering Index	Ra	S	—	80	—	—	
		W	—	80	—		

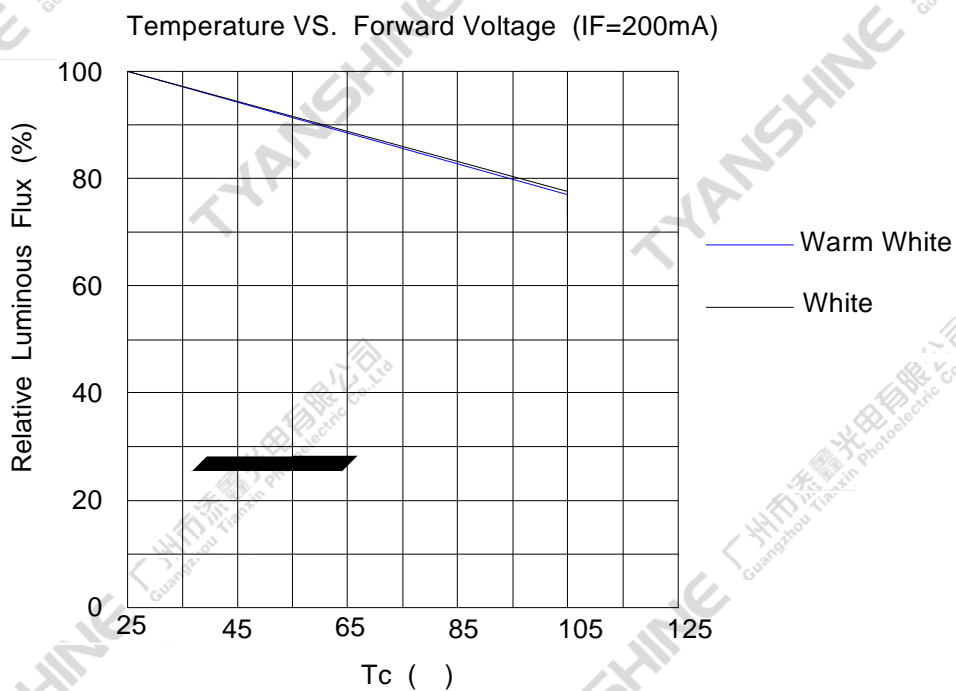
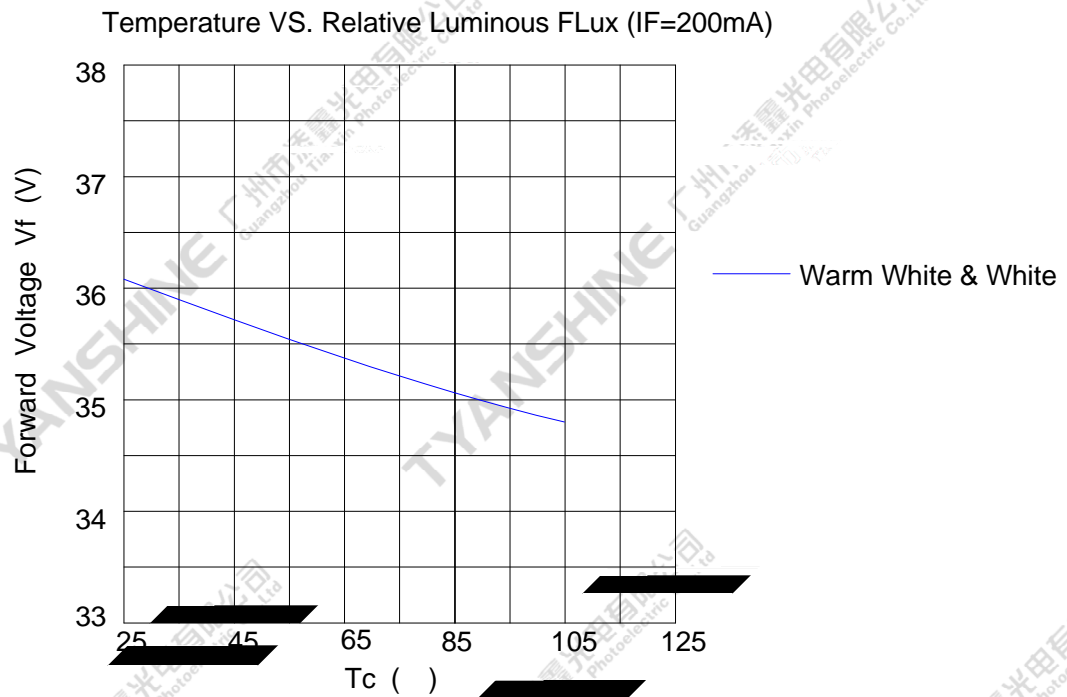
**Notes:**

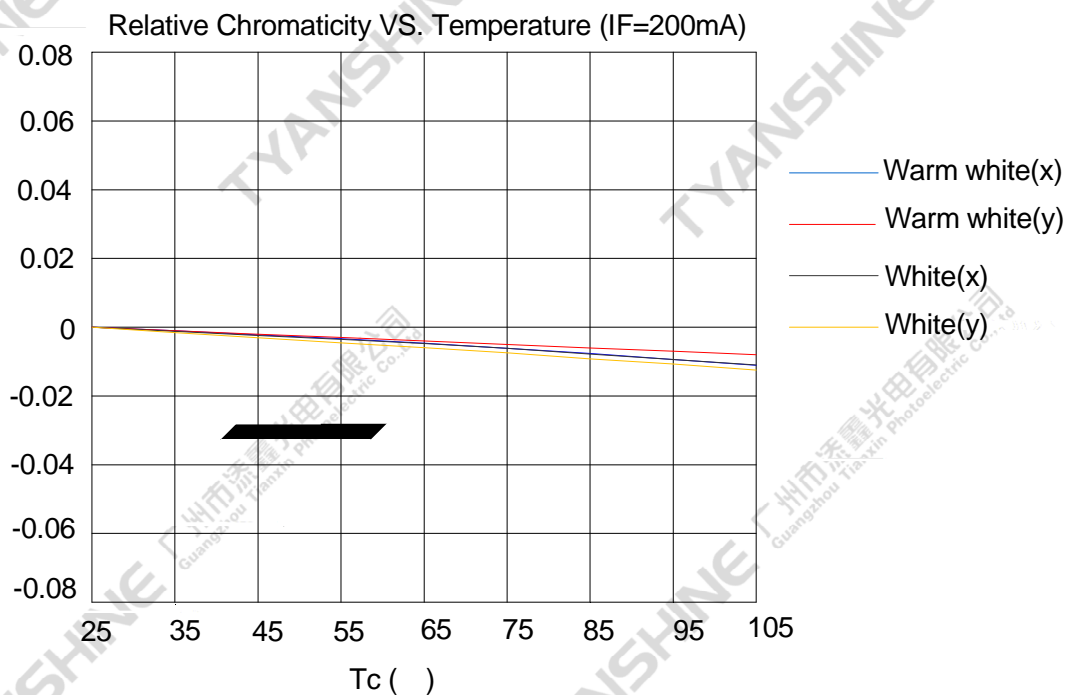
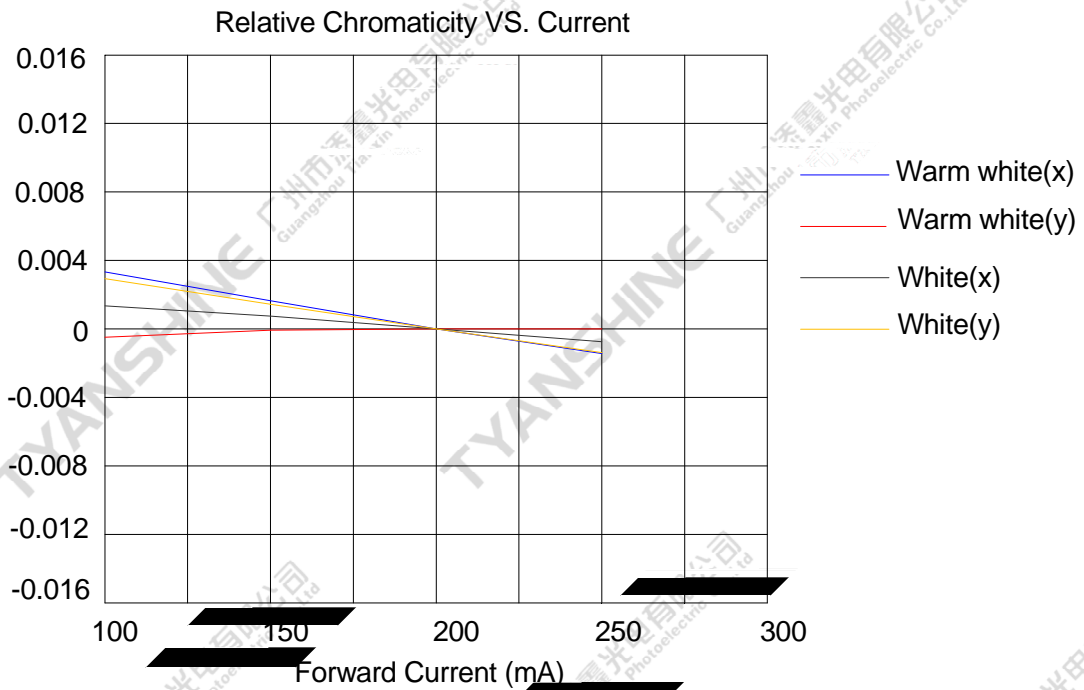
- Luminous intensity is measured with a light sensor and filter combination that approximates the CIE eye-response curve.
- $\theta_{1/2}$  is the off-axis angle at which the luminous intensity is half the axial luminous intensity.
- Luminous flux measurement tolerance:  $\pm 15\%$ .
- Forward voltage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

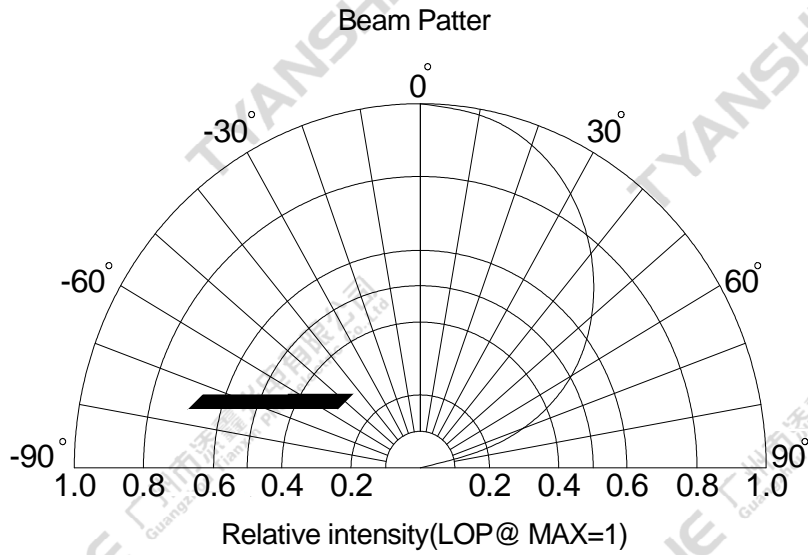
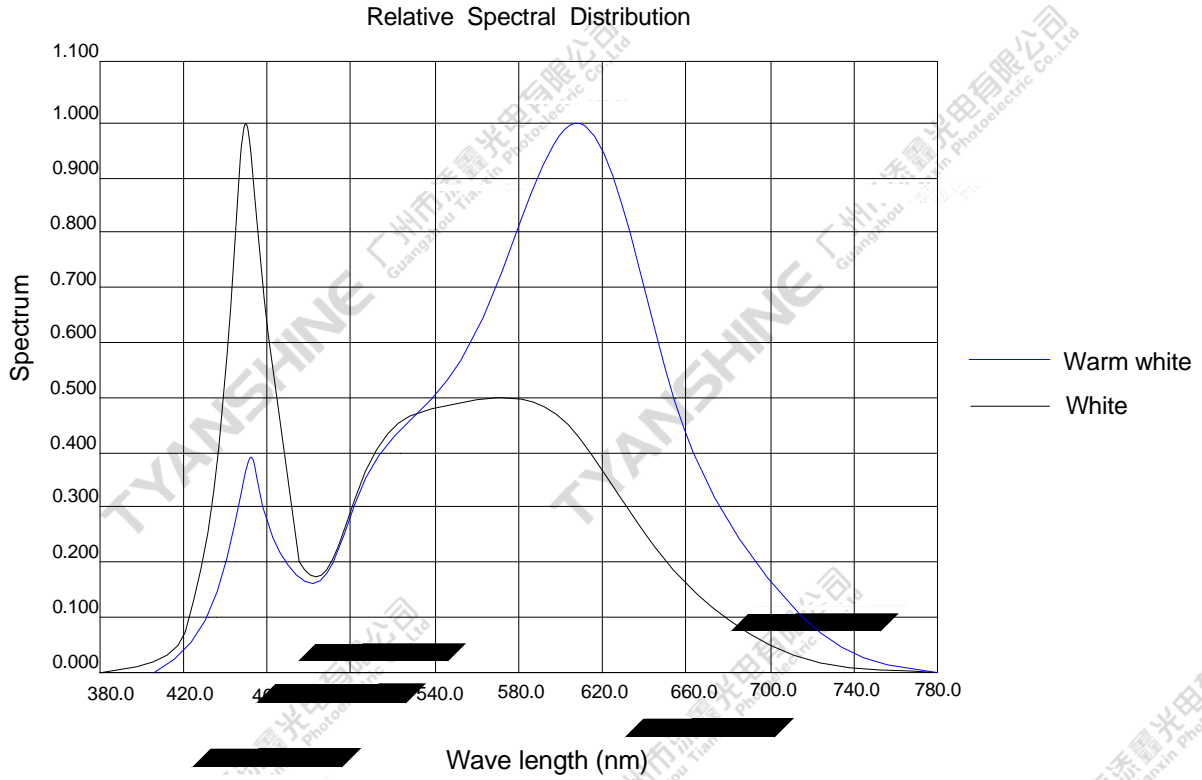
# Typical Electrical/Optical Characteristics Curves

(25 Ambient Temperature Unless Otherwise Noted)











**Chromaticity Coordinates** 条件 **IF=200mA Tc=25 唉**

