

H1516SW11A-2757V36-02H95

PRODUCT SPECIFICATION

Features:

- ↵ Excellent transiting heat from LED chip operating under 800mA.
- ↵ 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	800	mA
Reverse Voltage	V _R	Not designed for reverse operation	V
Power Dissipation	P _D	W	28
		S	28
Junction Temperature	T _j	W	135
		S	135
Case Temperature (C)	T _c	85	"
Electrostatic Discharge Threshold (ESD)	ESD	2000	V
Storage Temperature	T _{stg}	-30~+100	"
Operation Temperature	T _{opr}	-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)

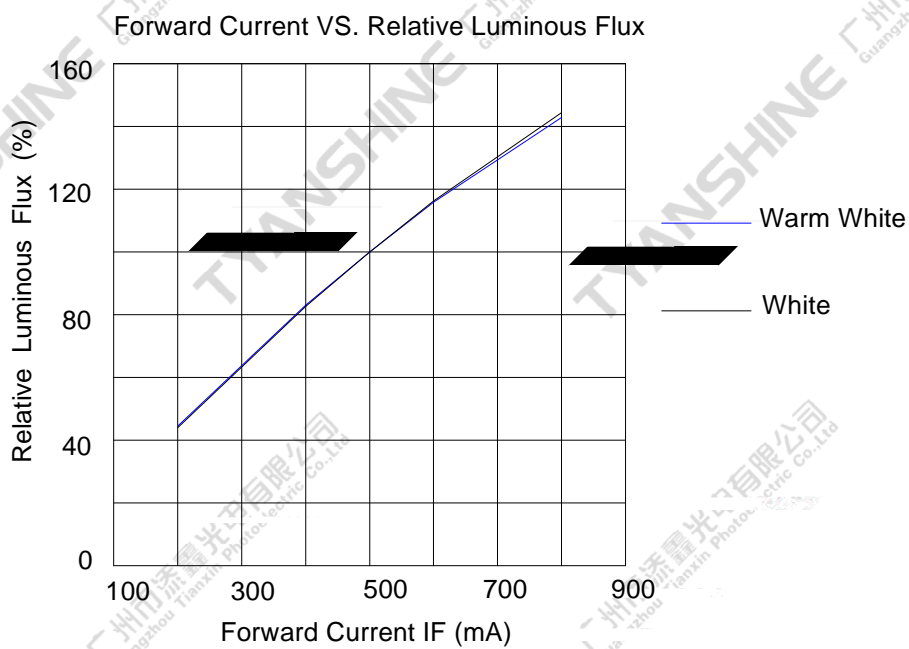
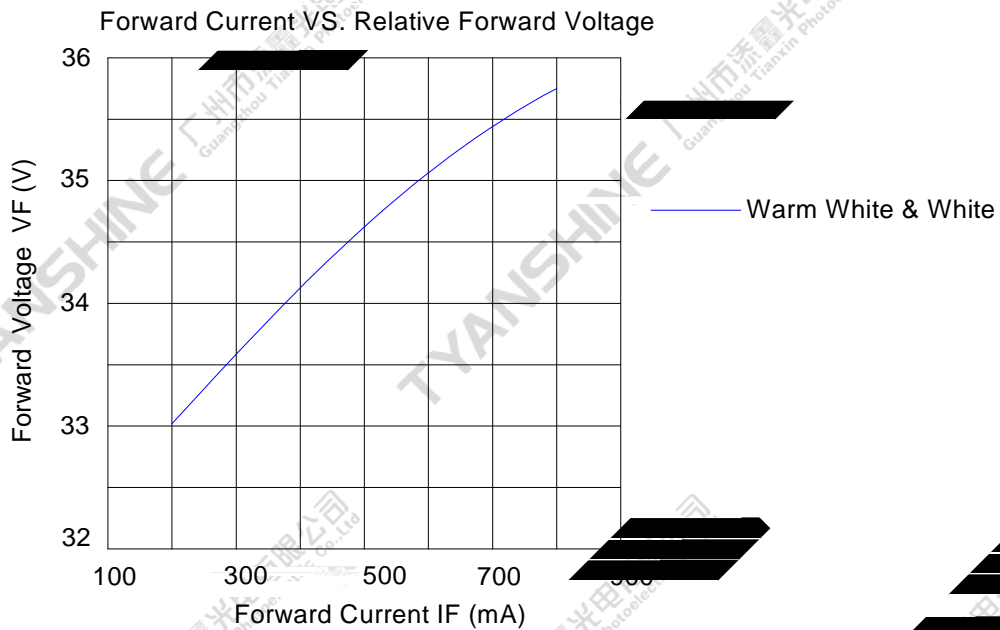
Parameter	Symbol	Condition	Emitting color	Min.	Typ.	Max.	Units
Luminous Flux	N _v		S	—	1200	—	lm
			W	—	1700	—	
Forward Voltage	V _f	If=500mA	S	32	34	36	V
			W	32	34	36	
Correlated Colour Temperature	CCT		S	—	2800	—	K
			W	—	5800	—	
Viewing Angle at 50°IV	2 1/2		S	—	115	—	Deg
			W	—	115	—	
Reverse Current	I _R		—	—	—	—	μA
Thermal Resistance Junction to Case	R _{J-C}		S	—	0.41	—	K/W
			W	—	0.41	—	
Temperature Coefficient of Voltage	V _A F/T	If=500mA	S	—	-13.6	—	mV/°C
			W	—	-13.6	—	
Color Rendering Index	Ra		S	—	95	—	—
			W	—	95	—	

Notes:

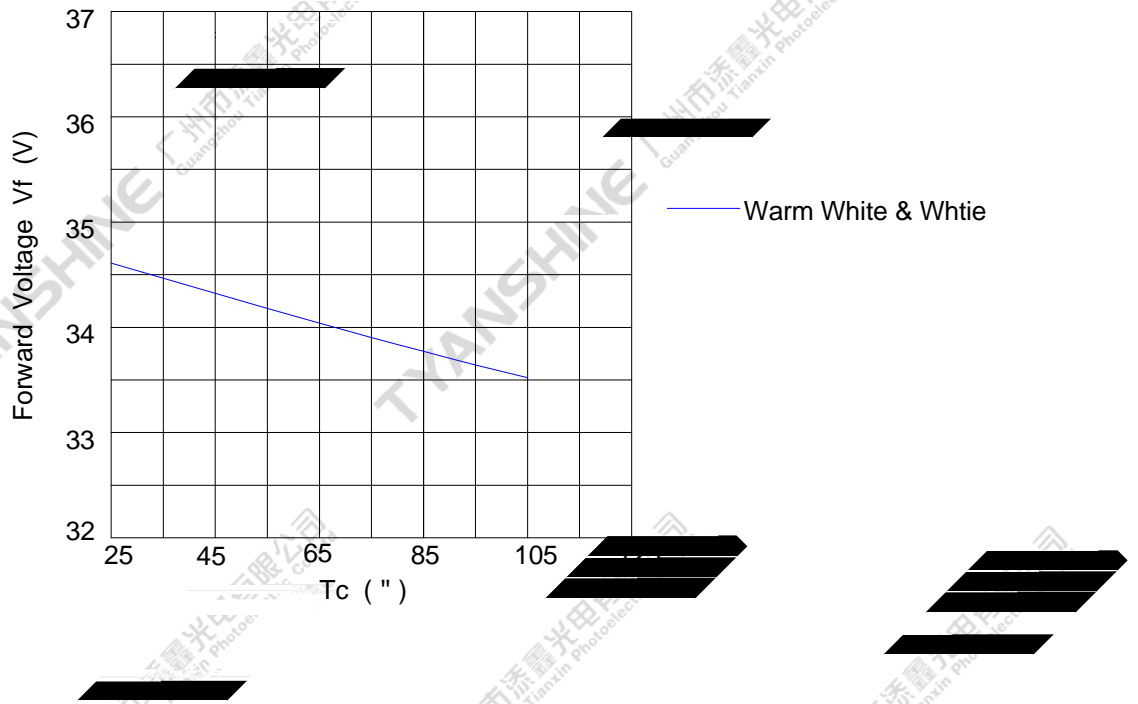
- 1.Luminous intensity is measured with a light sensor and filter combination that approximates the CIE eye-response curve.
2. 1/2 is the off-axis angle at which the luminous intensity is half the axial luminous intensity.
- 3.Luminous flux measurement tolerance:±15%.
- 4.Forward voltage measurement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

Typical Electrical/Optical Characteristics Curves

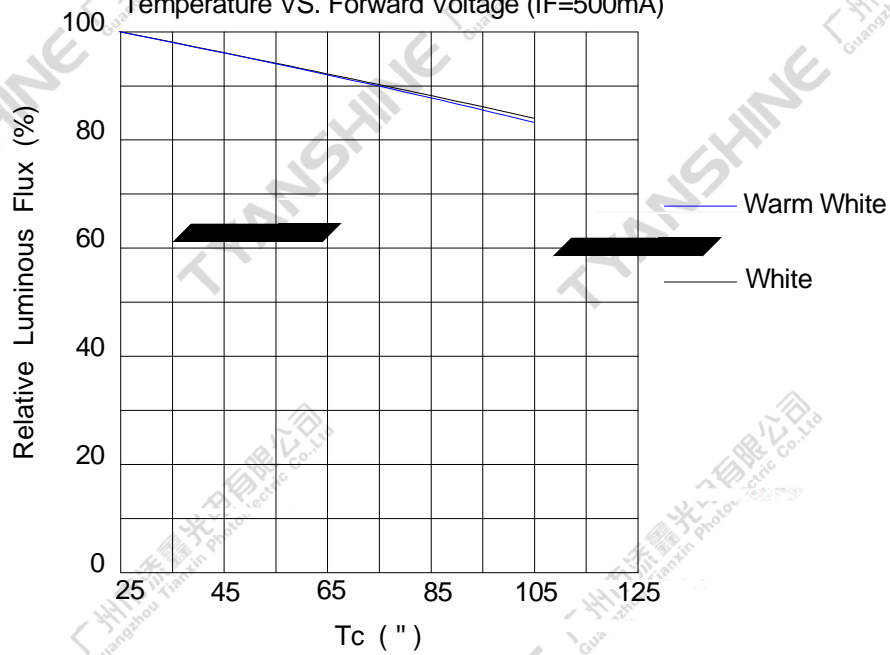
(25 ° Ambient Temperature Unless Otherwise Noted)



Temperature VS. Relative Luminous FLux (IF=500mA)



Temperature VS. Forward Voltage (IF=500mA)



Chromaticity Coordinates Condition IF=500mA Tc=25 "

