

TYANSHINE

广州市天砚光电有限公司
Guangzhou Tianyan Photoelectric Co., Ltd.

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Part No.	507SW08A-2860V36-10H80	Spec No.	WKF-BF0333	Page	2 of 10
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Version:1.1

Absolute Maximum Ratings

Parameter	Symbol	Ratings	Unit
Forward Current	IF	250	mA
Reverse Voltage	VR	Not designed for reverse operation	V
Power Dissipation	$P_{(D)}$	5.7 (w) 10.0 (e5Fe) 6.6 (rs) 5.2 (e00 0 0 Tm) (U)-0000 0 1.00000 0 0	

Electrical Optical Characteristics (Tc=25°C)

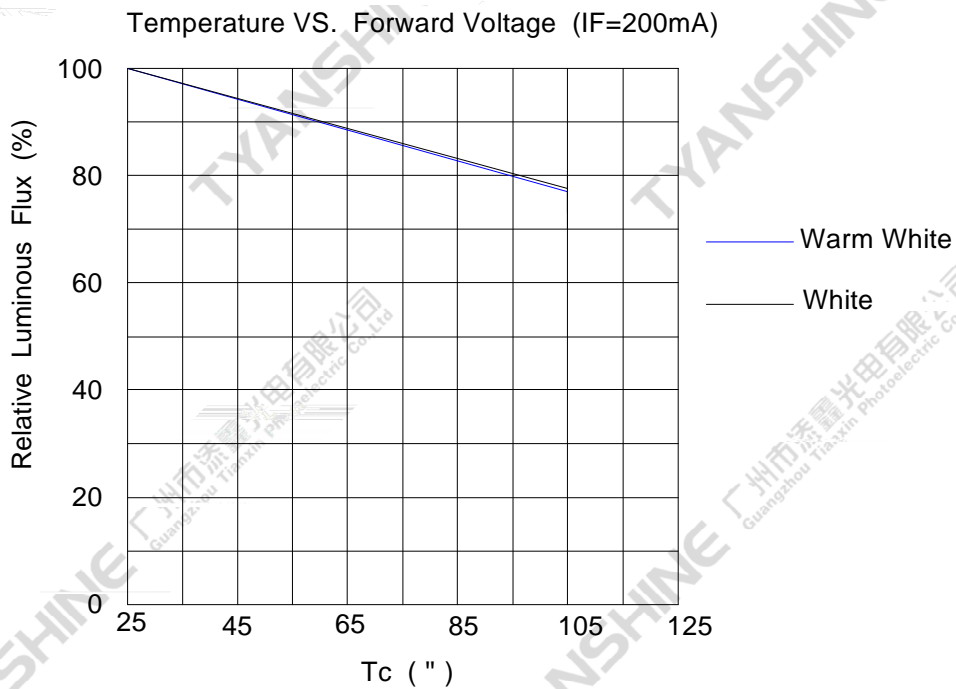
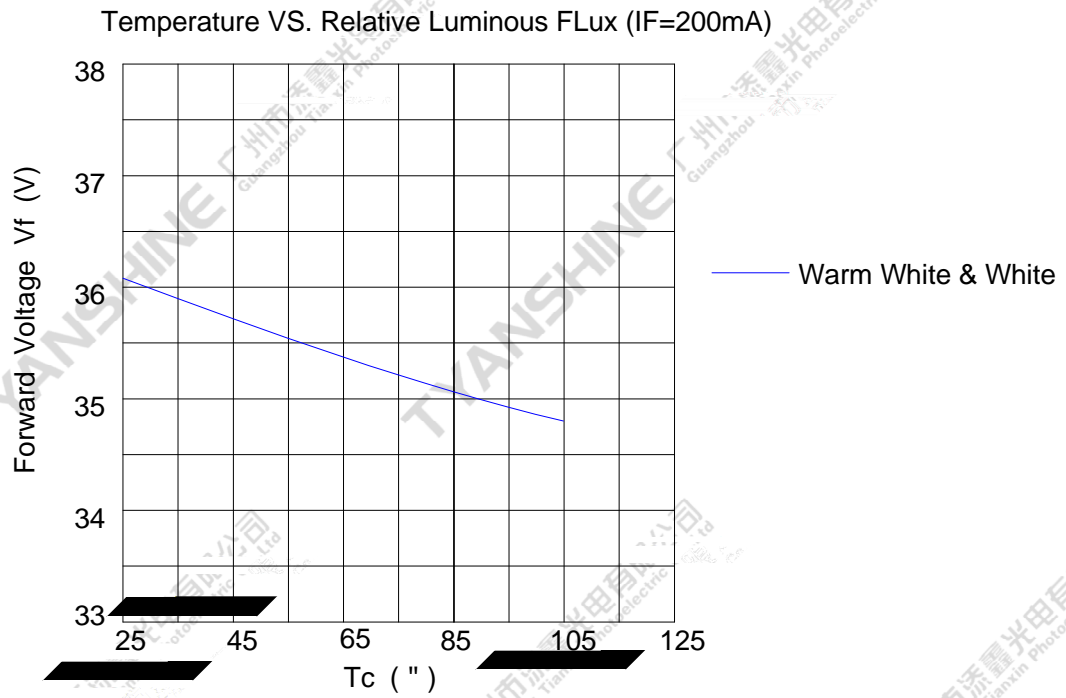
Parameter	Symbol	Condition	Emitting color	Min.	Typ.	Max.	Units
Luminous Flux	v	If=200mA	S	—	750	—	lm
			W	—	900	—	
Forward Voltage	V _f		S	34	36	38	V
			W	34	36	38	
Correlated Colour Temperature	CCT		S	—	2800	—	K
			W	—	6000	—	
Viewing Angle at 50%IV	2 1/2		S	—	115	—	Deg
			W	—	115	—	
Reverse Current	I _R		—	—	—	—	μA
Thermal Resistance Junction to Case	R _{jc}		S	—	2.07	—	K/W
		W	—	2.07	—		
Temperature Coefficient of Voltage	V _A F/T	S	—	-15	—	mV/°C	
		W	—	-15	—		
Color Rendering Index	Ra	S	—	80	—	—	
		W	—	80	—		

Notes:

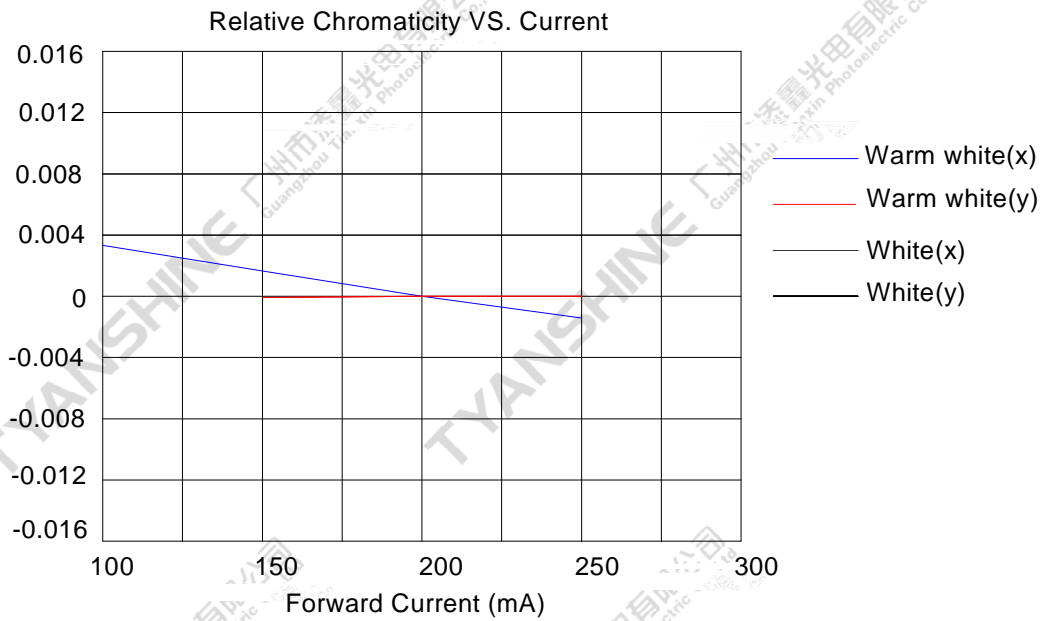
- 1.Luminous intensity is measured with a light sensor and filter combination that approximates the CIE eye-response curve.
2. 1/2 is the off-axis angle at which the luminous intensity is half the axial luminous intensity.
- 3.Luminous flux measurement tolerance:±15%.
- 4.Forward voltage measurement tolerance:±0.15V.

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Part No.

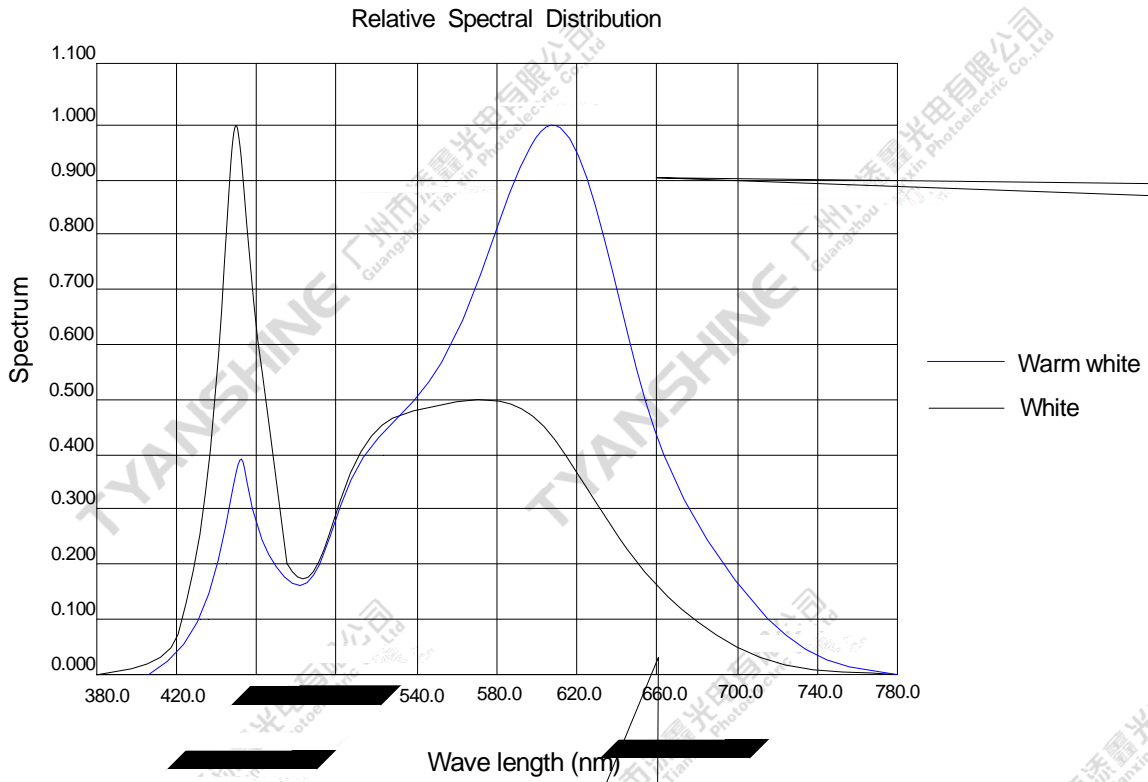
TX-1307SW08A-2860V36-10H80

Spec No.

WKF-BF0333

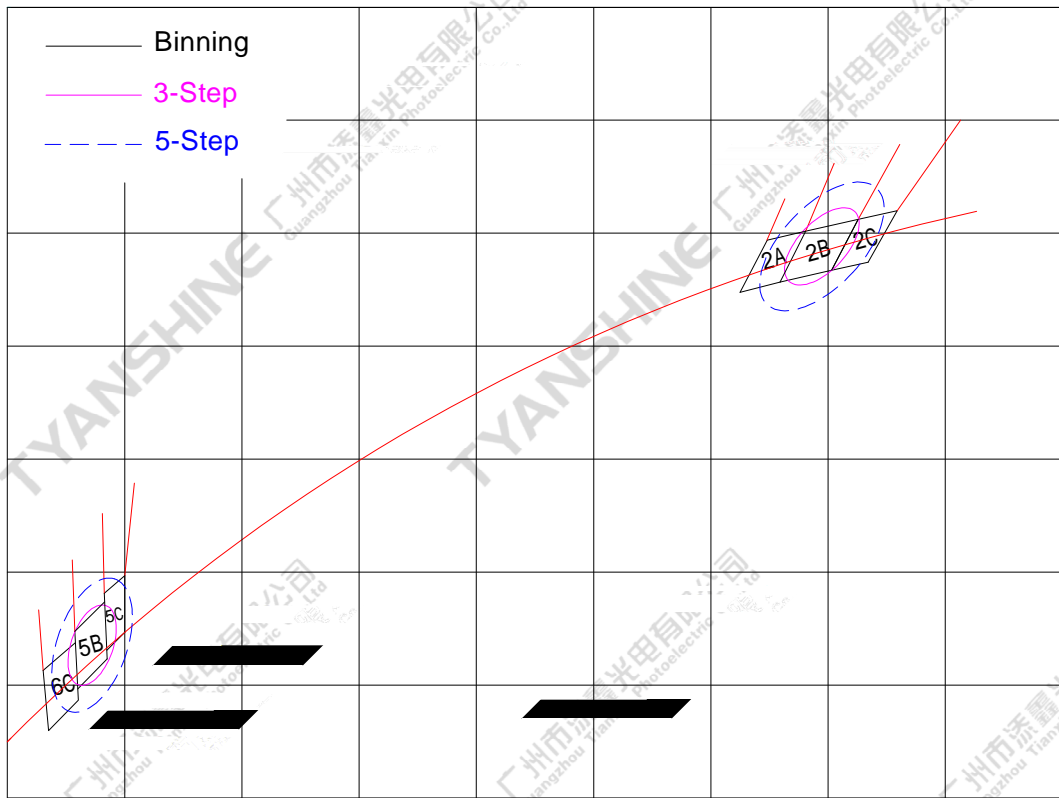
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Chromaticity Coordinates Condition IF=200mA Tc=25 "



Reliability Test

Test Item	Test Condition
Continuous Operation Test	IF=200mA 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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