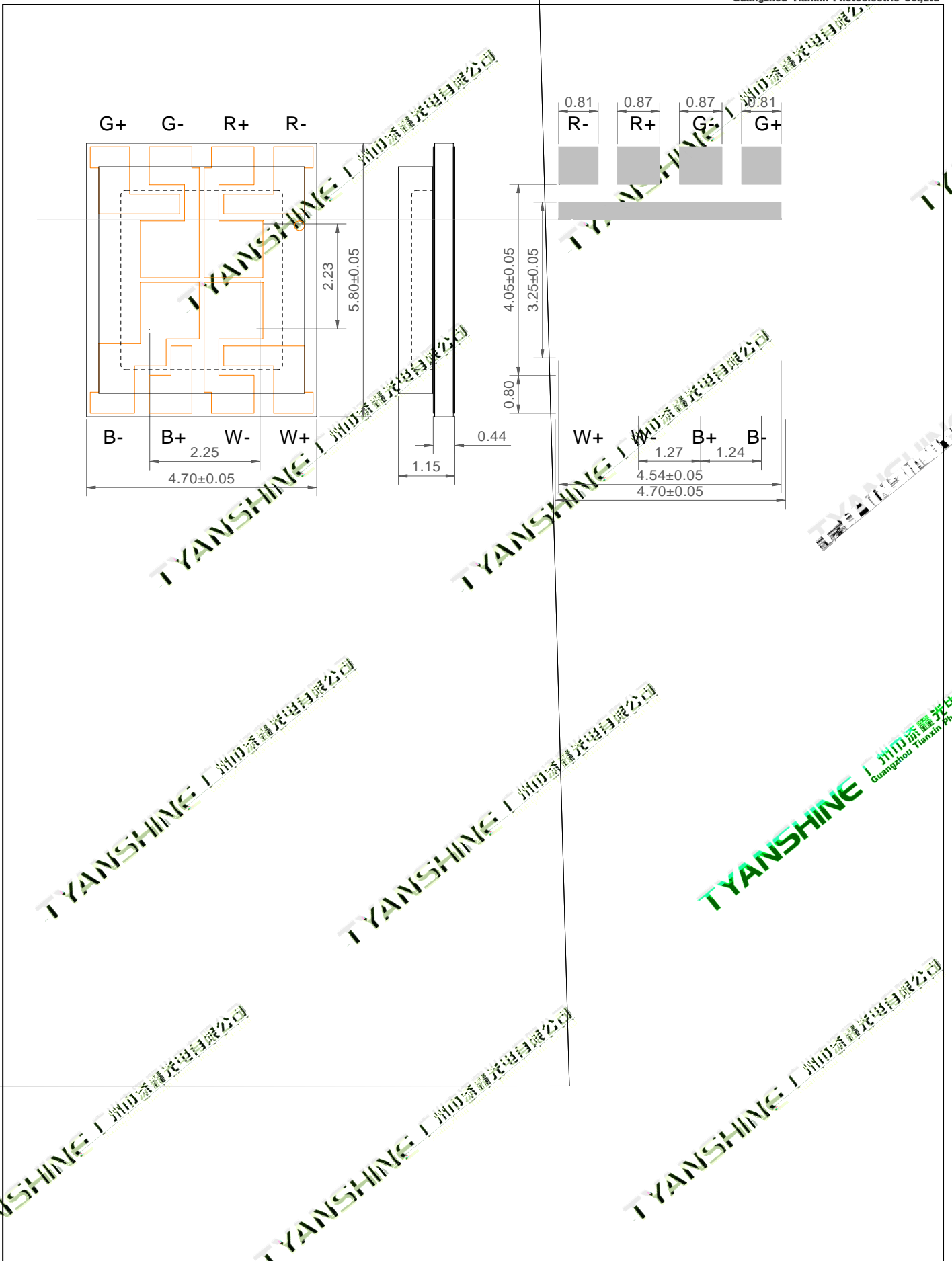


Provide uniform cross distribution of positive white and warm white dual color scheme, mixed pure.
High luminous output.
No UV.
Encapsulated materials are environmentally certified and meet environmental requirements.

Red:AlInGaP
Green: GaInN
Blue:GaInN
White:GaInN

Red R
Green G
Blue B
White W

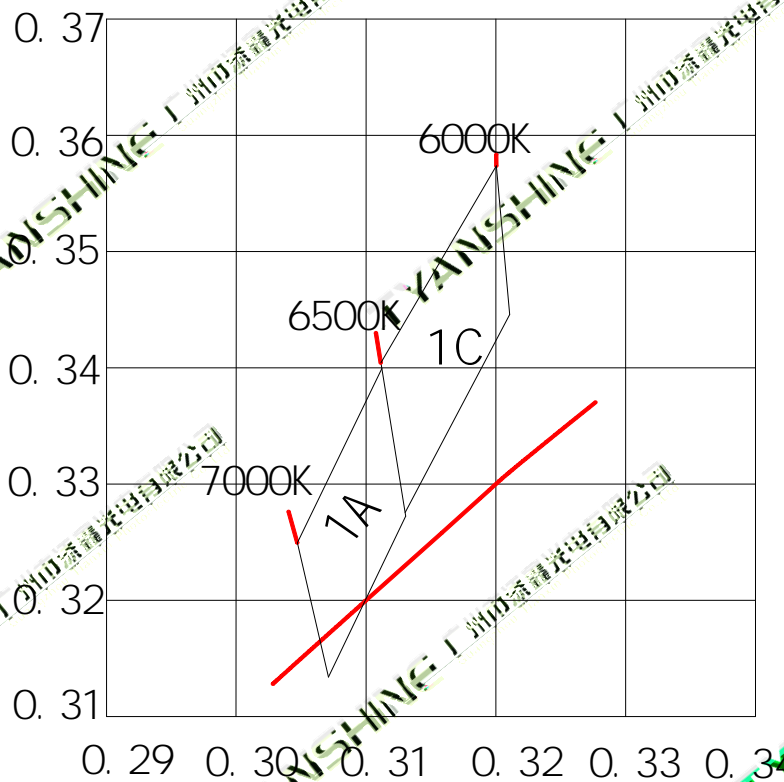
Auxiliary lighting
Ambient lighting
Architectural lighting
Entertainment lighting



Forward Current	IF	R	1.5	A	
		G	1.5		
		B	1.5		
		W	2.0		
Reverse Voltage	V_R	Not designed for reverse operation		V	
Power Dissipation	P_D	R	4.2	W	
		G	5.7		
		B	5.7		
		W	7.6		
Junction Temperature	T_j	R	115		
		G	150		
		B	150		
		W	150		
Electrostatic Discharge Threshold (ESD)	ESD	2000	V		
Storage Temperature	T_{stg}	-20~+70			
Operation Temperature	T_{opr}	-30~+85			
<p>1.Specifications are subject to change without notice.</p> <p>2.The data on this specification is for reference only and the actual data is in accordance with the acknowledgment.</p> <p>3.Precautions for ESD: STATIC SHIELD Electricity and surge damages the LED. It is recommended to use a wrist band anti-electrostatic glove when handling the LED. All devices, equipment and machinery must be properly grounded.</p>					
Part No.	TX-5060RGBW20FC120-NUVCNG-02AN	Spec No.	WKF-FC0029	Page	3 of 10

Luminous Flux	v	If=1.0A	R	80	—	110	lm	
		If=1.0A	G	185	—	235		
		If=1.0A	B	30	—	40		
		If=1.0A	W	250	—	300		
		If=1.2A	R	100	—	140		
		If=1.5A	G	240	—	310		
		If=1.5A	B	50	—	60		
		If=1.5A	W	380	—	420		
		If=1.0A	R	1.8	—	2.6		
		If=1.0A	G	2.8	—	3.6		
Forward Voltage	V _f	If=1.0A	B	2.8	—	3.6	V	
		If=1.0A	W	2.8	—	3.6		
		If=1.2A	R	2.0	—	2.8		
		If=1.5A	G	3.0	—	3.8		
		If=1.5A	B	3.0	—	3.8		
		If=1.5A	W	3.0	—	3.8		
		If=1.0A	R	618	622	628		nm
		If=1.0A	G	522	527	532		
		If=1.0A	B	448	452	458		
		Peak-emission Wavelength	p	If=1.0A	R	625		630
If=1.0A	G			516	521	526		
If=1.0A	B			442	447	452		
Correlated Colour Temperature	CCT	If=1.0A	W	6000	—	7000	K	
Color Rendering Index	Ra		W					

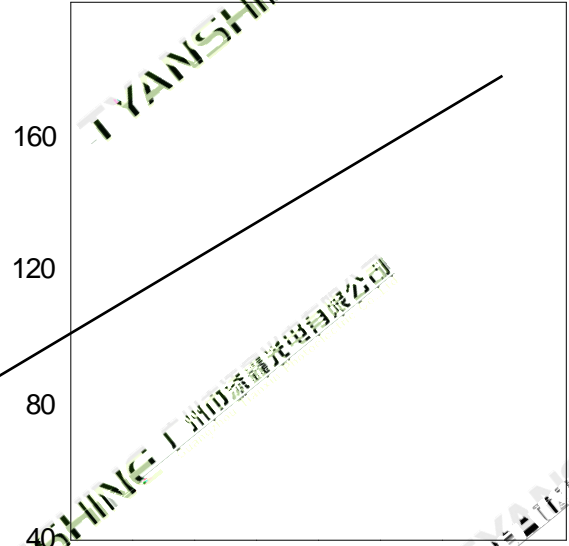
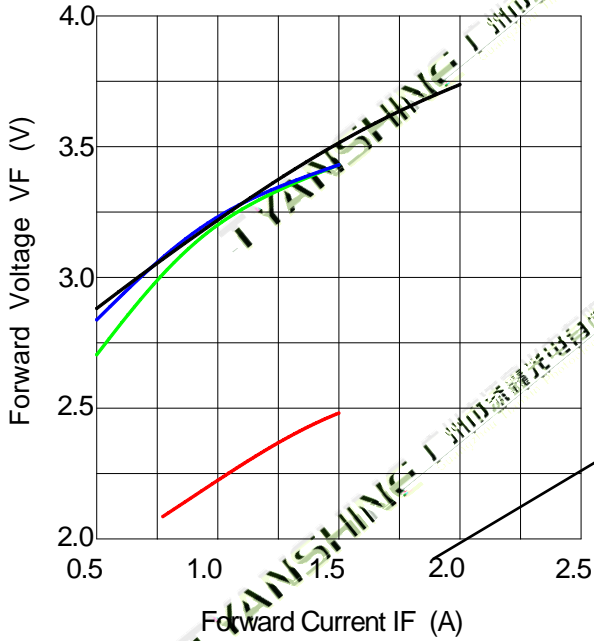
- 1.Luminous intensity is measured with a light sensor and filter combination that approximates the CIE eye-response curve.
2. $\theta_{1/2}$ is the off-axis angle at which the luminous intensity is half the axial luminous intensity.
- 3.Luminous flux measurement tolerance: $\pm 10\%$.
- 4.Forward voltage measurement tolerance: $\pm 3\%$.
- 5.Ra measurement tolerance: ± 2 .



Region	CCT Range		X1	Y1	X2	Y2	X3	Y3	X4	Y4
	Min	Max								
1C	6000K	6500K	0.3211	0.3446	0.32	0.3574	0.3111	0.3404	0.313	0.3276
	6500K	7000K	0.3131	0.3272	0.3112	0.3399	0.3047	0.325	0.3071	0.3134

(25 Ambient Temperature Unless Otherwise Noted)

Forward Current VS. Relative Forward Voltage

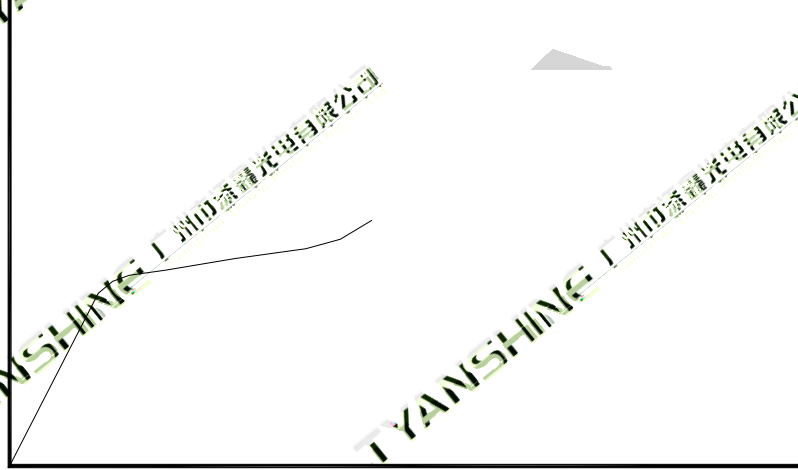


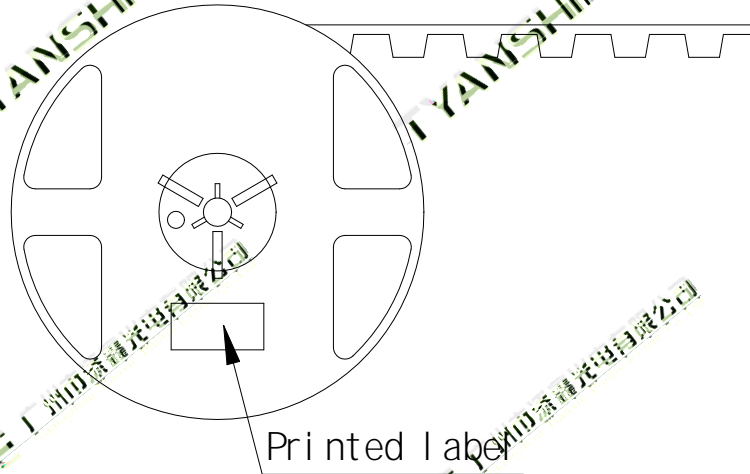
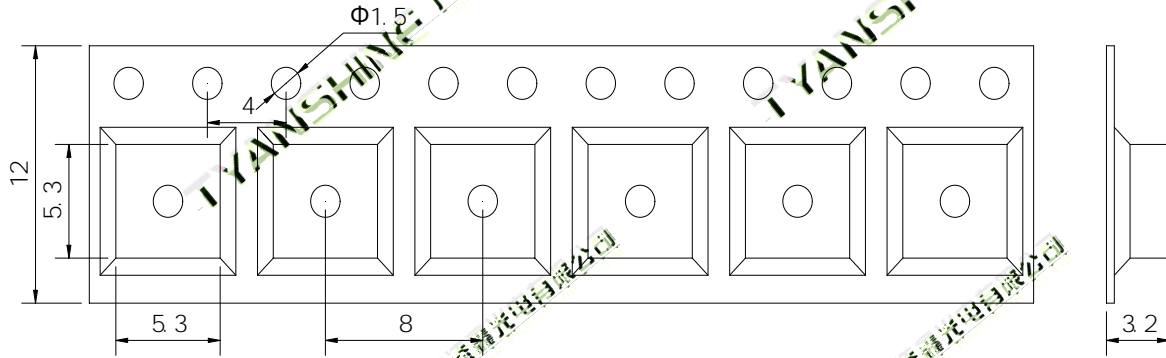


Temperature: 5 ~ 30 (41 ~ 86)

Humidity: 60% RH Max.

Use the conditions shown to the under figure.





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.

1.0		-	2022/8/11