

TX-3232SW120C25F10-03H952770**PRODUCT SPECIFICATION****Features:**

- ◆Excellent transiting heat from LED chip operating under 4800mA.
- ◆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

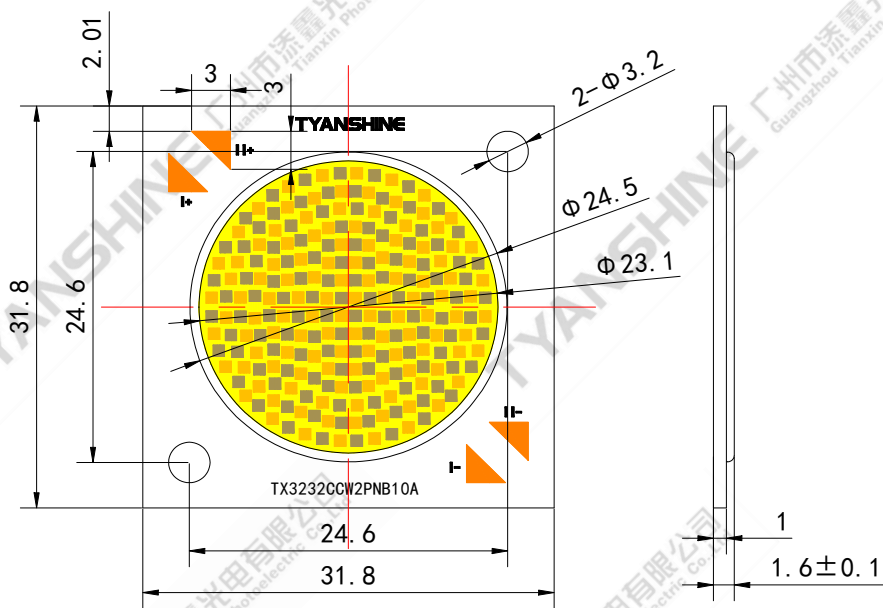
Emitting Color:

- ◆White
- ◆Warm white

Applications:

- ◆Commercial lighting
- ◆General Lighting

Package Dimensions:



I: Warm White(S); II: White(W)

Notes:

- 1.All dimensions are in millimeters .
- 2.Tolerances unless otherwise mentioned are ±0.25mm .

Code Formats:

TX-3232SW120C25F10-03H952770

TX	—	3232	SW	120	C	25	F	10	—	03	H95	2770
TYANSHINE	—	series	performance	watt typ	texture	LES	chip code	die count in series	—	BOM	Ra	CCT

Absolute Maximum Ratings

Parameter	Symbol	Ratings	Unit
Forward Current	IF	4800	mA
Reverse Voltage	V _R	Not designed for reverse operation	V
Power Dissipation	P _D	S	148
		W	148
		S+W	148
Junction Temperature	T _j	S	135
		W	135
Case Temperature (C)	T _c	85	°C
Electrostatic Discharge Threshold (ESD)	ESD	2000	V
Storage Temperature	T _{stg}	-30~+100	°C
Operation Temperature	T _{opr}	-30~+85	

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)

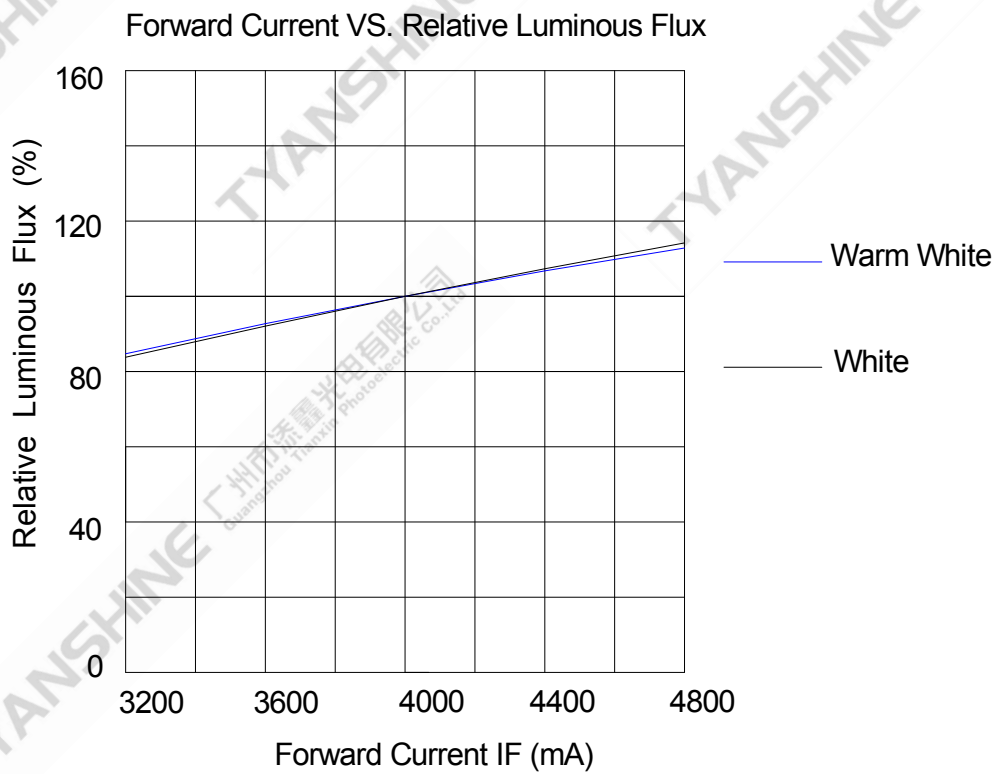
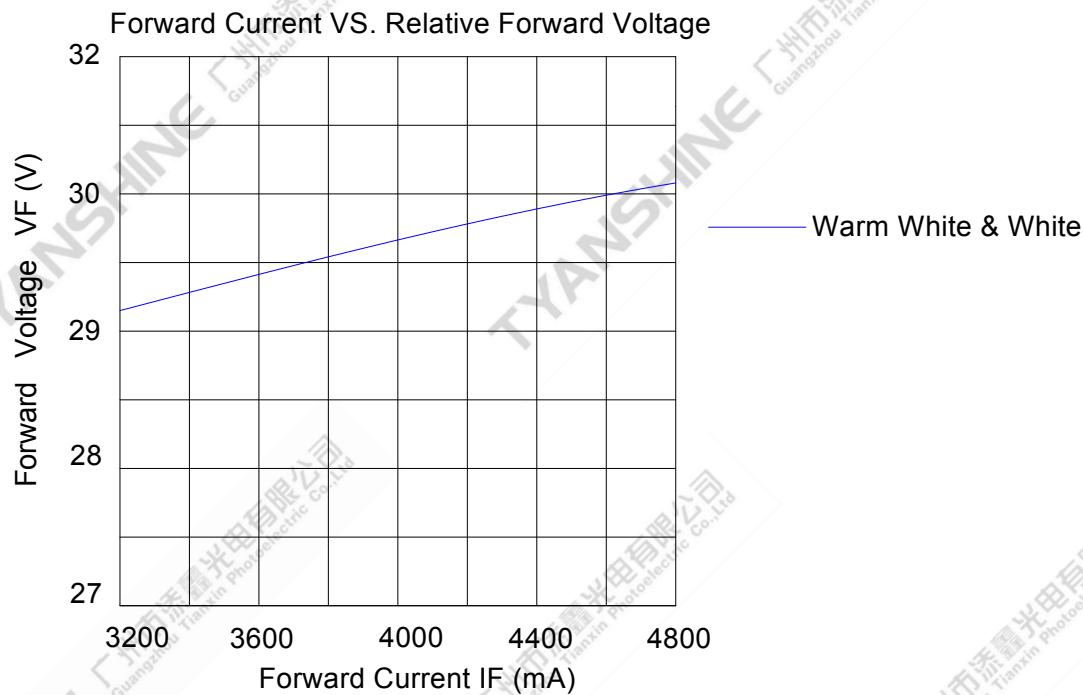
Parameter	Symbol	Condition	Emitting color	Min.	Typ.	Max.	Units
Luminous Flux	ϕ_v	If=4000mA	S	8300	9000	—	lm
			W	11000	12500	—	
Forward Voltage	V_f		S	27	29	31	V
			W	27	29	31	
Correlated Colour Temperature	CCT		S	2575	—	2725	K
			W	6800	—	7400	
Viewing Angle at 50 % IV	$2\theta_{1/2}$		S	—	115	—	Deg
			W	—	115	—	
Reverse Current	I_R	—	—	—	—	—	μ A
Thermal Resistance Junction to Case	$R\theta_{J-C}$	If=4000mA	S	—	0.22	—	K/W
			W	—	0.22	—	
Color Rendering Index	Ra		3200~5600K	95	—	—	—
	R9		3200K	90	—	—	—
			5600K/6500K	85	—	—	—
TLCI	—		3200~5600K	96	—	—	—
TM30	RF		3200K/5600K/6500	92	—	—	—
	RG		3200K/5600K/6500	97	—	103	—

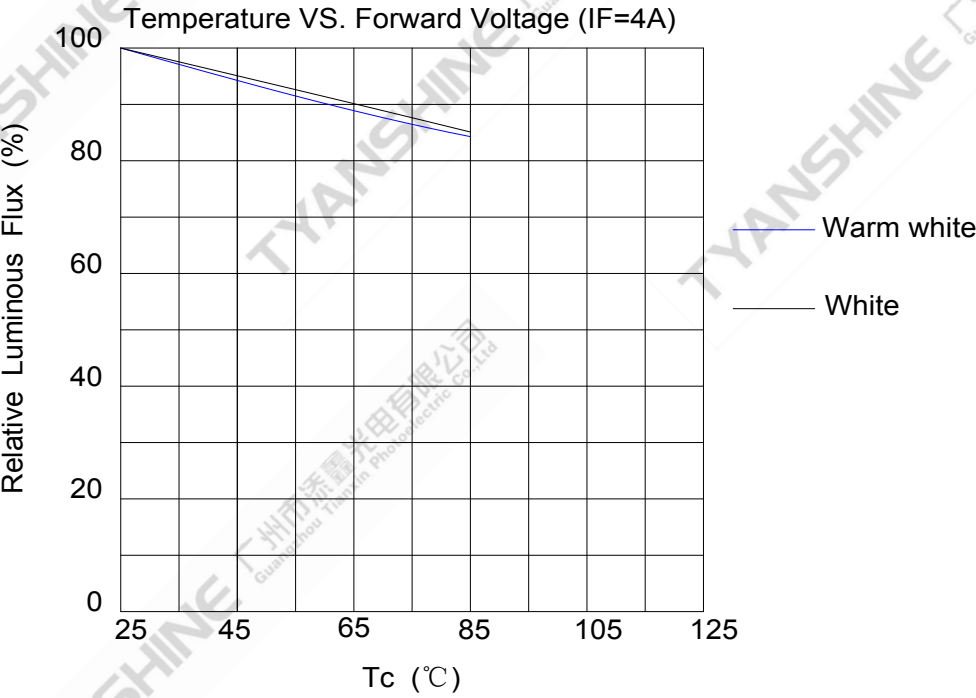
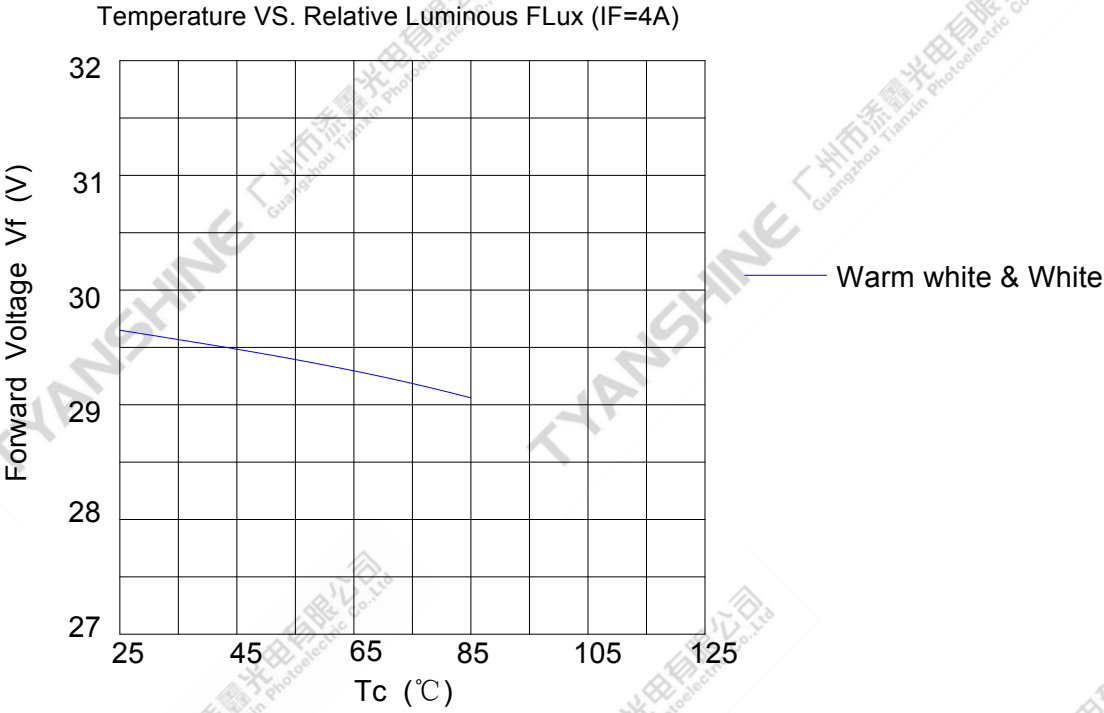
Notes:

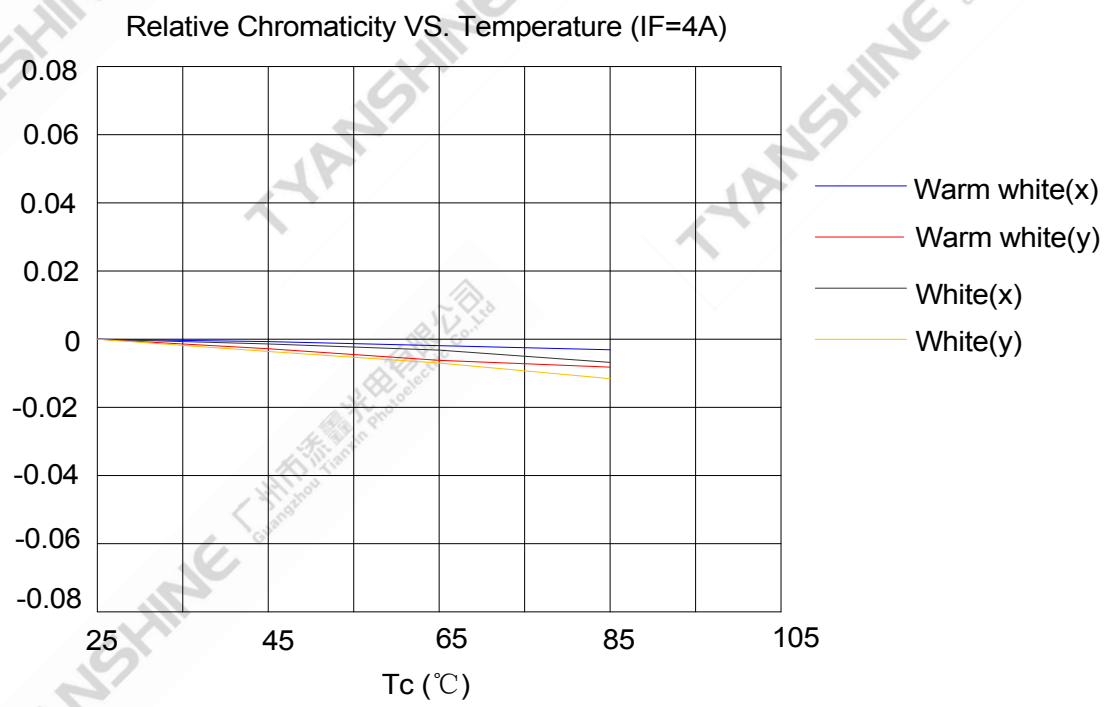
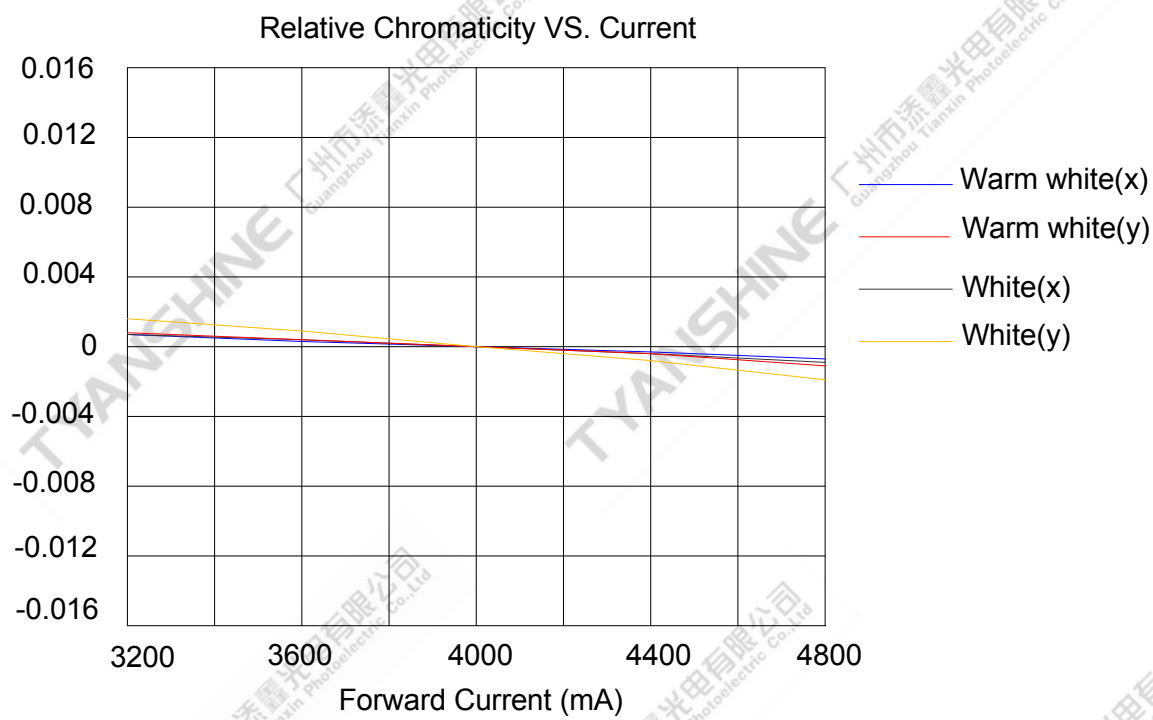
- 1.Luminous intensity is measured with a light sensor and filter combination that approximates the CIE eye-response curve.
2. $\theta_{1/2}$ is the off-axis angle at which the luminous intensity is half the axial luminous intensity.
- 3.Luminous flux measurement tolerance: $\pm 15\%$.
- 4.Forward voltage measurement tolerance: $\pm 3\%$.
- 5.Ra measurement tolerance: ± 2 .
- 6.R15 measurement tolerance: -1.
- 7.RF measurement tolerance: -1

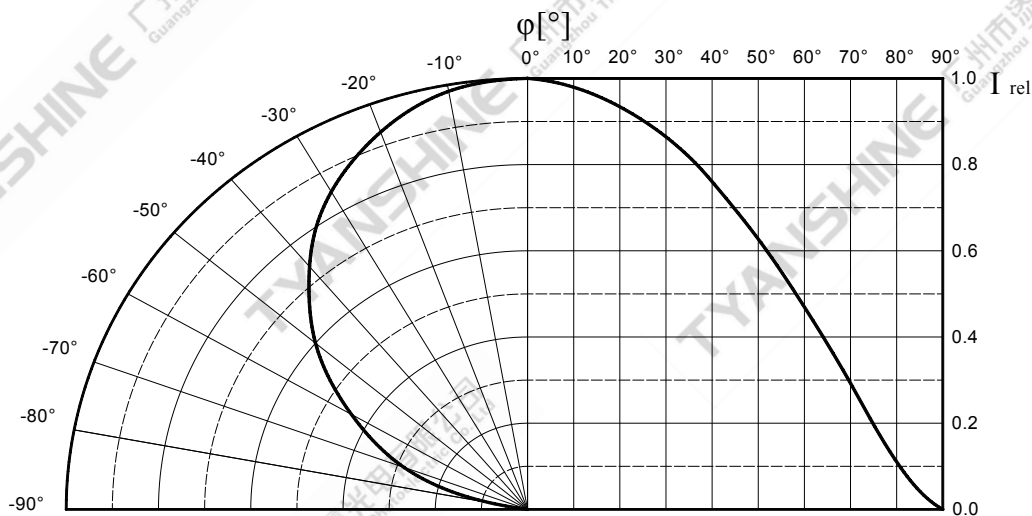
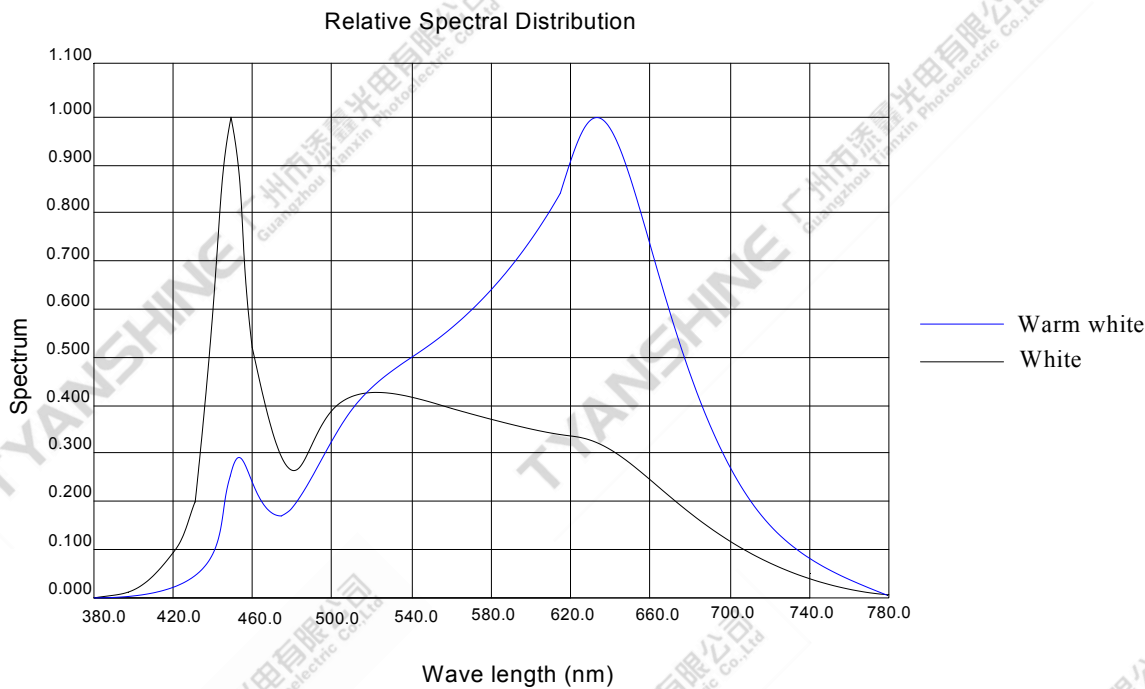
Typical Electrical/Optical Characteristics Curves

(25℃ Ambient Temperature Unless Otherwise Noted)







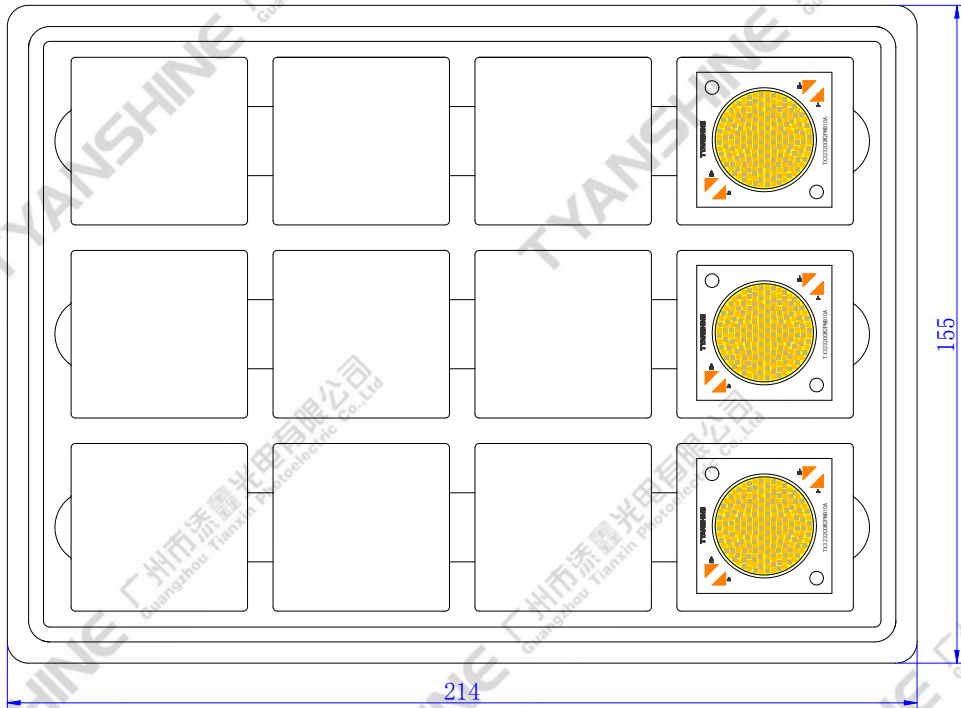


Notes:

- 20 1/2° is the off axis angle from lamp centerline where the luminous intensity is 1/2 of the peak value.
- View angle tolerance is $\pm 5^\circ$.

Dimensions For Cannulation And Packaging

Quantity:12 PCS



Notes:

- 1. All dimensions are in millimeters.
- 2. Tolerances are ± 2.0 mm unless otherwise noted.
- 3. The products are packaged together with silica gel, Transport, not to the weight of welding LED light-emitting area, As a result of the weight of LED light-emitting zone in the quality of, Irresponsible of the Company.