

# H1935SW17A-2757V36-02H90

## PRODUCT SPECIFICATION

### Features:

- ↵ Excellent transiting heat from LED chip operating under 1600mA.
- ↵ 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

Part No.	H1935SW17A-2757V36-02H90	Spec No.	WKF-BF0325	Page	1 of 11
----------	--------------------------	----------	------------	------	---------



## Absolute Maximum Ratings

Parameter	Symbol	Ratings	Unit
Forward Current	IF	1600	mA
Reverse Voltage	VR	Not designed for reverse operation	V
Power Dissipation	WD	56	W
	SD	56	
Junction Temperature	Tj	W	135
		S	135
Case Temperature (C)	Tc	85	"

Electrostatic Disch 179.8.6(n)4.rJ ET Qq /Cs1 cs 0 0 0 scn BT /TT1 1 Tf 10.459826 509.75149 cm 1.00000 0

### Notes:

- Specifications are subject to change without notice.
- Under the stipulated Characteristics parameters above, the life span of the LED is more than 50,000hours.
- 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)

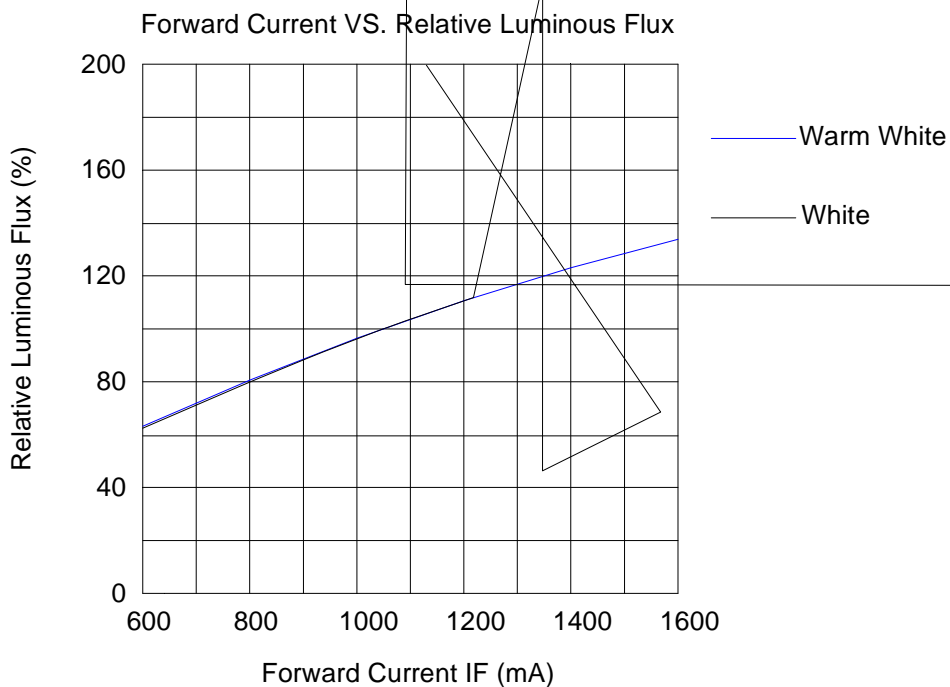
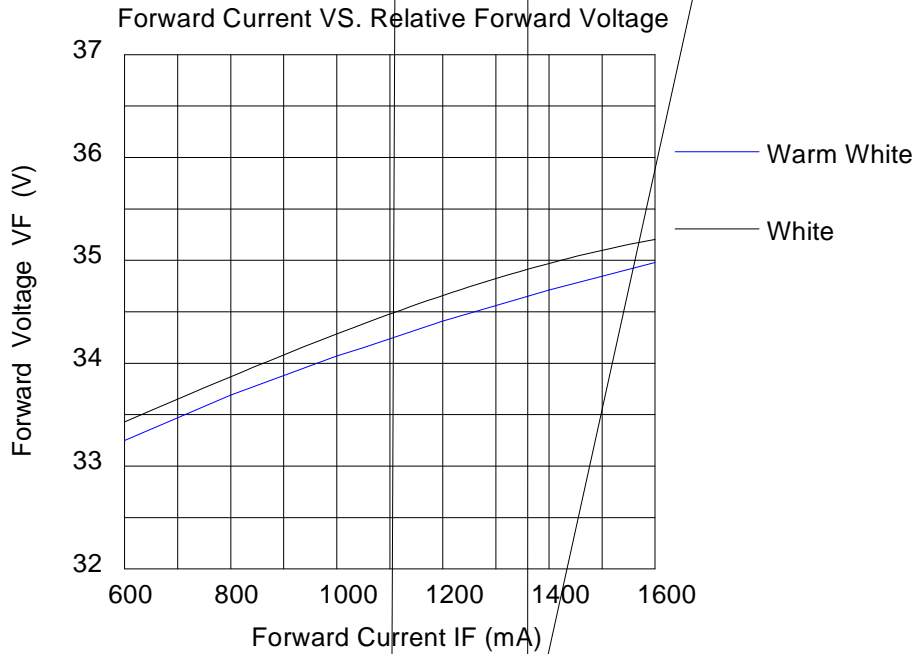
Parameter	Symbol	Condition	Emitting color	Min.	Typ.	Max.	Units
Luminous Flux	N <sub>v</sub>		S	No.	<del>2600</del>		
		If=1050mA					

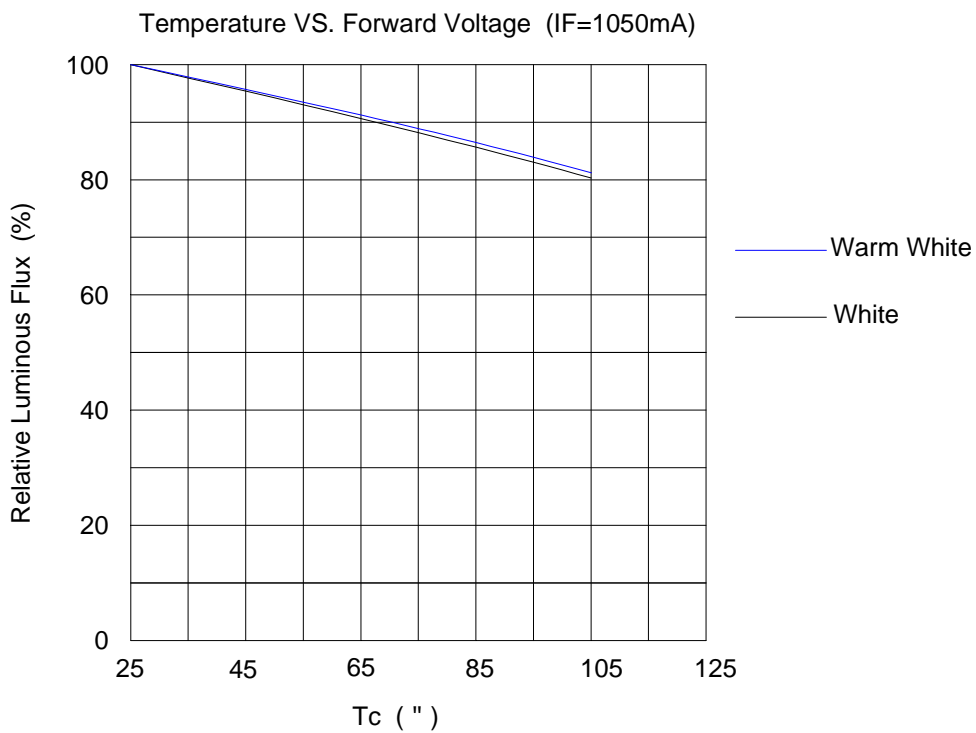
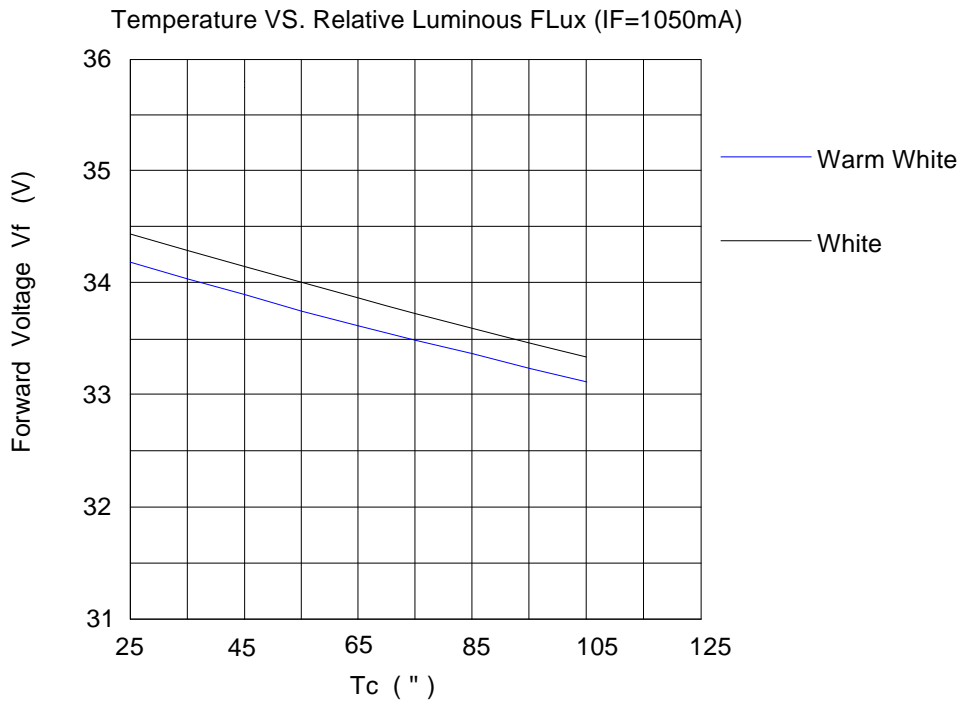
**Notes:**

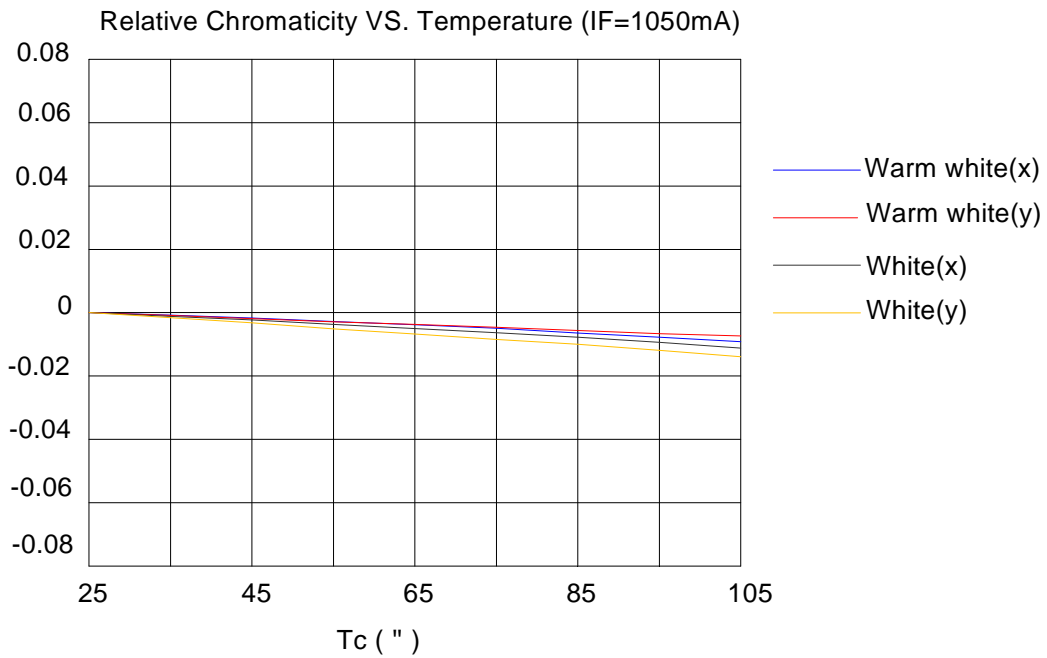
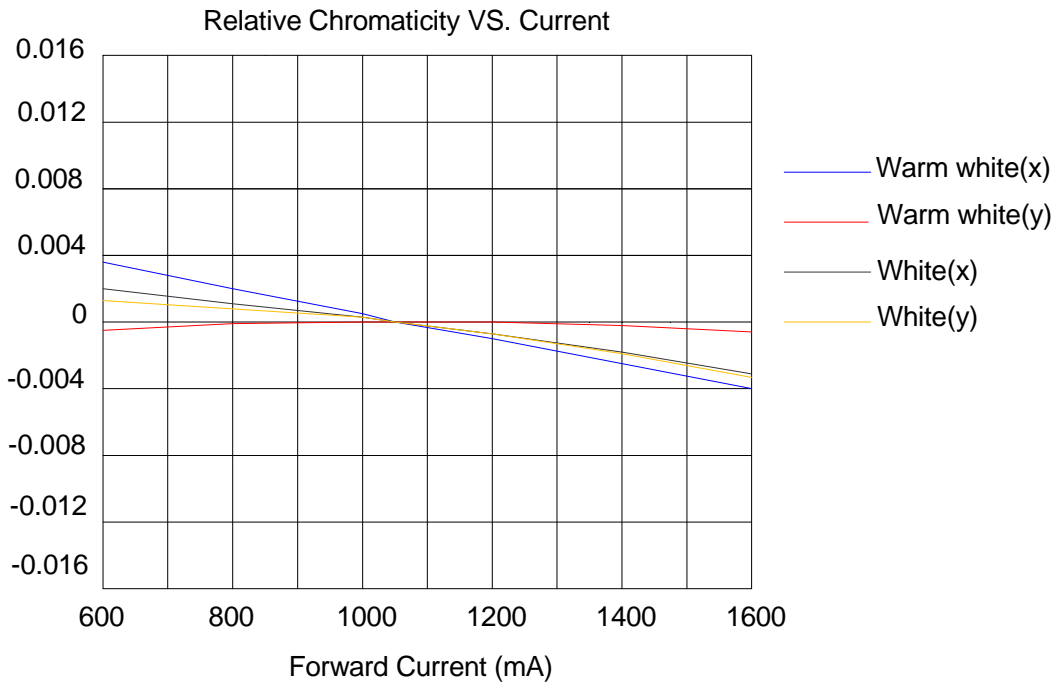
- 1.Luminous intensity is measured with a light sensor and filter combination that approximates the CIE eye-response curve.
2.  $\frac{1}{2}$  is the off-axis angle at which the luminous intensity is half the axial luminous intensity.
- 3.Luminous flux measurement tolerance:±15%.
- 4.Forward Voltage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

## Typical Electrical/Optical Characteristics Curves

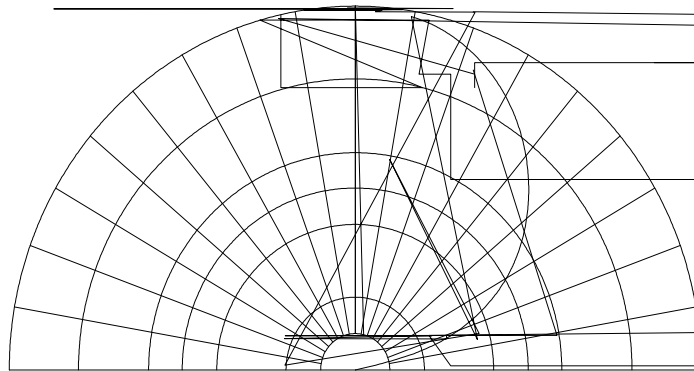
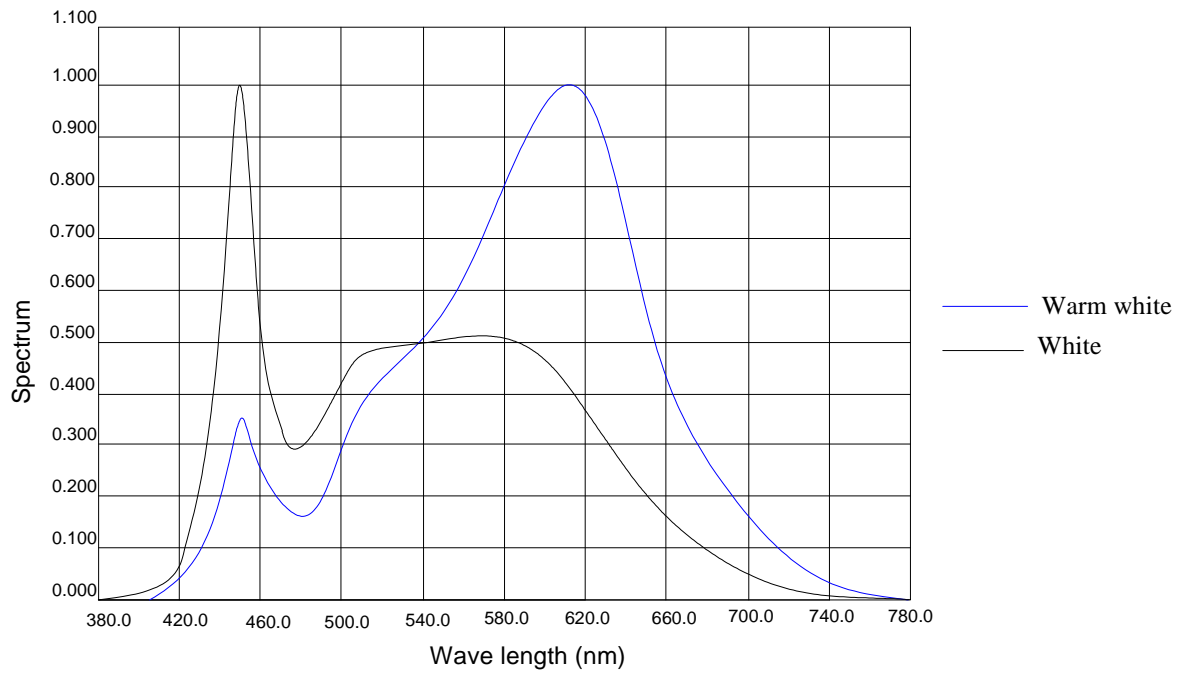
(25 " Ambient Temperature Unless Otherwise Noted)





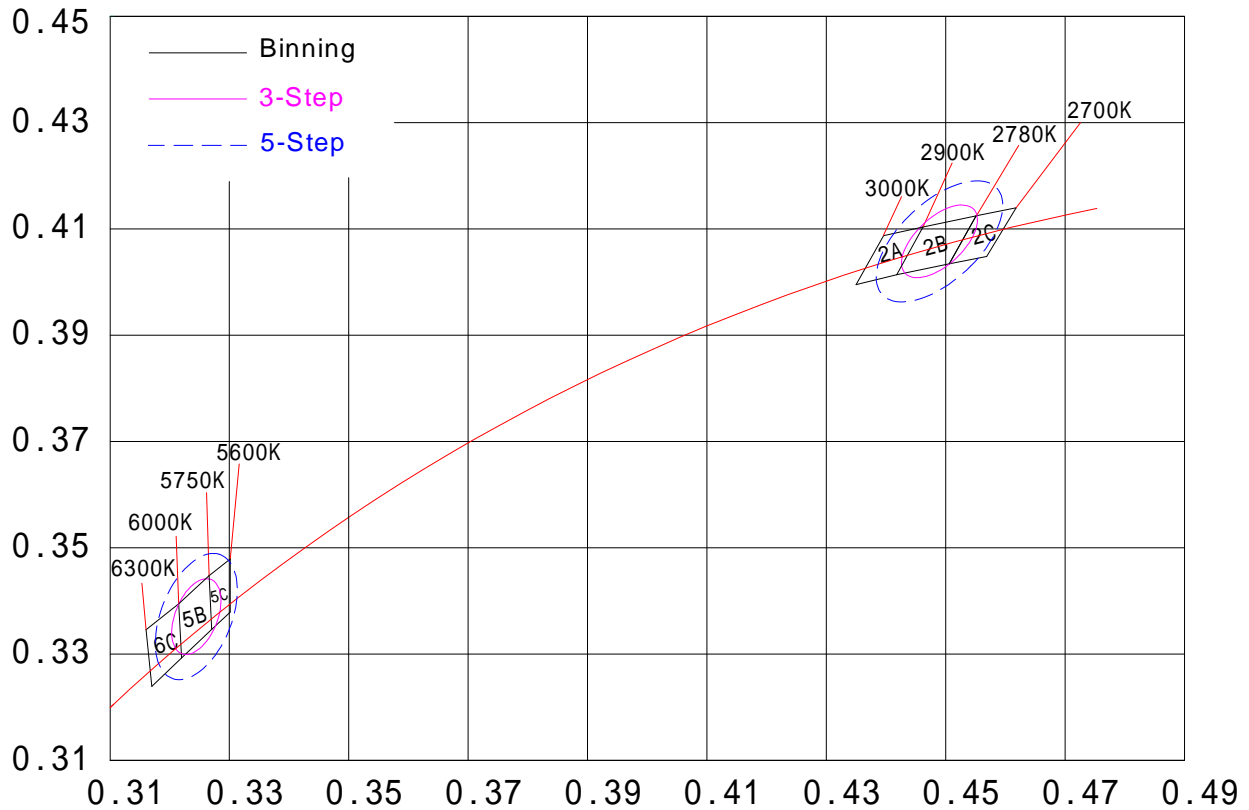


Relative Spectral Distribution





**Chromaticity Coordinates Condition IF=1050mA Tc=25 "**



**Reliability Test**

Test Item	Test Condition
Continuous Operation Test	IF=1050mA 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

## Dimensions For Cannulation And Packaging

Quantity: 36PCS

