

# TX-3636W160FC120-NUVENG-A01

## PRODUCT SPECIFICATION

### Features:

High luminous output.

No UV.

Encapsulated materials are environmentally certified and meet environmental requirements.

### Chip Material:

GaN

### Emitting Color:

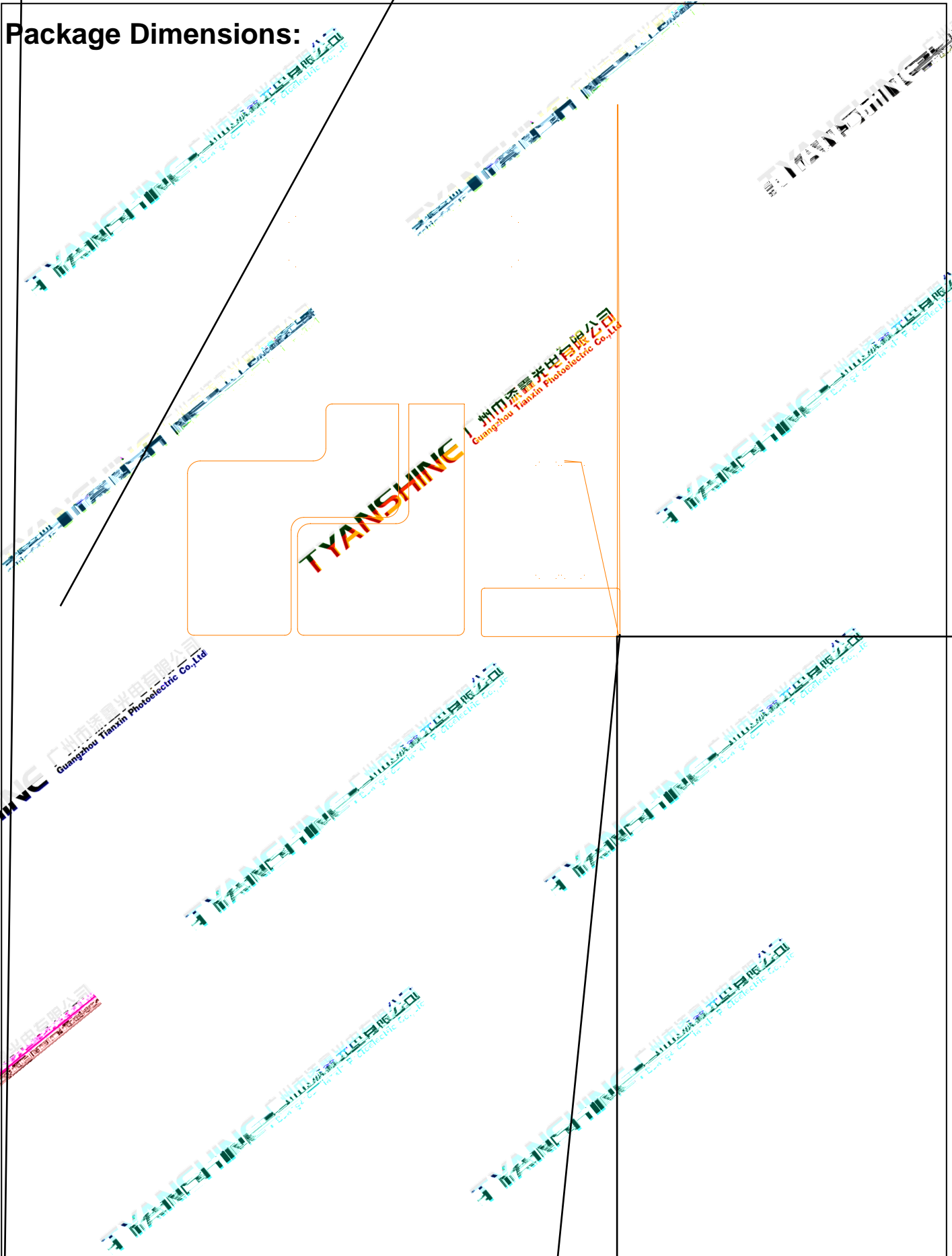
White W

### Applications:

Auxiliary lighting

Architectural lighting

# Package Dimensions:



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## Absolute Maximum Ratings (Tc=25 )

Parameter	Symbol	Ratings	Unit
Forward Current	IF	10.5	A
Reverse Voltage	V <sub>R</sub>	Not designed for reverse operation	V
Power Dissipation	P <sub>D</sub>	160	W
Junction Temperature	T <sub>j</sub>	150	
Electrostatic Discharge Threshold (ESD)	ESD	2000	V
Storage Temperature	T <sub>stg</sub>	-20~+70	
Operation Temperature	T <sub>op</sub>	-30~+85	

### 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.

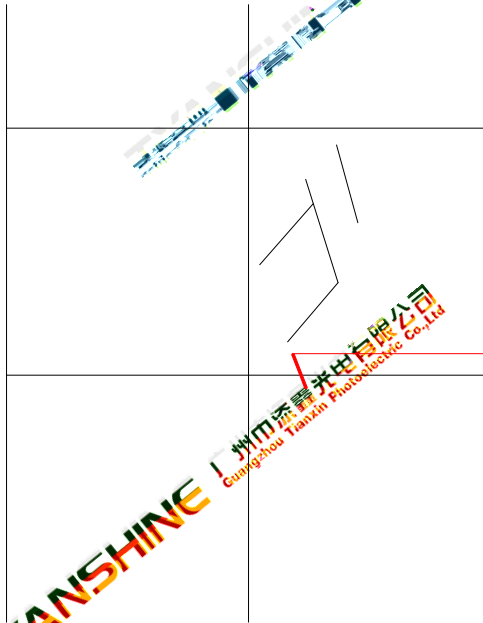
## Electrical Optical Characteristics (IF=10A,Tc=25 )

Parameter	Symbol	Min.	Typ.	Max.	Units
Luminous Flux	$\nu$	8000	—	11000	lm
Correlated Colour Temperature	CCT	7500	—	10000	K
Forward Voltage	$V_f$	13	15.5	18	V
Viewing Angle at 50° IV	$2\ 1/2$	—	120	—	Deg
Spectral Line Half-Width		23		33	nm
Reverse Current	$I_R$	—	—	—	$\mu$ A
Temperature Coefficient of Voltage	$V\ F/T$		-4.67	—	mV/
Thermistor(NTC)	Rt25	—	10	—	K

### Notes:

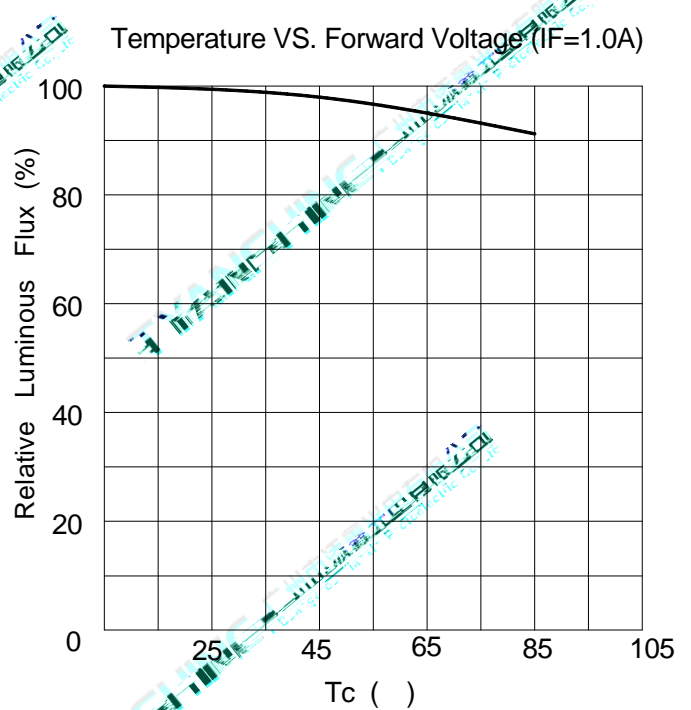
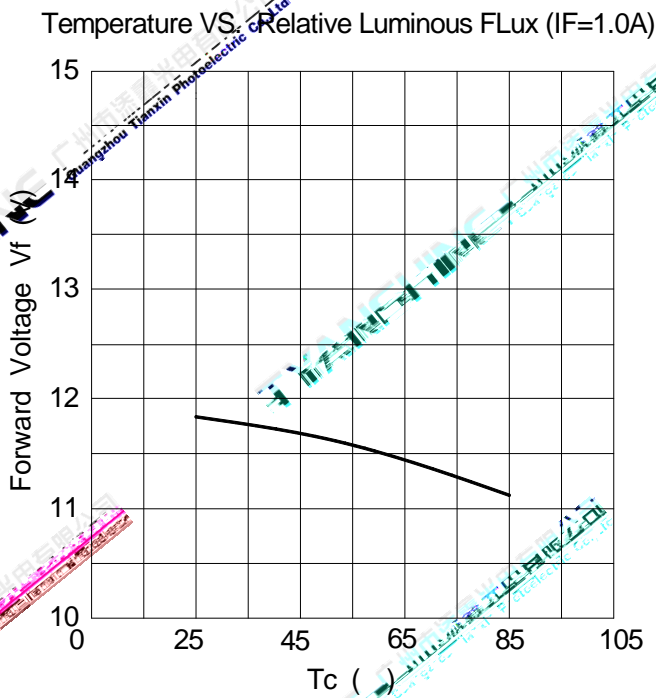
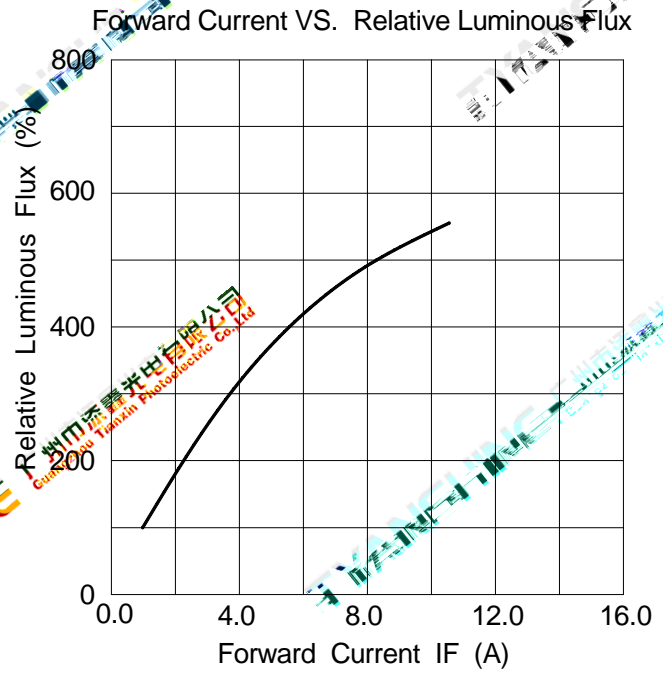
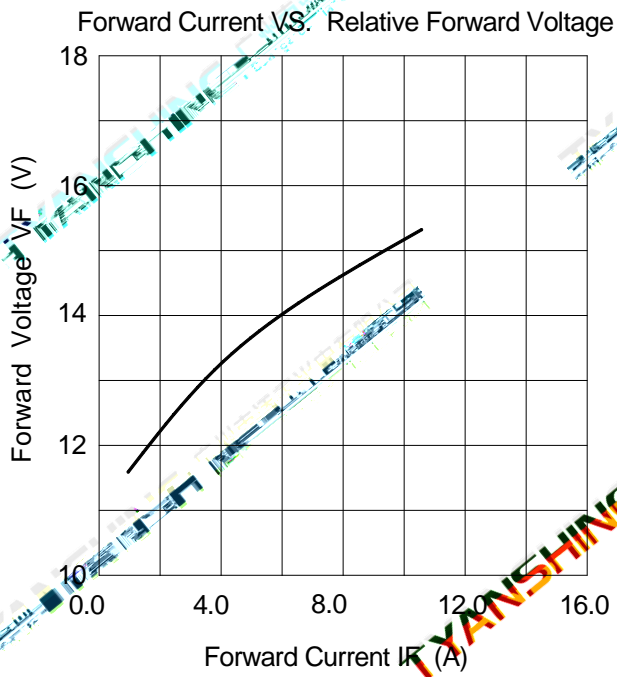
- 1.Luminous intensity is measured with a light sensor and filter combination that approximates the CIE eye-response curve.
2.  $1/2$  is the off-axis angle at which the luminous intensity is half the axial luminous intensity.
- 3.Luminous flux measurement tolerance:±15%.
- 4.Forward voltage measurement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

# White light Color coordinate filing (IF=10A,Tc=25 )

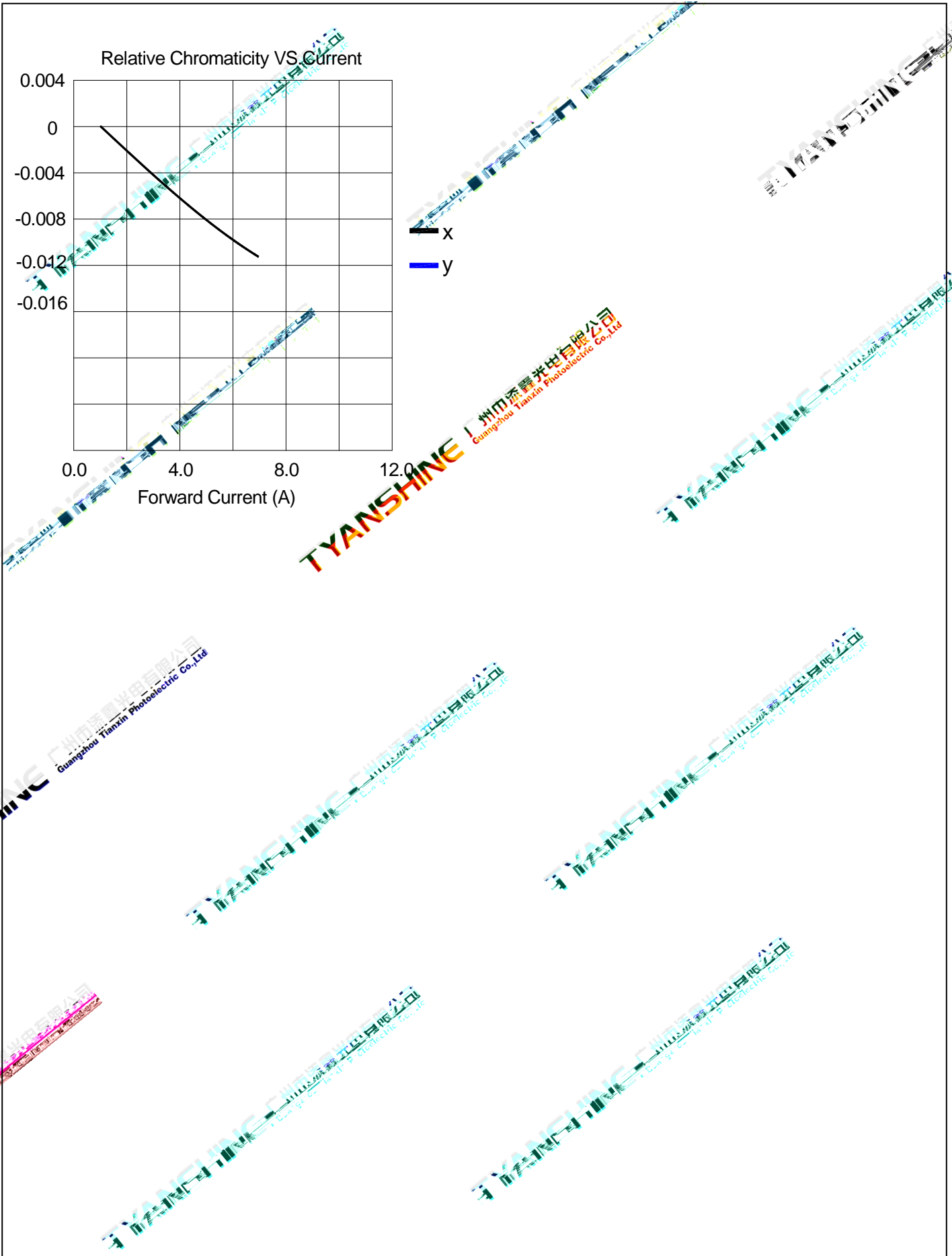


# Typical Electrical/Optical Characteristics Curves

(25 Ambient Temperature Unless Otherwise Noted)







# Dimensions For Cannulation And Packaging

Quantity:6 PCS

