TX-2828SW100C22F12-03H952770

PRODUCT SPECIFICATION

Features:

Excellent transiting heat from LED chip operating under 3200mA.

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

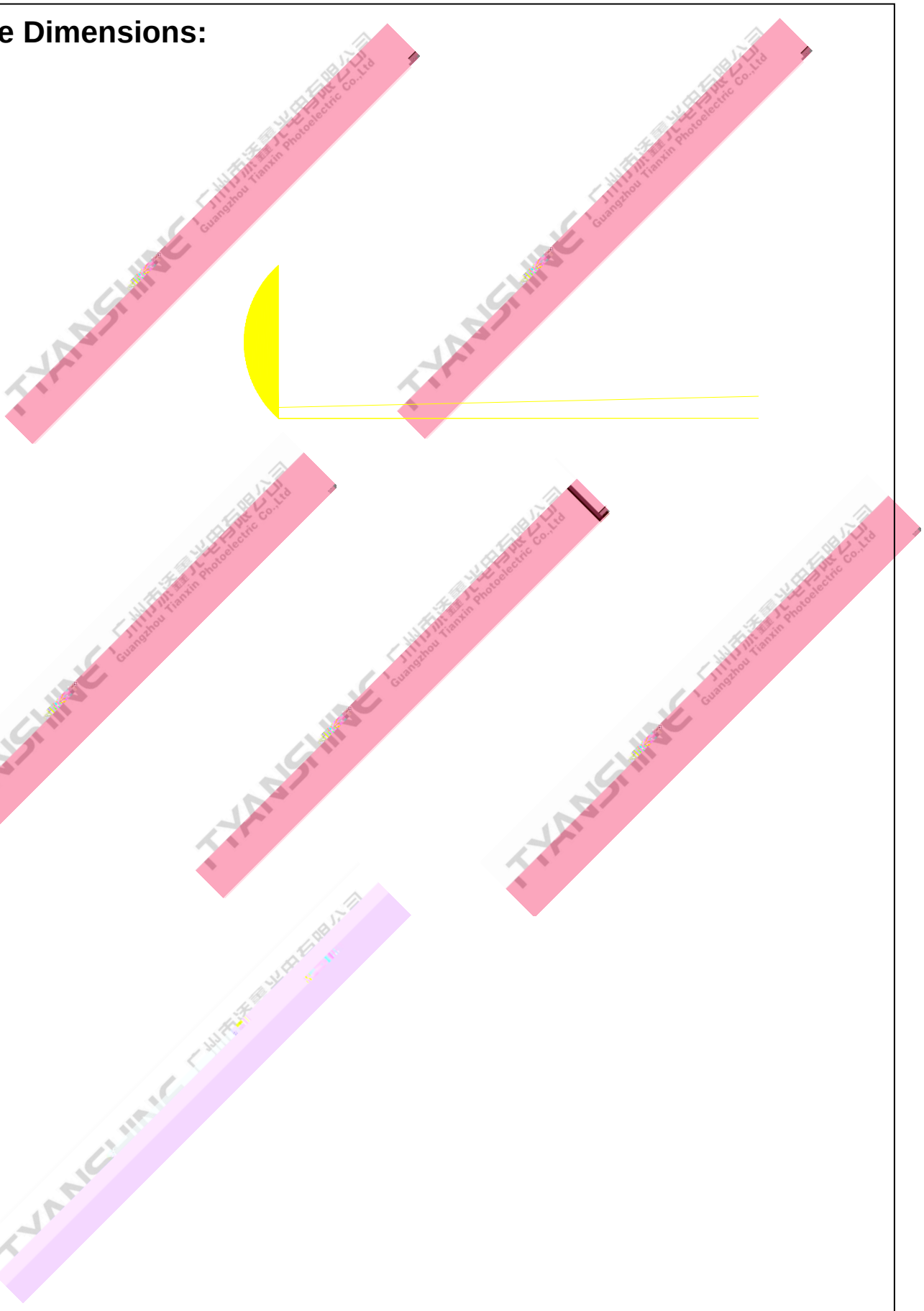
Warm white

Applications:

Commercial lighting

General Lighting

Package Dimensions:



Absolute Maximum Ratings

Parameter	Symbol		Ratings	Unit
Forward Current	IF		3200	mA
Reverse Voltage	V_R		Not designed for reverse operation	V
Power Dissipation	P_D	W	120	W
		C	120	
		W+C	120	
Junction Temperature	Tj	W	150	
		C	150	
Case Temperature (C)	Tc		85	
Electrostatic Discharge Threshold (ESD)	ESD		2000	V
Storage Temperature	T_{stg}		-30~+80	
Operation Temperature	T_{opr}		-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 (Tc=25°C)

Parameter	Symbol	Condition	Emitting color	Min.	Typ.	Max.	Units
Luminous Flux	φ_v	If=2800mA	W	7000	8000	9000	lm
			C	9000	10500	12000	
Forward Voltage	V_f		W	33	35	37	V
			C	33	35	37	
Correlated Colour Temperature	CCT		W	2600	2670	2740	K
			C	6600	6900	7200	
Viewing Angle at 50 IV	$2\theta_{1/2}$		W	—	115	—	Deg
			C	—	115	—	
Reverse Current	I_R	—	—	—	—	—	μA
Thermal Resistance Junction to Case	$R\theta_{J-C}$	If=2800mA	W	—	0.18	—	K/W
			C	—	0.18	—	
Color Rendering Index	Ra		—	95	—	—	—

Notes:

1.Luminous intensity is measured with a light sensor and filter combination that approximates the CIE eye-response curve.

2.$\theta_{1/2}$ 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:±3%.

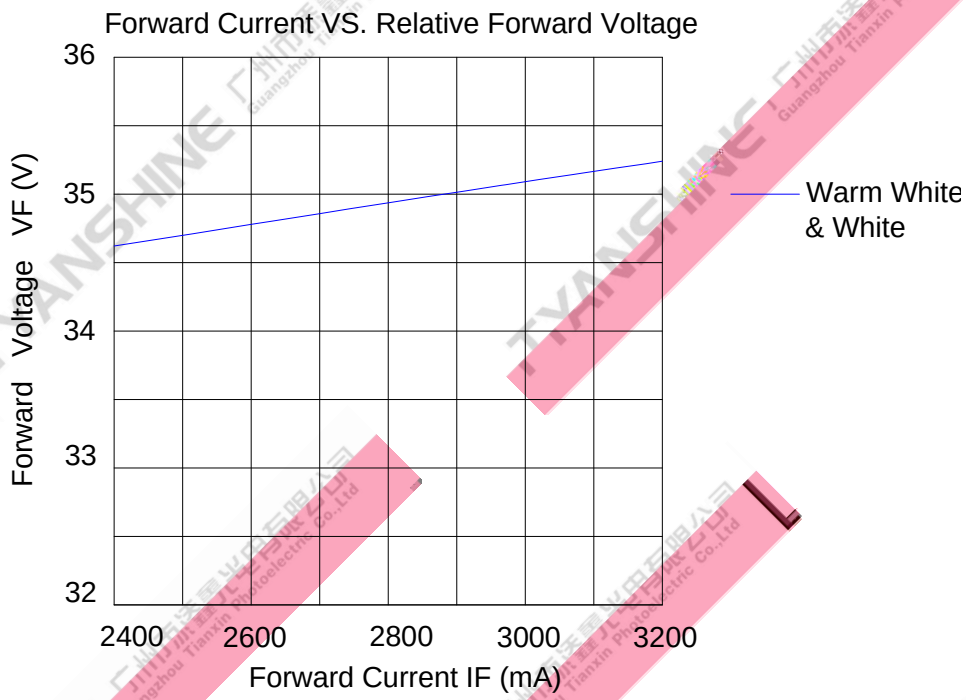
5.Ra measurement tolerance: 2.

6.R15 measurement tolerance:-1.

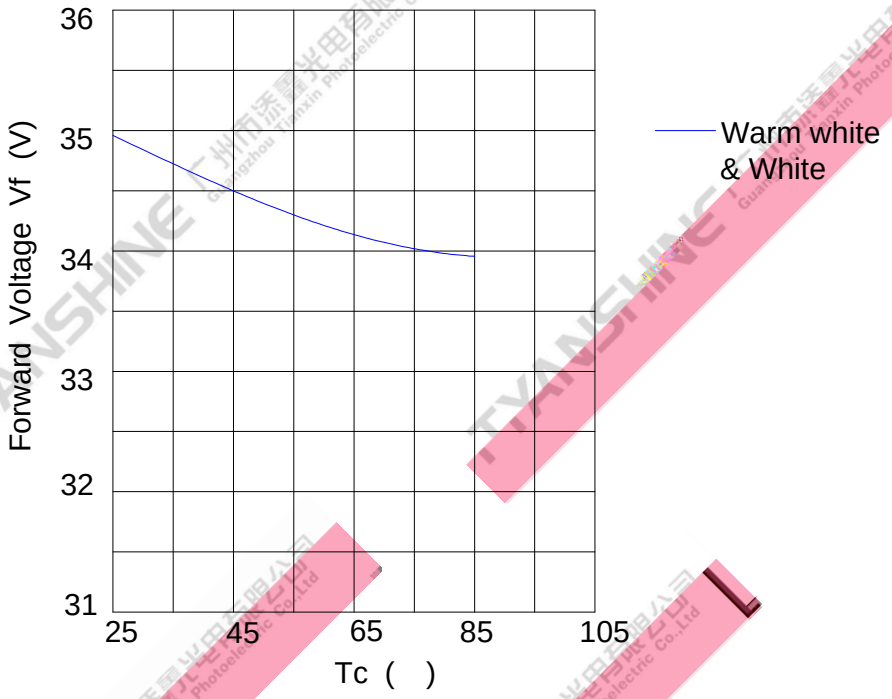
7.RF measurement tolerance:-1

Typical Electrical/Optical Characteristics Curves

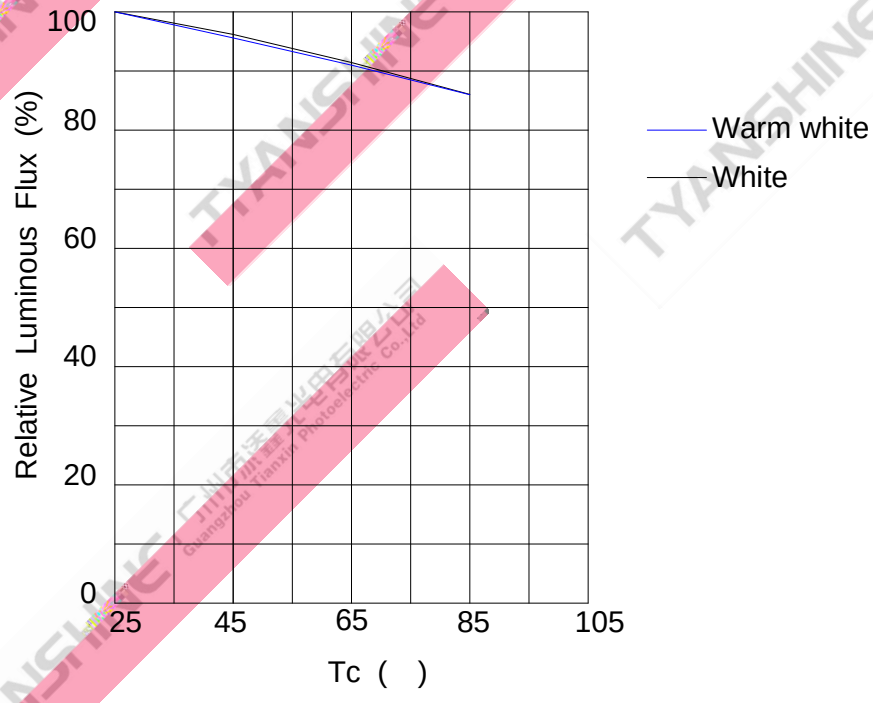
(25 Ambient Temperature Unless Otherwise Noted)

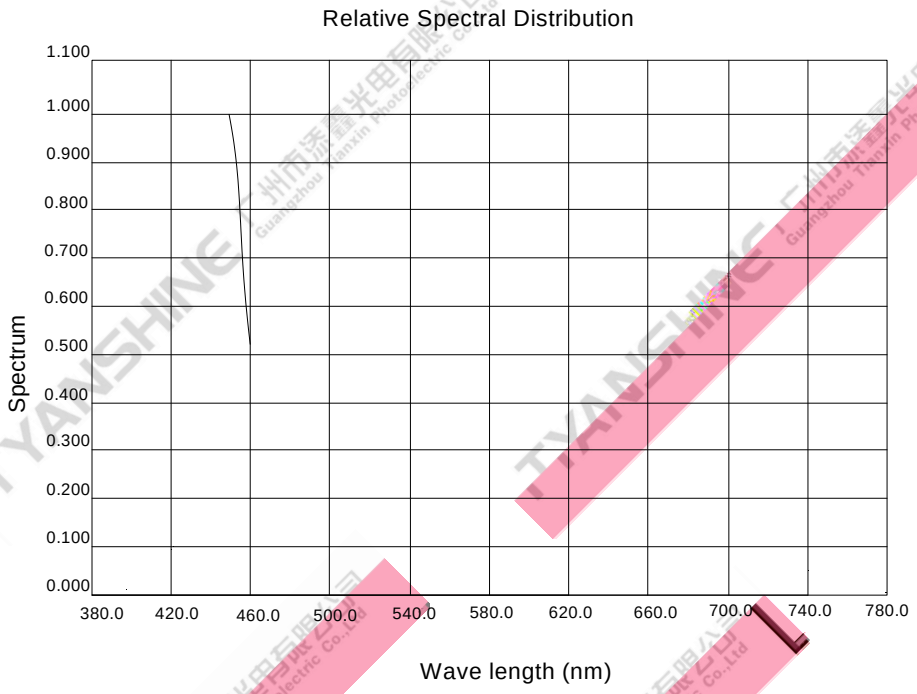


Temperature VS. Relative Luminous FLux (IF=2.8A)



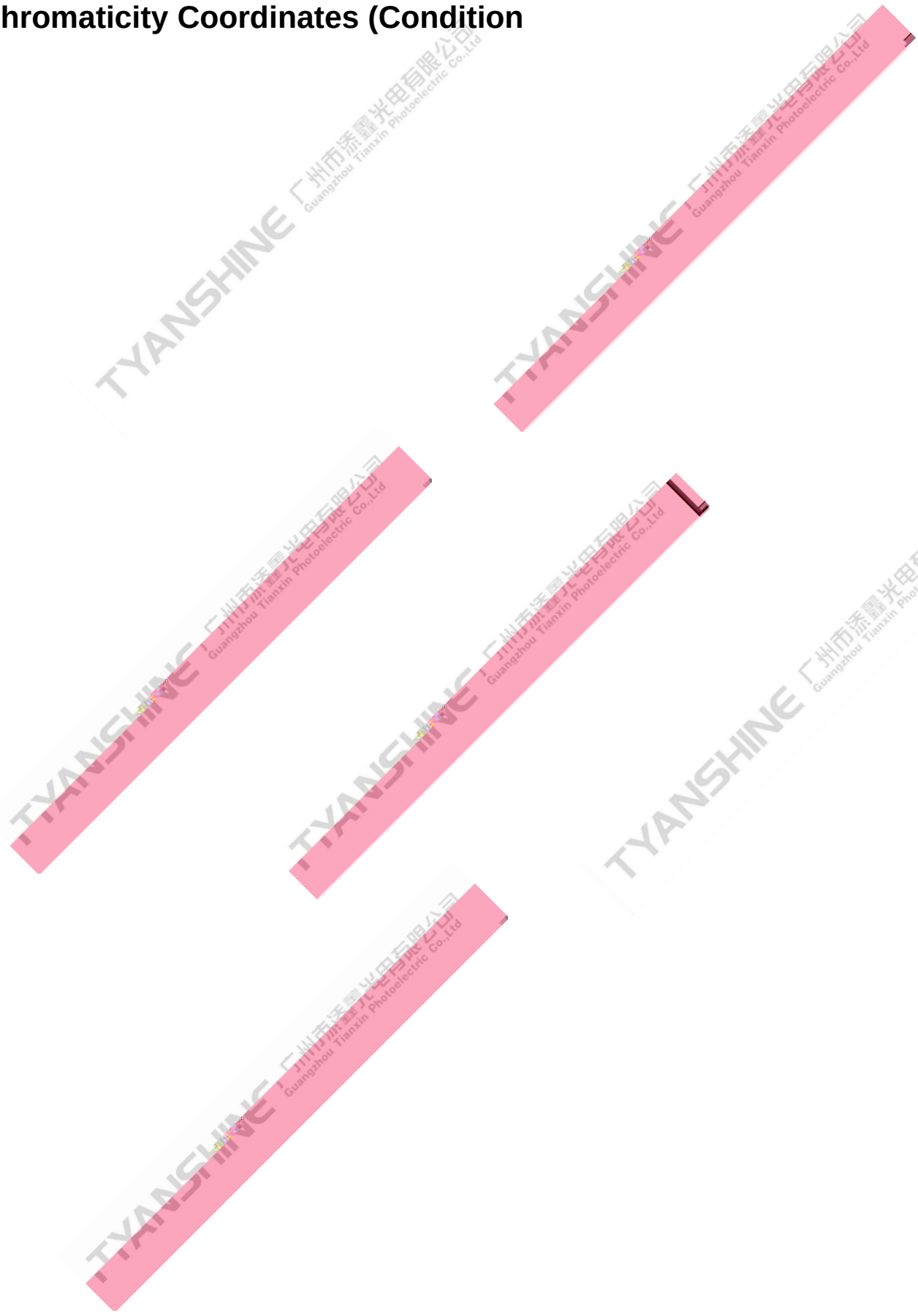
Temperature VS. Forward Voltage (IF=2.8A)

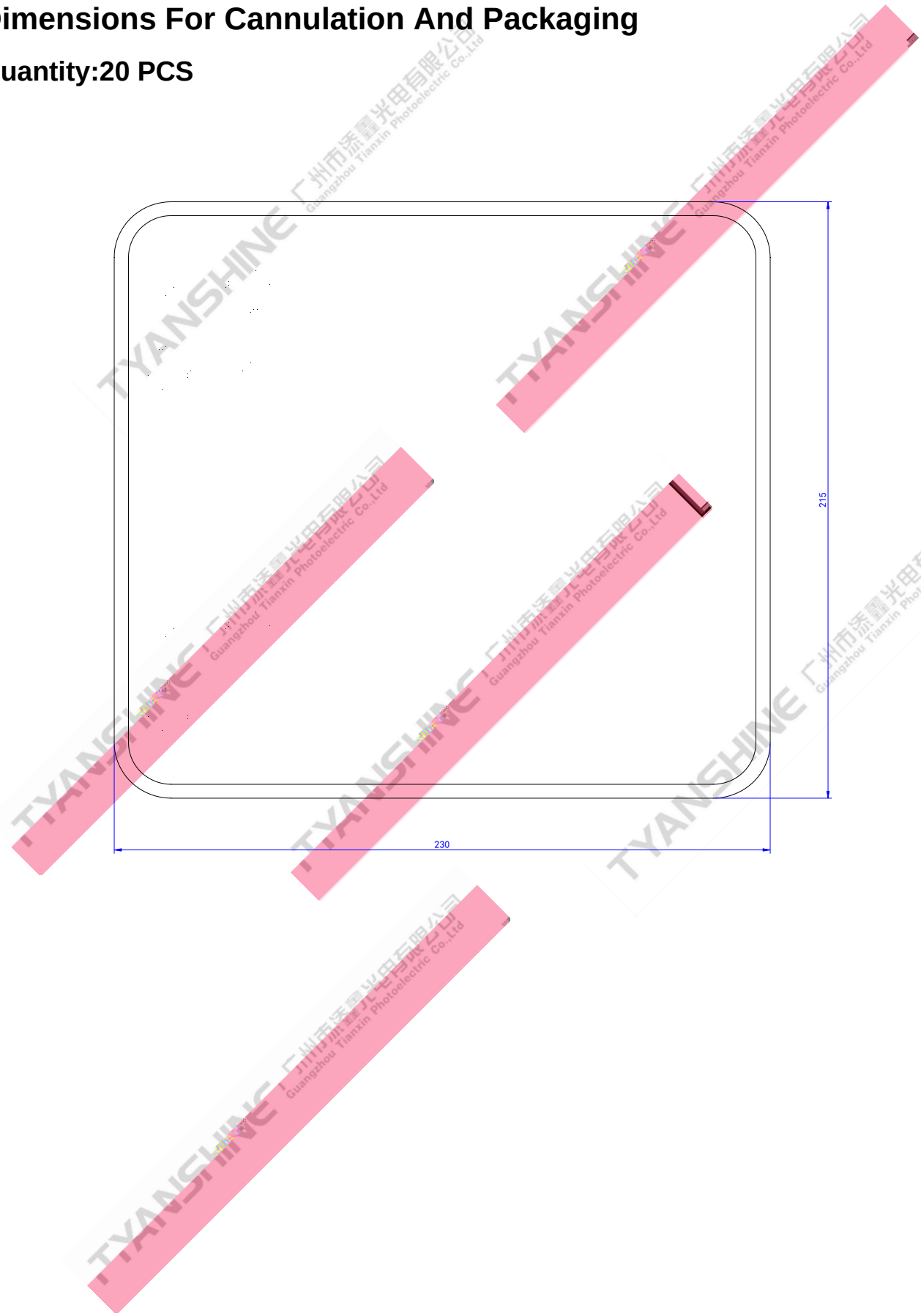




TYANSHINE 广州市添鑫光电有限公司 Guangzhou Tianxin Photoelectric Co.,Ltd

Chromaticity Coordinates (Condition



Dimensions For Cannulation And Packaging

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