



# H1825SW14A-2757V36-02H95

## PRODUCT SPECIFICATION

**Features:**

- ↵ Excellent transiting heat from LED chip operating under 1200mA.
- ↵ 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

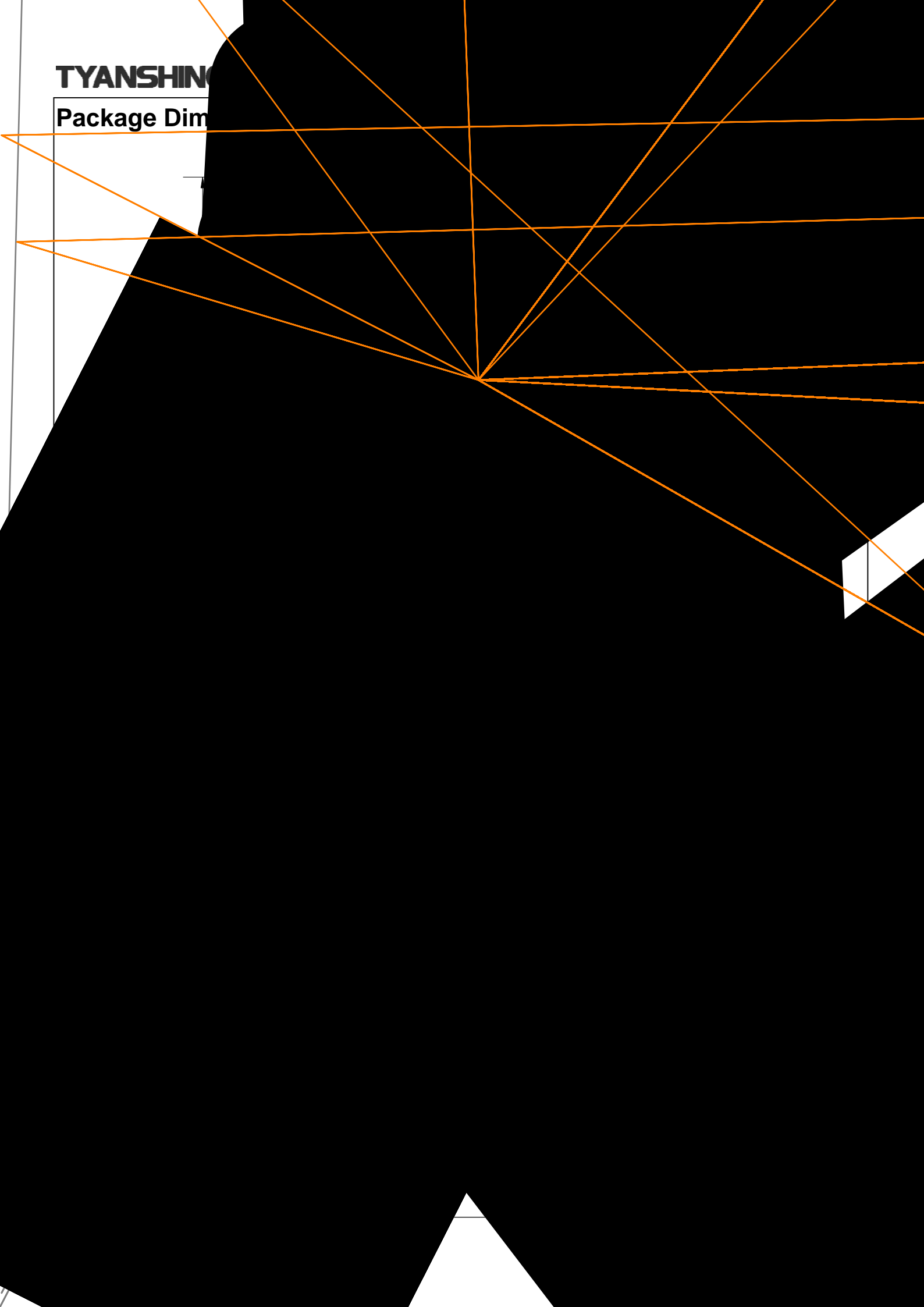
**Applications:**

- ↵ Commercial lighting
- ↵ General Lighting

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**TYANSHING**

**Package Dim**





**Absolute Maximum Ratings**

Parameter	Symbol	Ratings	Unit	
Forward Current	IF	1200	mA	
Reverse Voltage	VR	Not designed for reverse operation	V	
Power Dissipation	PD	W	43	W
		S	43	
Junction Temperature	Tj	W	135	"
		S	135	
Case Temperature (C)	Tc	85	"	
Electrostatic Discharge Threshold (ESD)	ESD	2000	V	
Storage Temperature	Tstg	-30~+100	"	
Operation Temperature	Topr	-30~+80		

**Notes:**

- 1.Specifications are subject to change without notice.
- 2.The data on this specification is for reference only and the actual data is in accordance with the acknowledgment.
- 3.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>	If=750mA	S	—	1900	—	lm
			W	—	2500	—	
Forward Voltage	V <sub>f</sub>		S	32	34	36	V
			W	32	34	36	
Correlated Colour Temperature	CCT		S	—	2700	—	K
			W	—	5700	—	
Viewing Angle at 50 <sup>cd</sup> /V	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	—	0.53	—	K/W
		W	—	0.53	—		
Temperature Coefficient of Voltage	V <sub>A</sub> F/T	S	—	-13.2	—	mV/ "	
		W	—	-13.2	—		
Color Rendering Index	Ra	S	—	95	—	—	
		W	—	95	—		

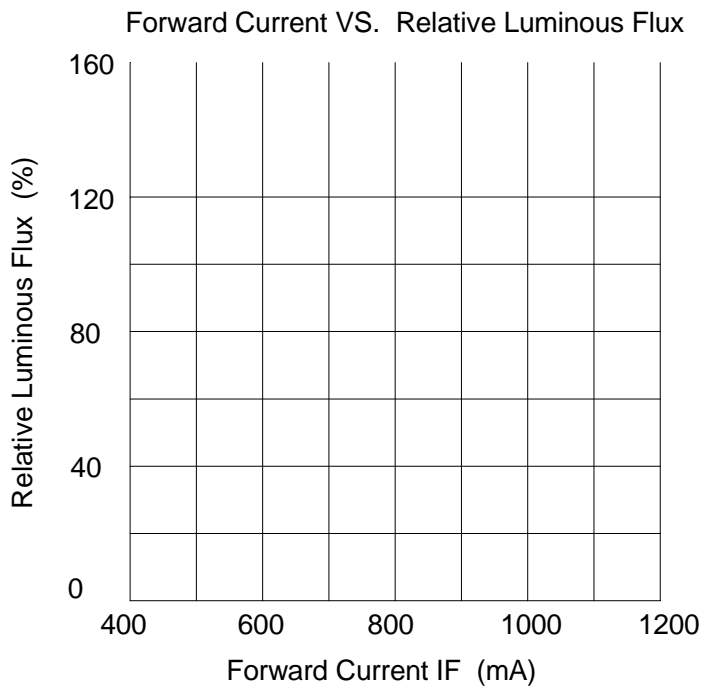
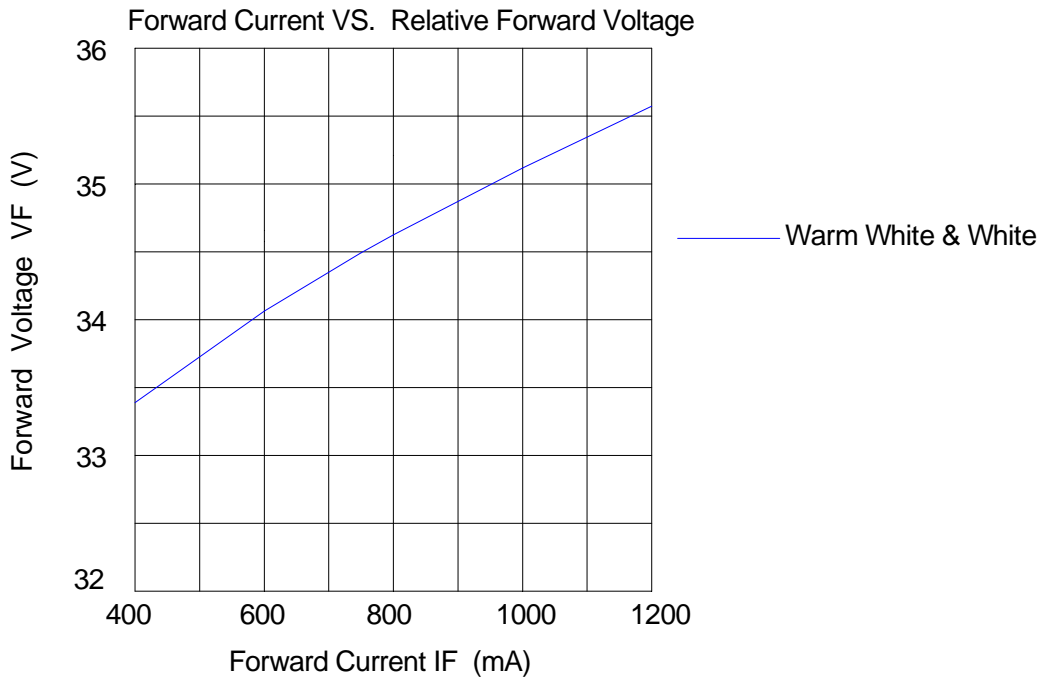
**Notes:**

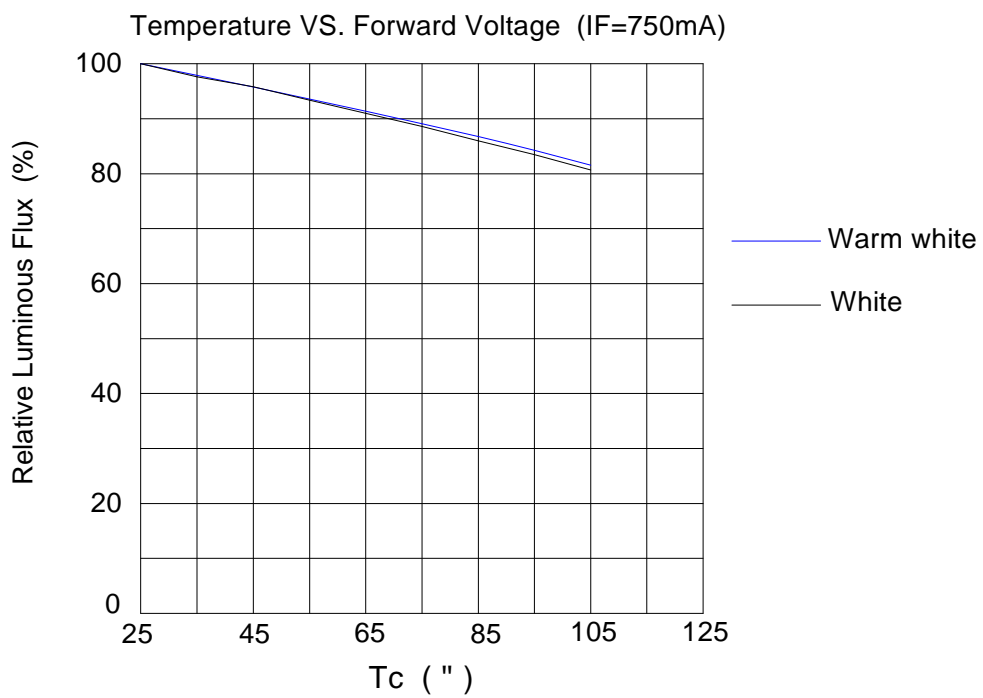
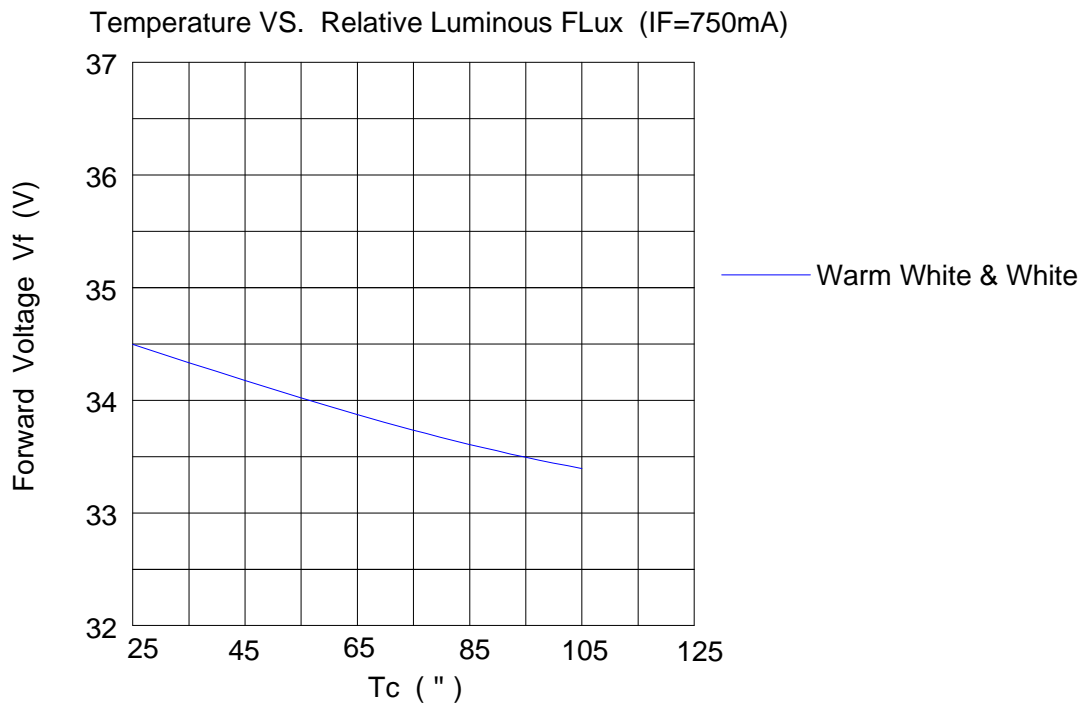
- 1.Luminous intensity is measured with a light sensor and filter combination that approximates the CIE eye-response curve.
2. 1/2 is the off-axis angle at which the luminous intensity is half the axial luminous intensity.
- 3.Luminous flux measurement tolerance:±15%.
- 4.Forward voltage measurement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



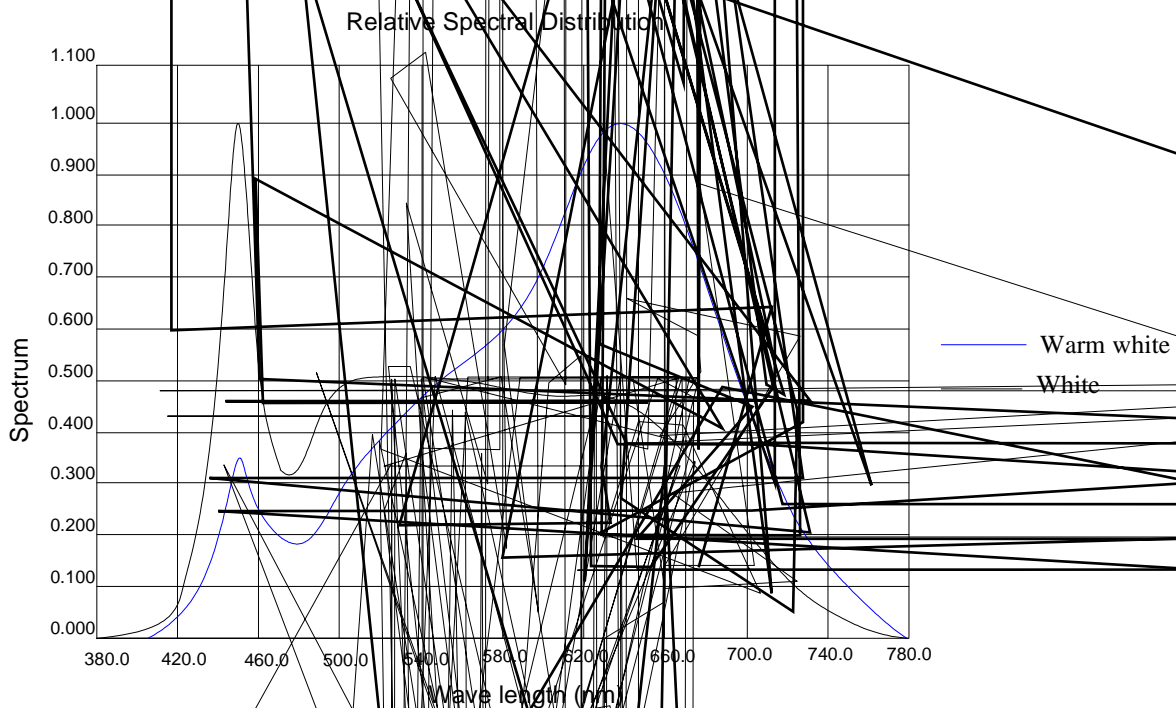
## Typical Electrical/Optical Characteristics Curves

(25 ° Ambient Temperature Unless Otherwise Noted)





**TYANSHINE**





**Chromaticity Coordinates** 哎 **Condition IF=750mA Tc=25 " 唉**

