

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

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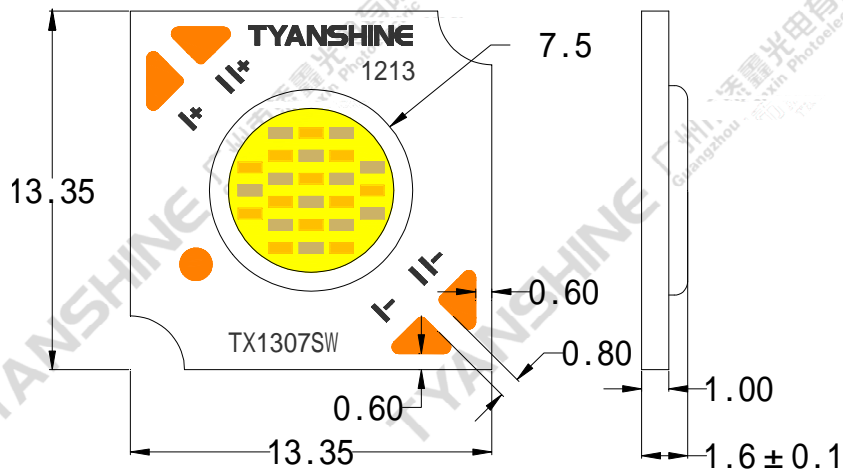
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Part No.	TX-1307SW08A-2860V36-10H80	Spec No.	WKF-BF0333	Page	1 of 10
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Package Dimensions:



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
		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)

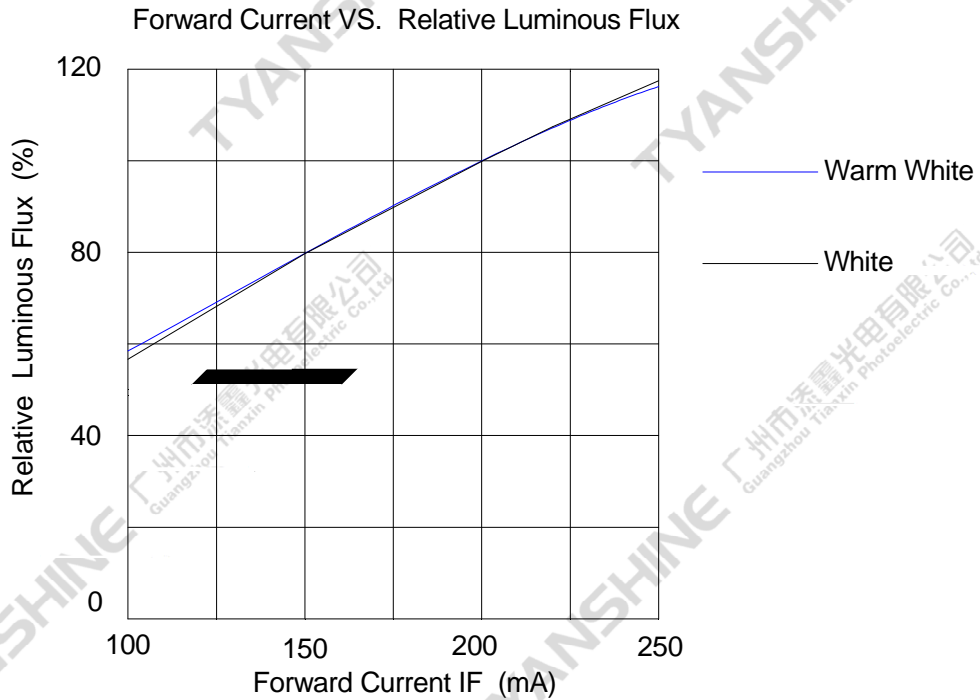
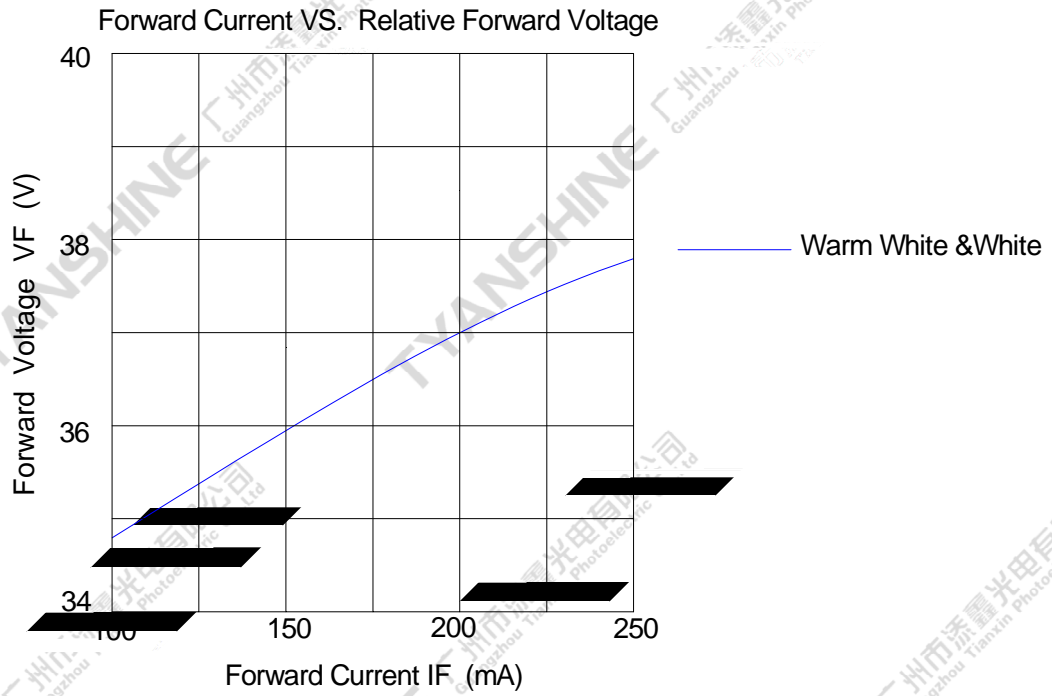
Parameter	Symbol	Condition	Emitting color	Min.	Typ.	Max.	Units
Luminous Flux	ϕ_v	If=200mA	S	—	700	—	lm
			W	—	800	—	
Forward Voltage	V_f		S	34	36	38	V
			W	34	36	38	
Correlated Colour Temperature	CCT		S	—	2800	—	K
			W	—	6000	—	
Viewing Angle at 50° IV	$2\theta_{1/2}$		S	—	115	—	Deg
			W	—	115	—	
Reverse Current	I_R			—	—	—	μA
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	—		

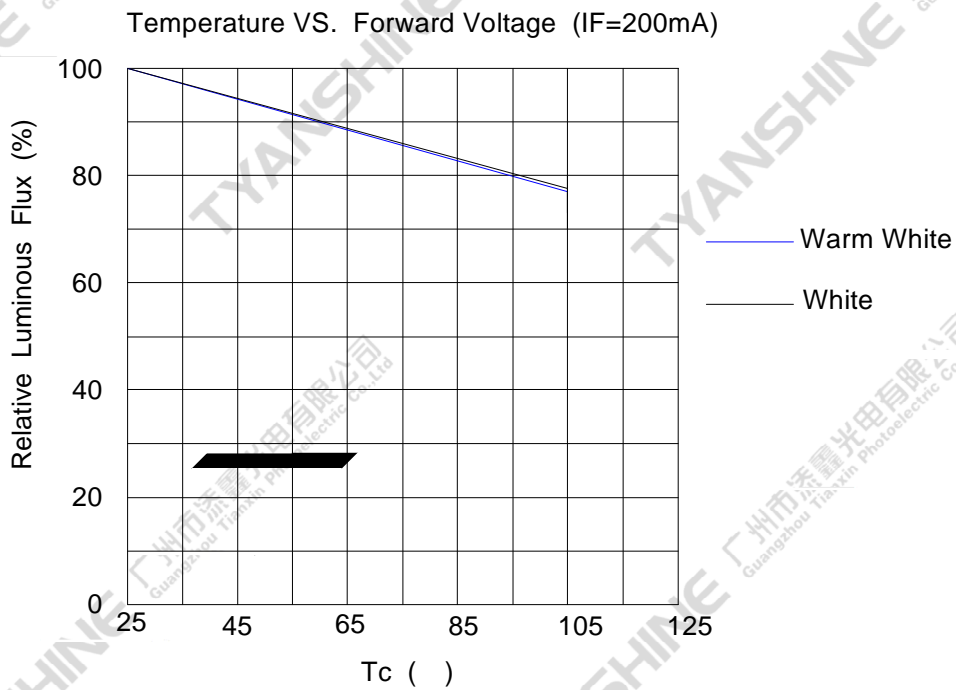
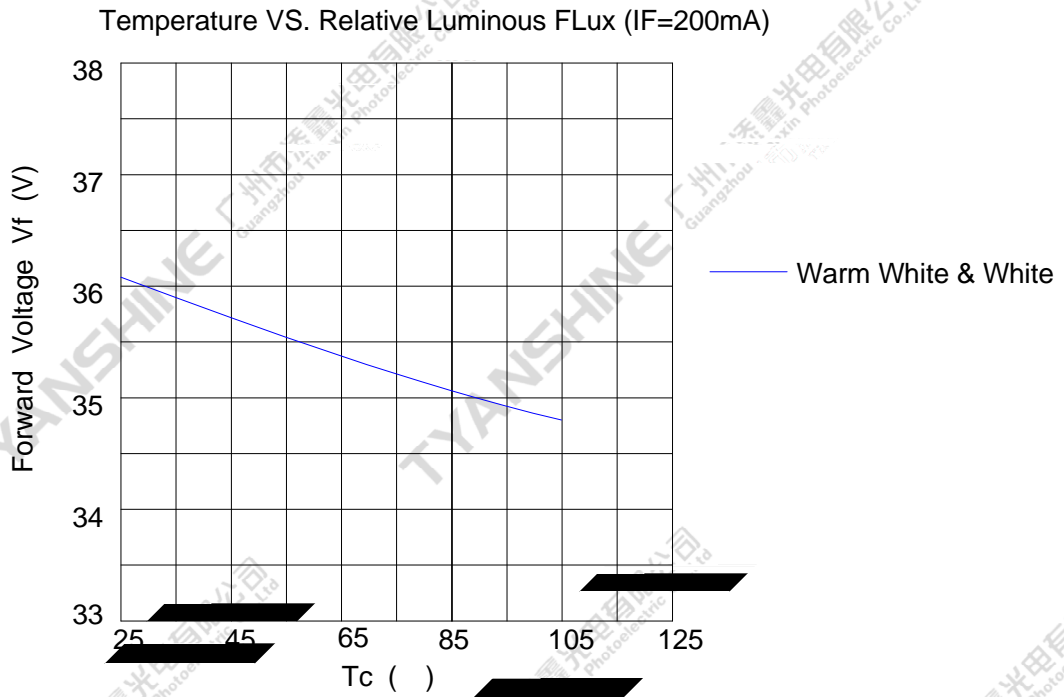
Notes:

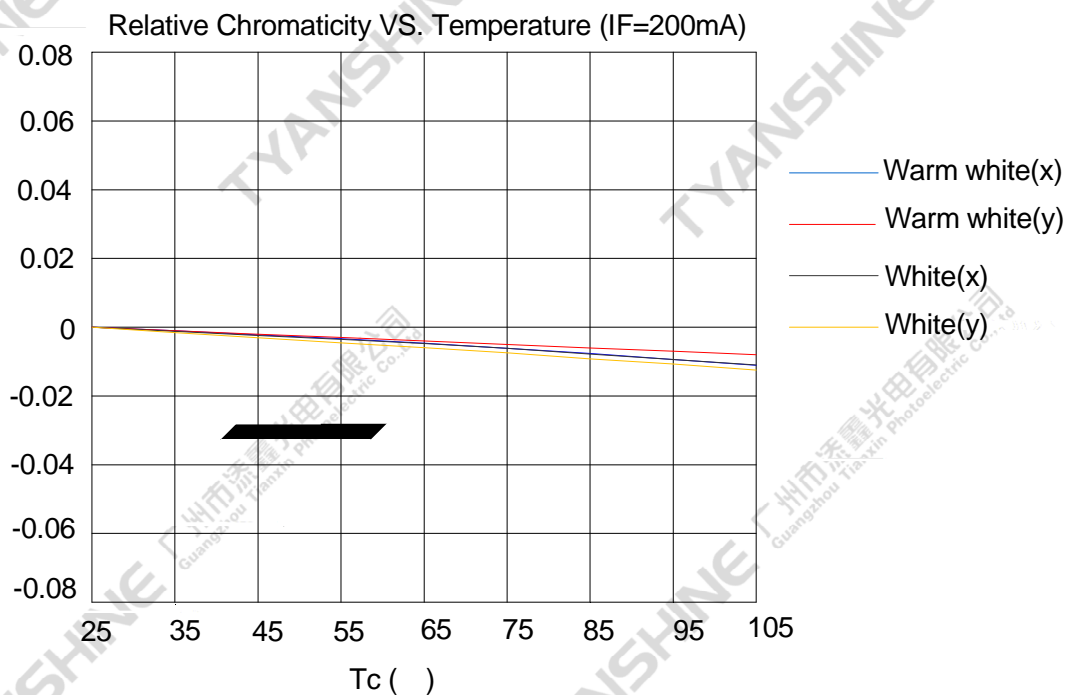
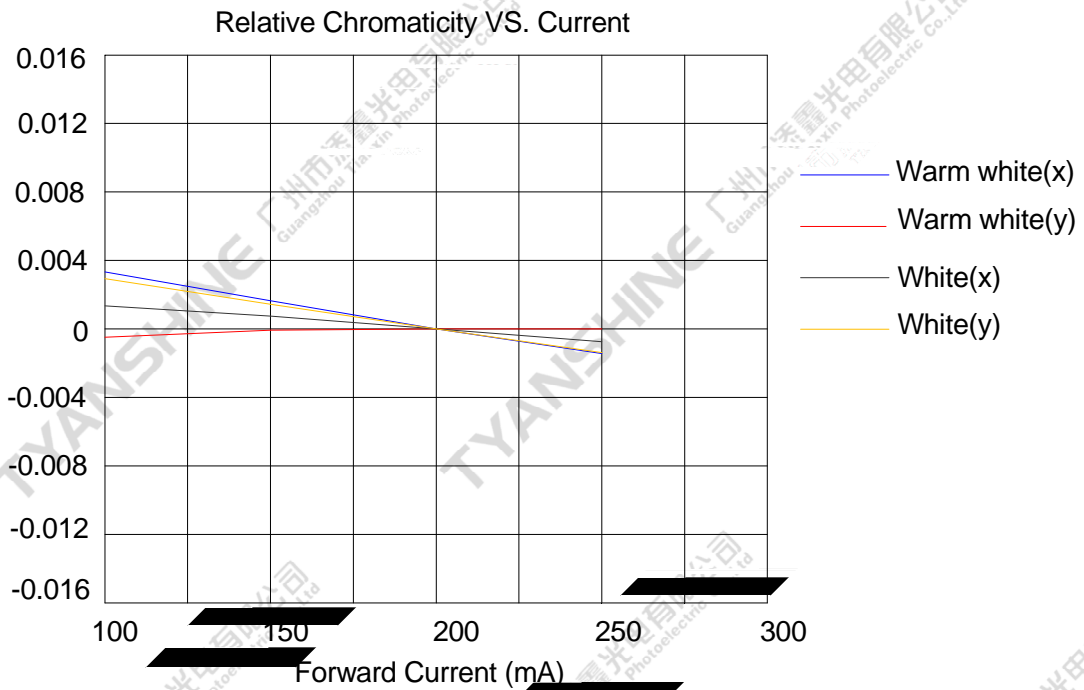
- Luminous intensity is measured with a light sensor and filter combination that approximates the CIE eye-response curve.
- $\theta_{1/2}$ is the off-axis angle at which the luminous intensity is half the axial luminous intensity.
- Luminous flux measurement tolerance: $\pm 15\%$.
- Forward voltage measurement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

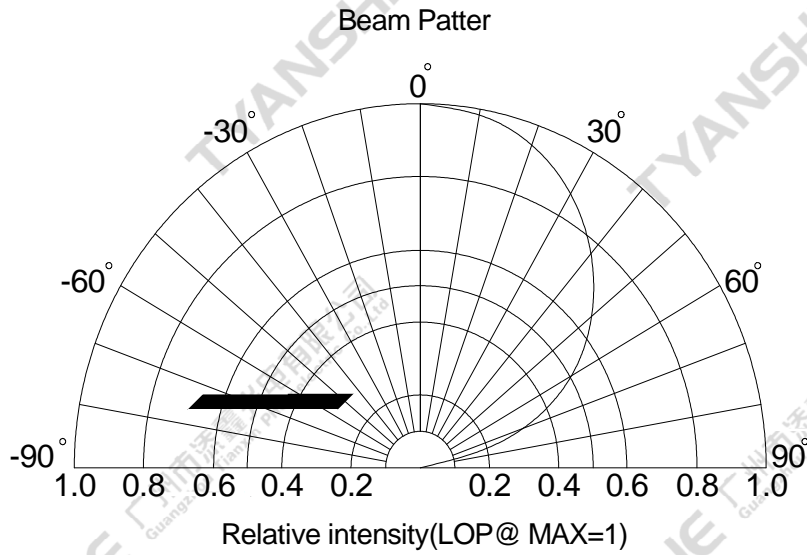
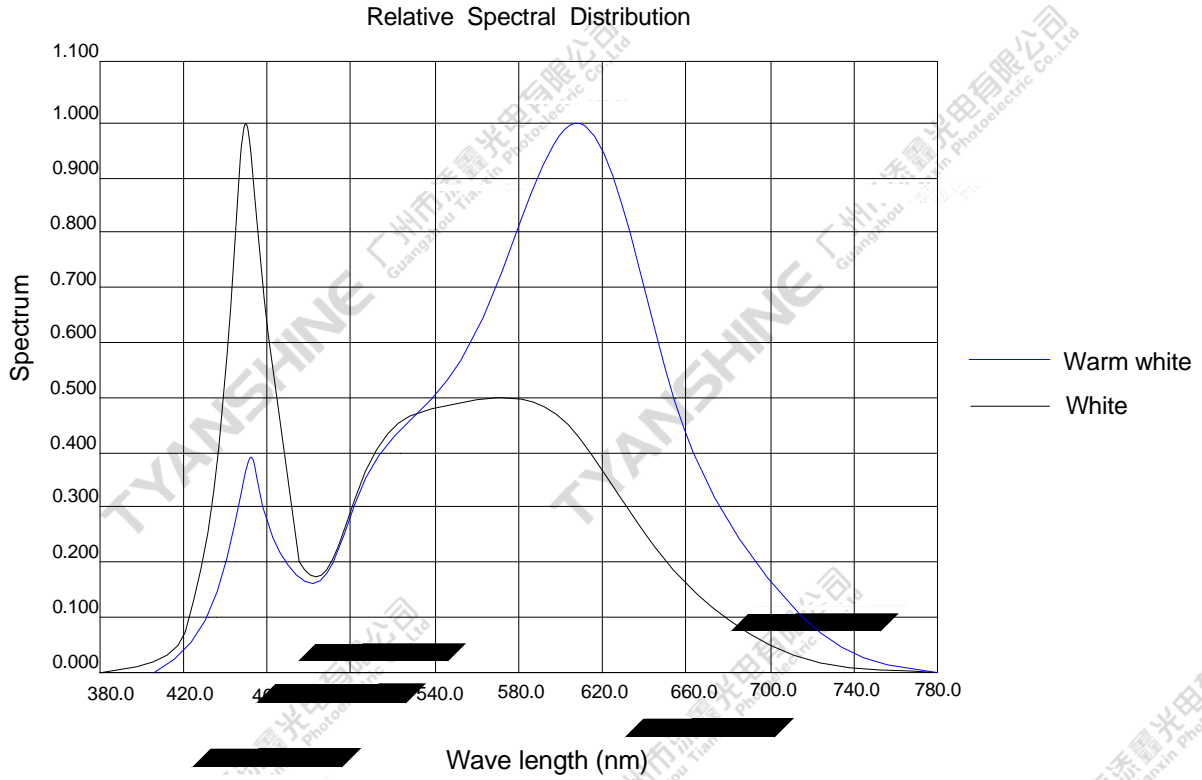
Typical Electrical/Optical Characteristics Curves

(25 Ambient Temperature Unless Otherwise Noted)









Chromaticity Coordinates Condition IF=200mA Tc=25 唉

