

# H2560SW21A-2757V36-02H90

## PRODUCT SPECIFICATION

### Features:

- ↵ Excellent transiting heat from LED chip operating under 2800mA.
- ↵ 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	2800	mA
Reverse Voltage	V		

**Notes:**

1. Specifications are subject to change without notice.
2. Under the stipulated Characteristics parameters above, the life span of the LED is more than 50,000hours.
3. The data on this specification is for reference only and the actual data is in accordance with the acknowledgment.
4. 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)

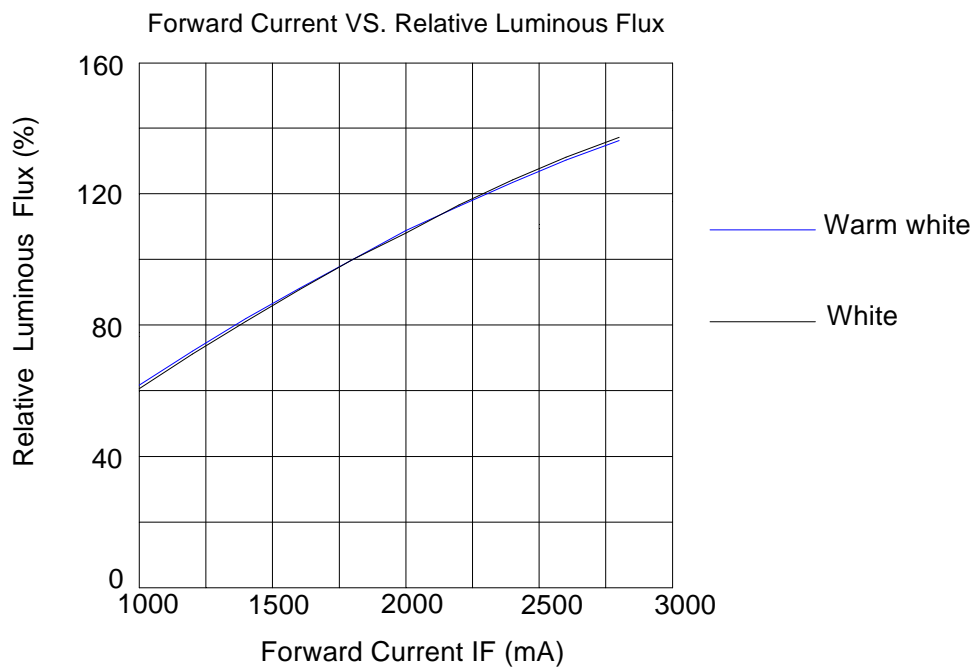
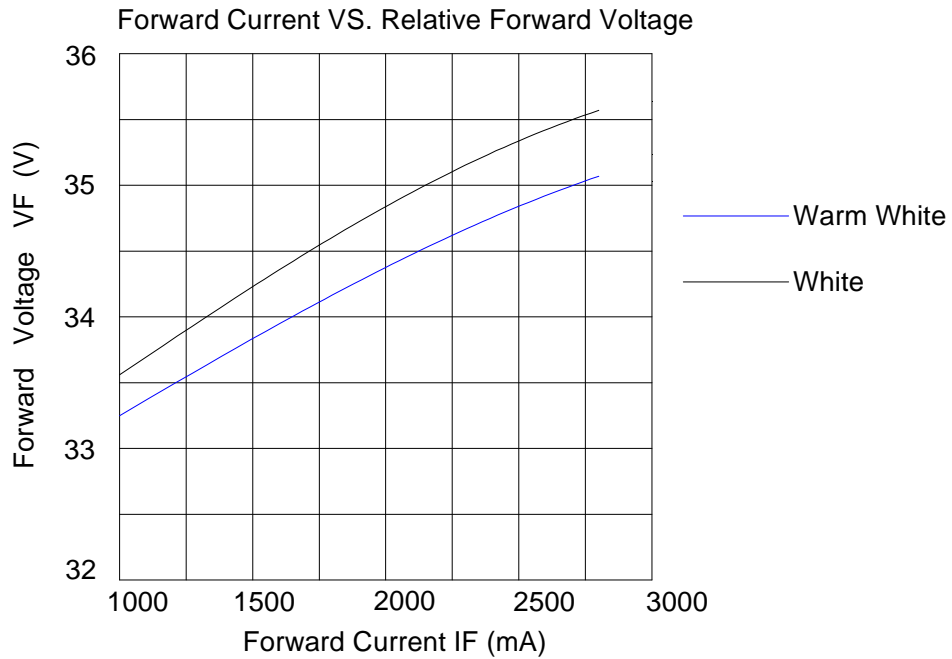
Parameter	Symbol	Condition	Emitting color	Min.	Typ.	Max.	Units
Luminous Flux	v	If=1800mA	S	—	4750	—	lm
			W	—	6350	—	
Forward Voltage	V <sub>f</sub>		S	32	34	36	V
			W	32	34	36	
Correlated Colour Temperature	CCT		S	—	2800	—	K
			W	—	5800	—	
Viewing Angle at 50° <sub>軸</sub> IV	2 1/2		S	—	115	—	Deg
			W	—	115	—	
Reverse Current	I <sub>R</sub>		—	—	—	—	μA
Thermal Resistance Junction to Case	R <sub>J-C</sub>		S	—	0.11	—	K/W
		W	—	0.12	—		
Temperature Coefficient of Voltage	V <sub>A</sub> F/T	S	—	-13.2	—	mV/ "	
		W	—	-13.2	—		
Color Rendering Index	Ra	S	—	90	—	—	
		W	—	90	—		

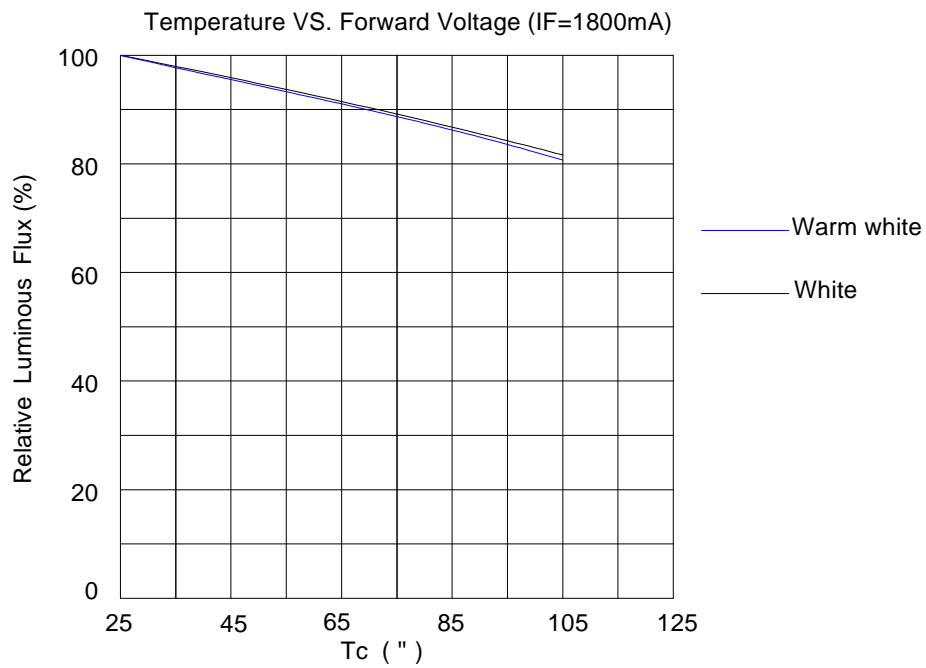
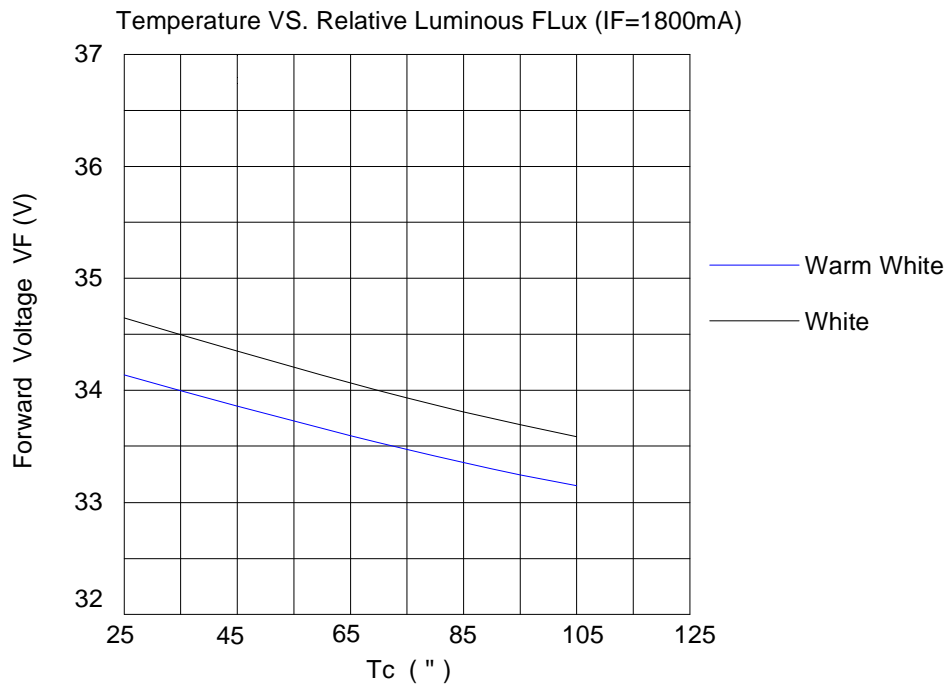
**Notes:**

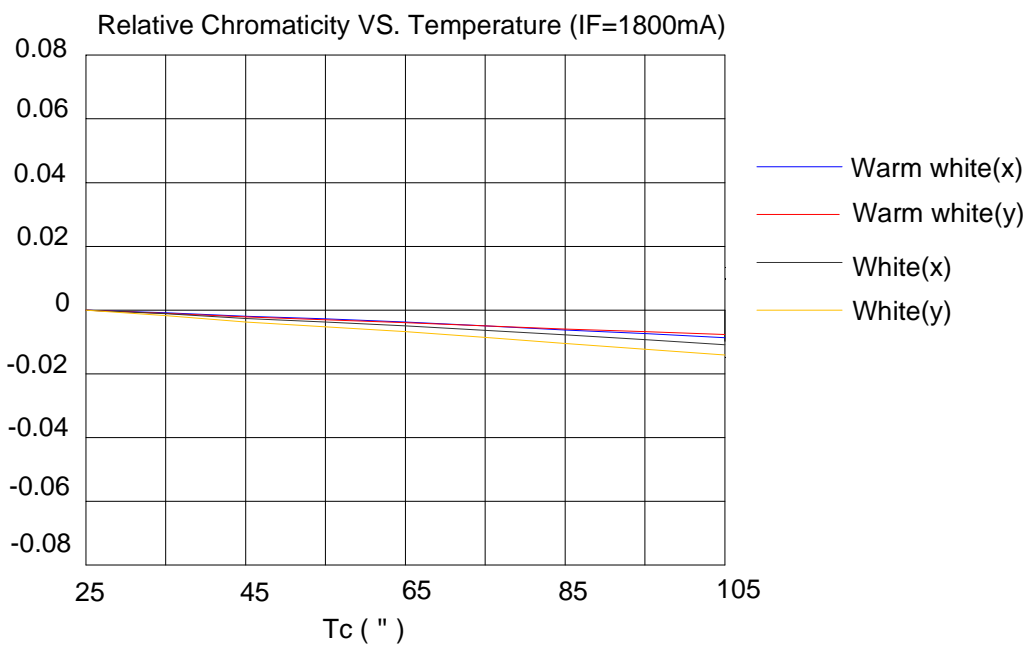
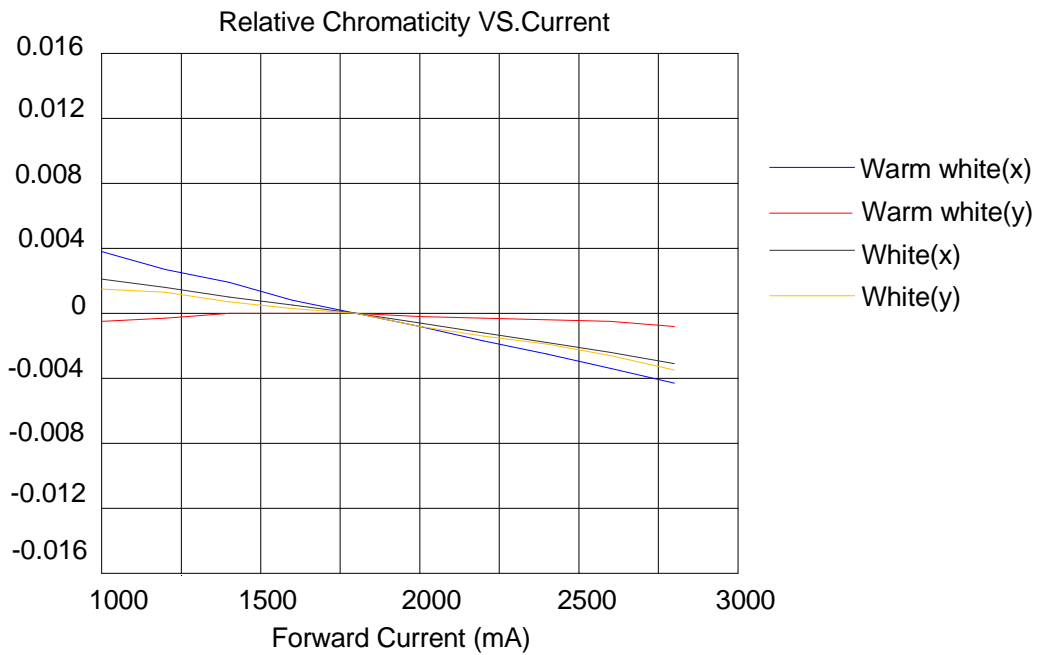
- 1.Luminous intensity is measured with a light sensor and filter combination that approximates the CIE eye-response curve.
2. 1/2 is the off-axis angle at which the luminous intensity is half the axial luminous intensity.
- 3.Luminous flux measurement tolerance:±15%.
- 4.Forward voltage measurement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

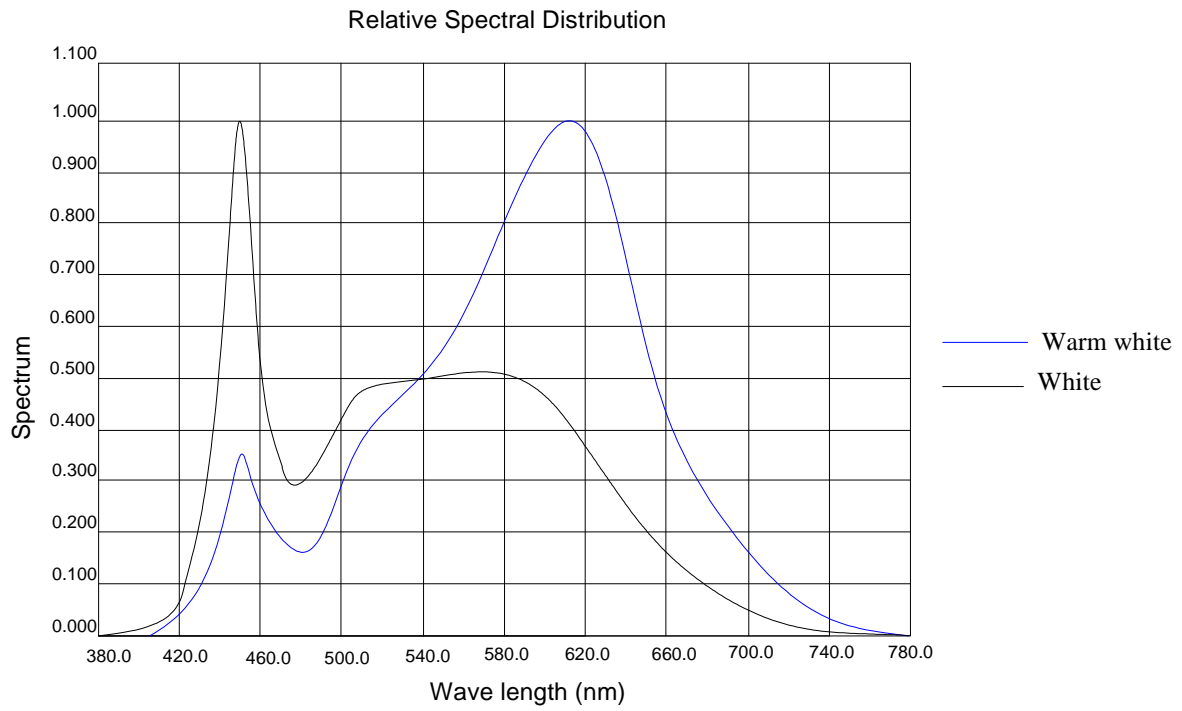
## Typical Electrical/Optical Characteristics Curves

(25 ° Ambient Temperature Unless Otherwise Noted)



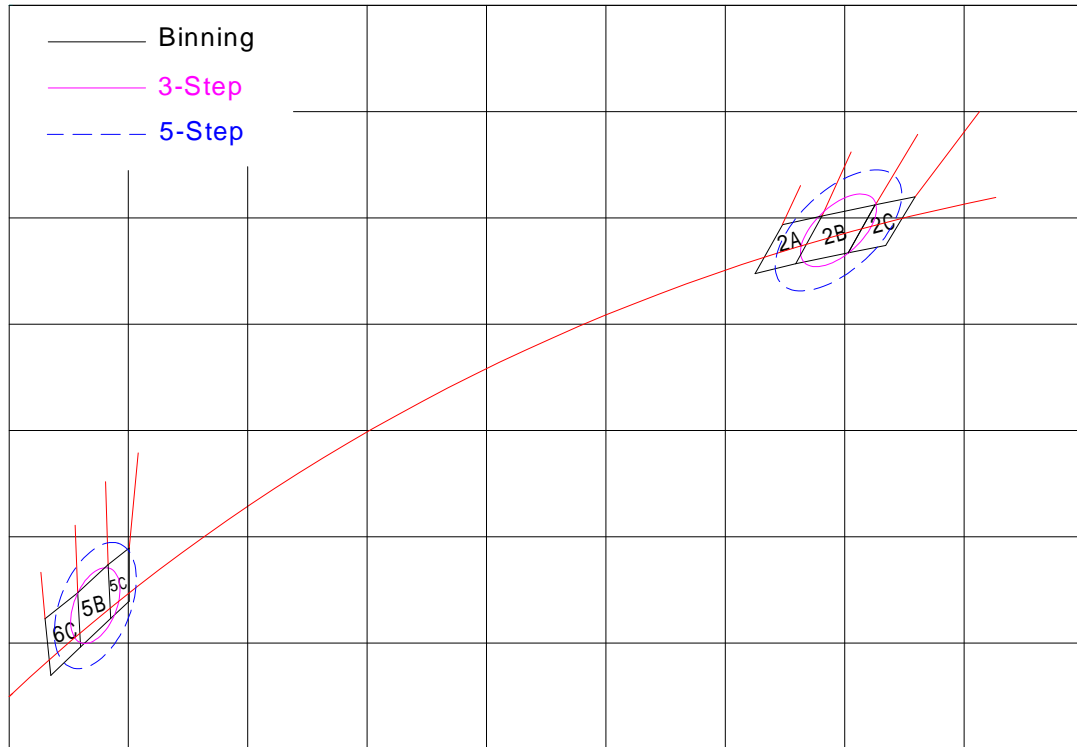








**Chromaticity Coordinates** 哎 Condition IF=1800mA Tc=25 " 唉



**Reliability Test**

Test Item	Test Condition
Continuous Operation Test	IF=1800mA Ta=25 " x1000hrs
Low Temperature Storage Test	-30 " x 1000 hours
High Temperature Storage Test	100 " x 1000 hours
Moisture-proof Test	85 " , 85 %RH for 500 hours
Thermal Shock Test	-30 " x 30 minutes – 100 " x 30 minutes, 100 cycle

