

TX-1512SW11A-2860V36-10H80

PRODUCT SPECIFICATION

Features:

- ↵ Excellent transiting heat from LED chip operating under 400mA.
- ↵ 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

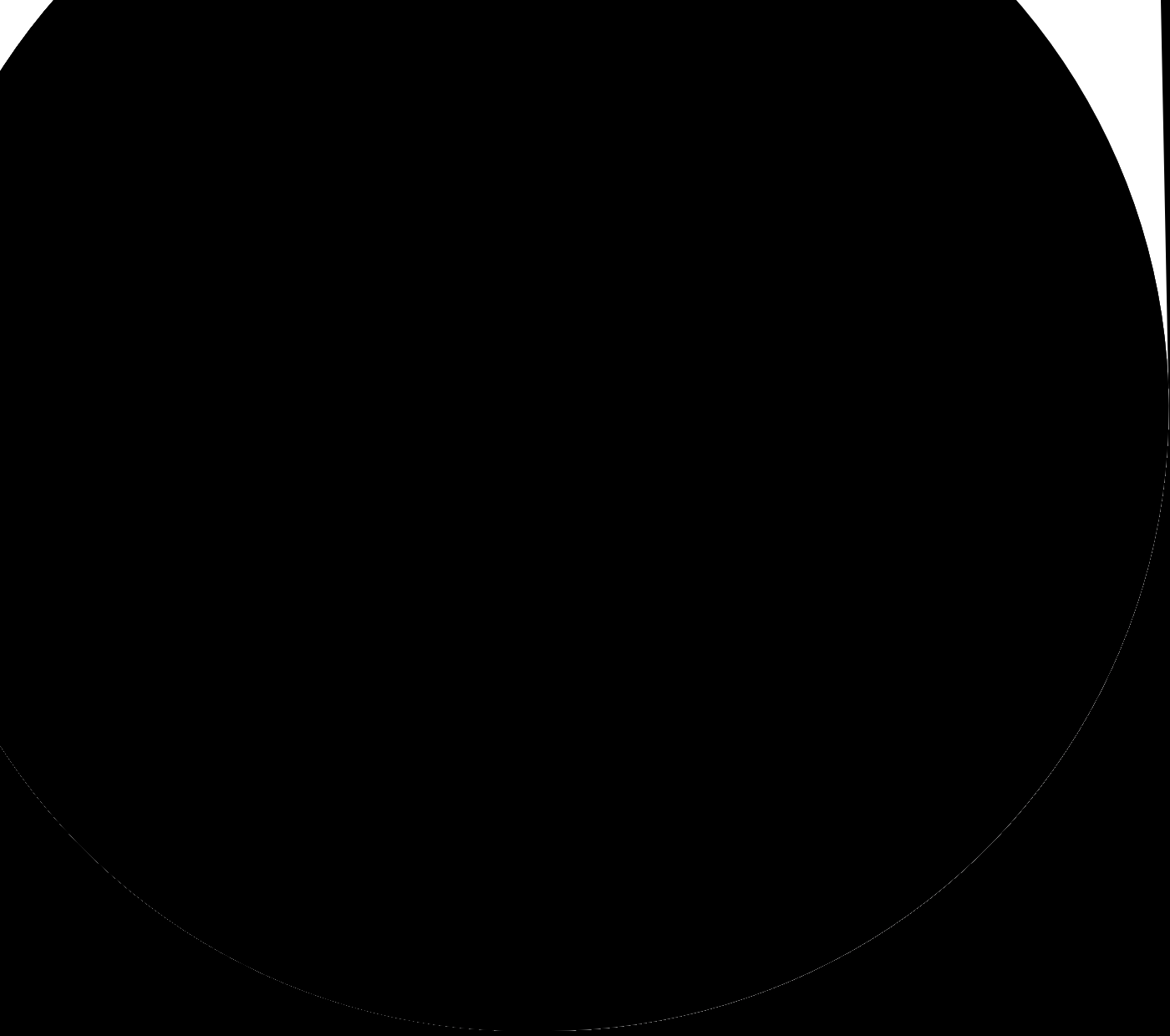
Emitting Color:

- ↵ White
- ↵ Warm white

Applications:

- ↵ Commercial lighting
- ↵ General Lighting

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Absolute Maximum Ratings

Parameter	Symbol	Ratings	Unit
Forward Current	IF	400	mA
Reverse Voltage	VR	Not designed for reverse operation	V
Power Dissipation	PD	S	15
		W	15
		S+W	15
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)

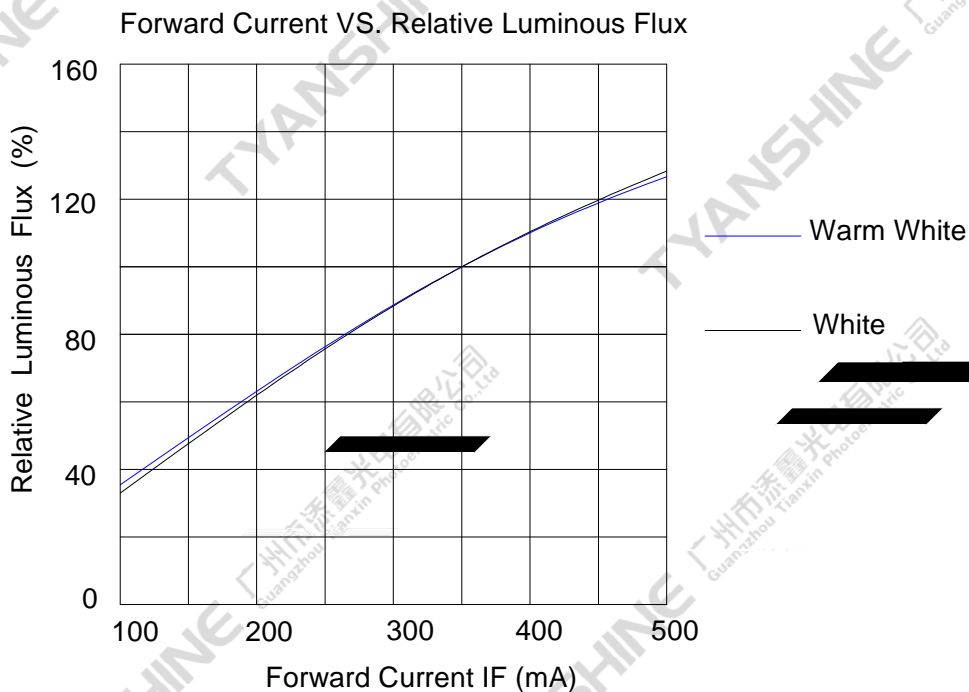
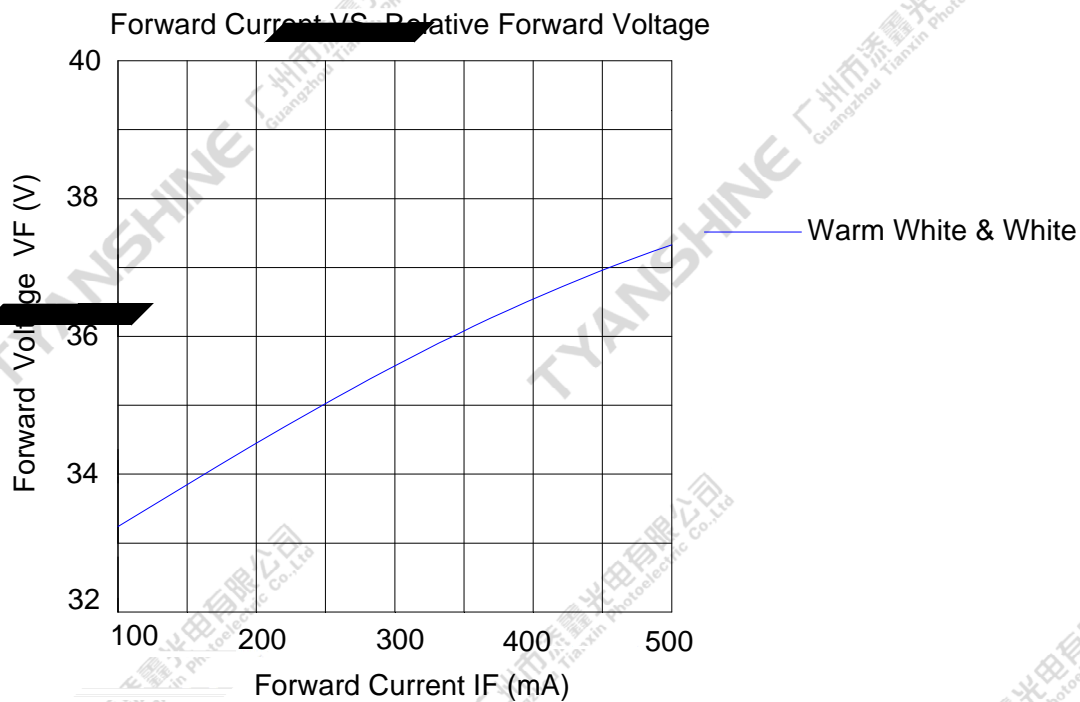
Parameter	Symbol	Condition	Emitting color	Min.	Typ.	Max.	Units
Luminous Flux	ϕ_v	If=350mA	S	—	1250	—	lm
			W	—	1500	—	
Forward Voltage	V_f		S	34	36	38	V
			W	34	36	38	
Correlated Colour Temperature	CCT		S	—	2800	—	K
			W	—	6000	—	
Viewing Angle at 50°IV	$2\theta_{1/2}$		S	—	115	—	Deg
			W	—	115	—	
Reverse Current	I_R		—	—	—	—	μA
Thermal Resistance Junction to Case	$R\theta_{J-C}$		S	—	1.04	—	K/W
		W	—	1.04	—		
Temperature Coefficient of Voltage	$V_A F/T$	If=350mA	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 .

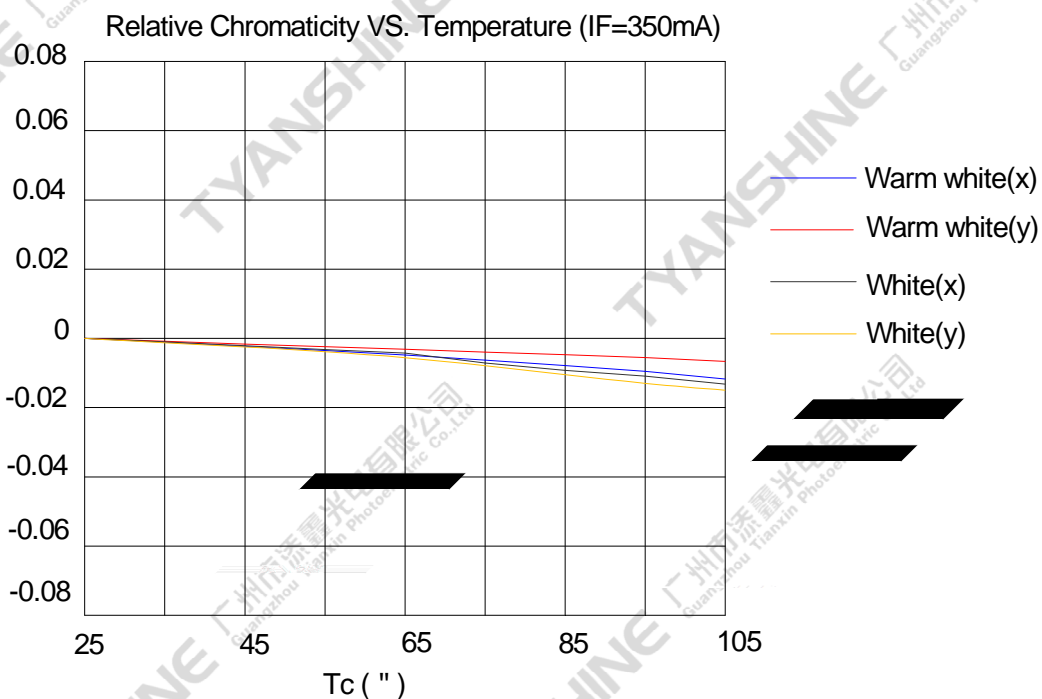
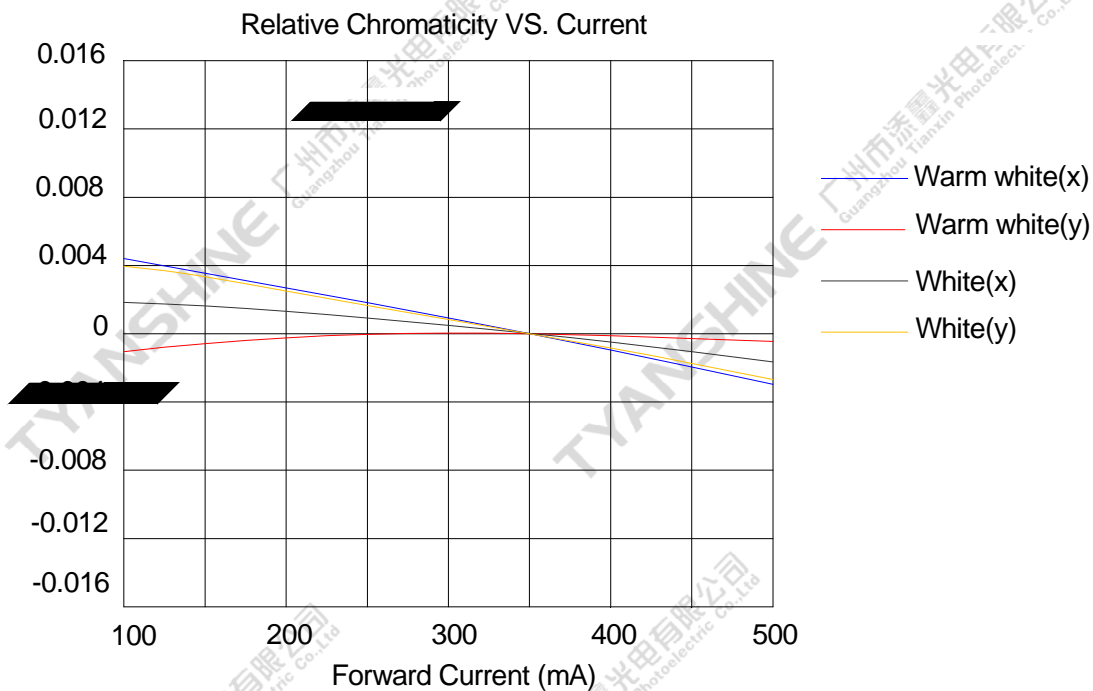
Typical Electrical/Optical Characteristics Curves

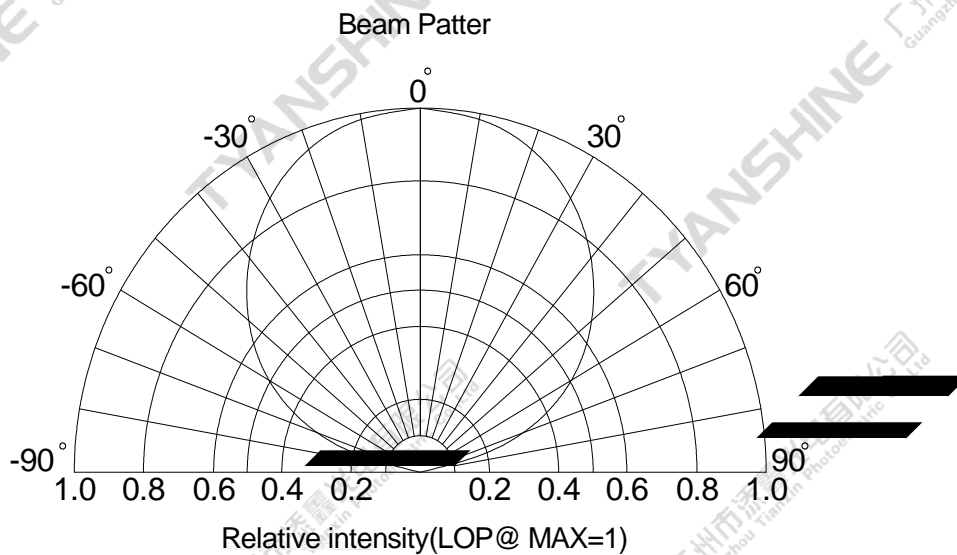
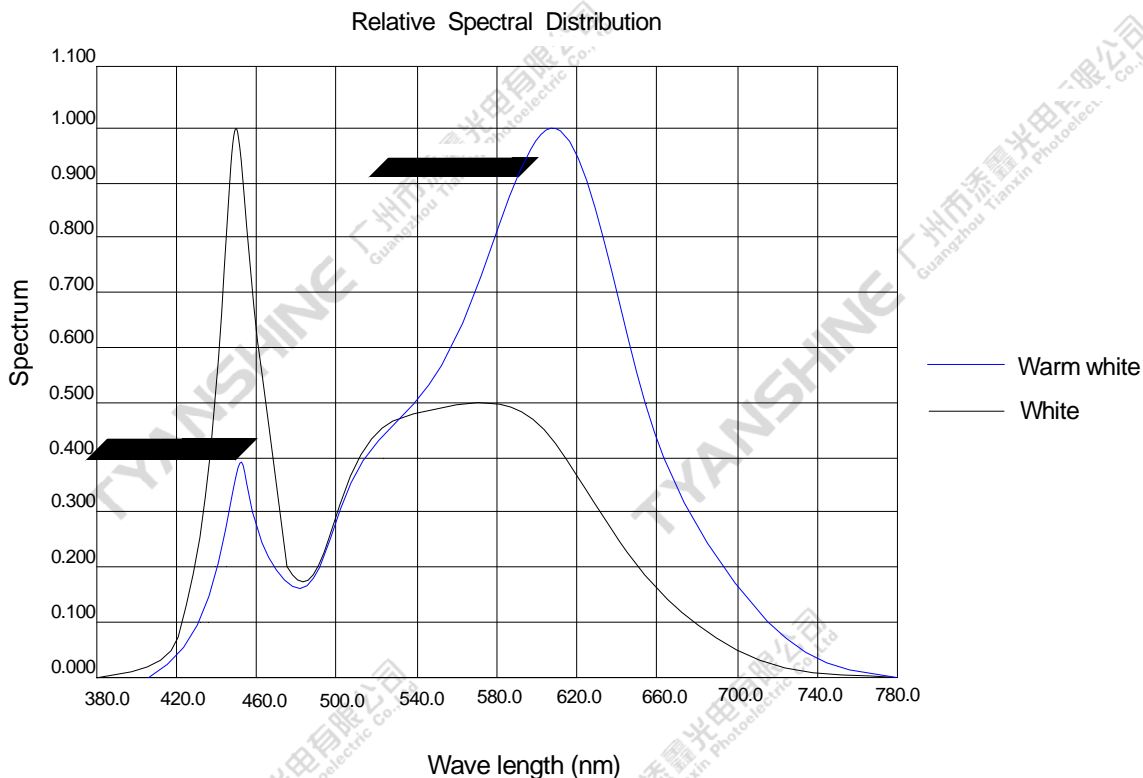
(25 °C Ambient Temperature Unless Otherwise Noted)



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Notes:

1. $2\theta_{1/2}$ 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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