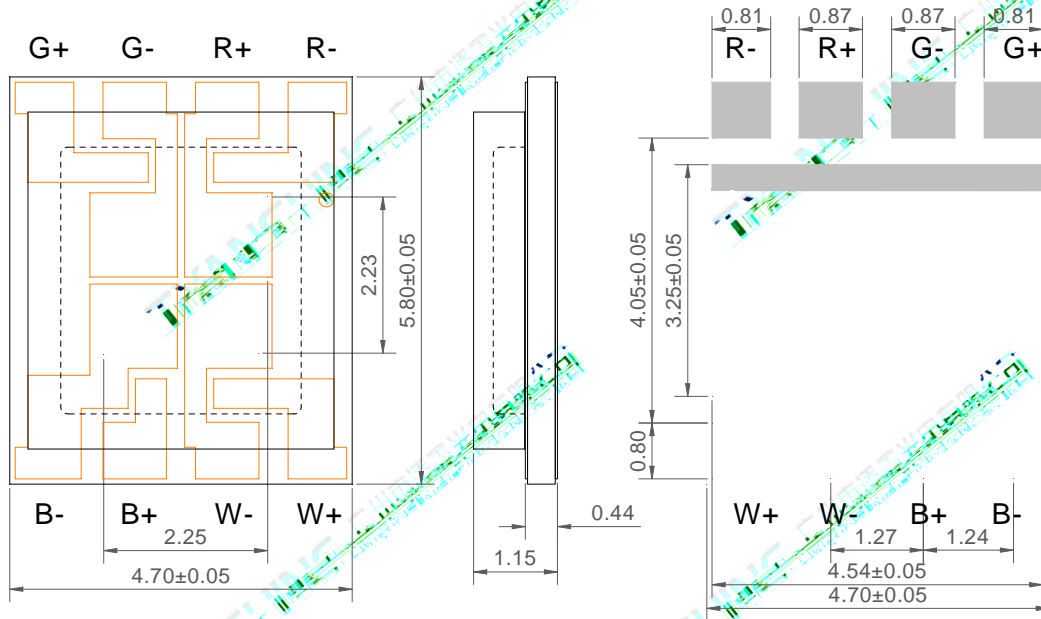


Provide uniform cross distribution of positive white and warm white dual color scheme, mixed pure.  
High luminous output.  
No UV.  
Encapsulated materials are environmentally certified and meet environmental requirements.

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

Red R  
Green G  
Blue B  
White W

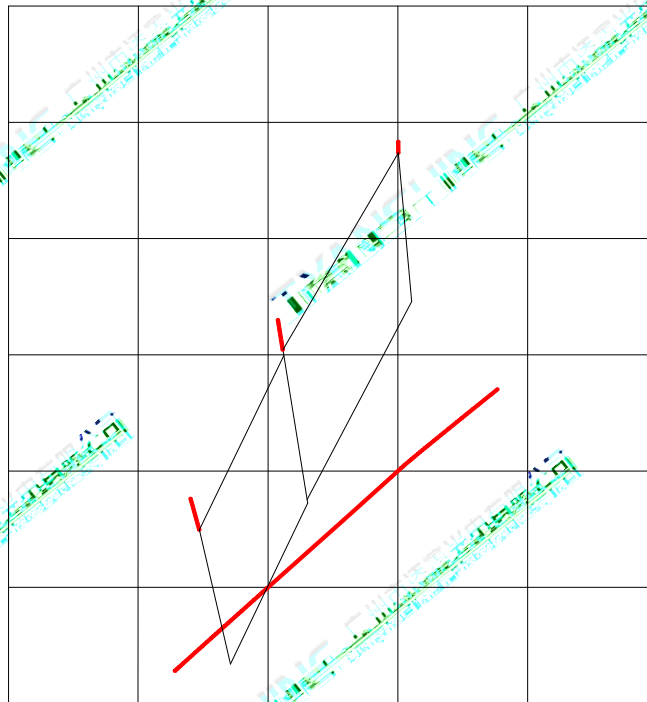
Auxiliary lighting  
Ambient lighting  
Architectural lighting  
Entertainment lighting



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 or 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	
		Forward Voltage	V <sub>f</sub>	If=1.0A	R	1.8	
If=1.0A	G			2.8	—	3.6	
If=1.0A	B			2.8	—	3.6	
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	
Dominant Wavelength	d			If=1.0A	R	618	622
		If=1.0A	G	522	527	532	
		If=1.0A	B	448	452	458	
Peak-emission Wavelength	p	If=1.0A	R	625	630	635	nm
		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				

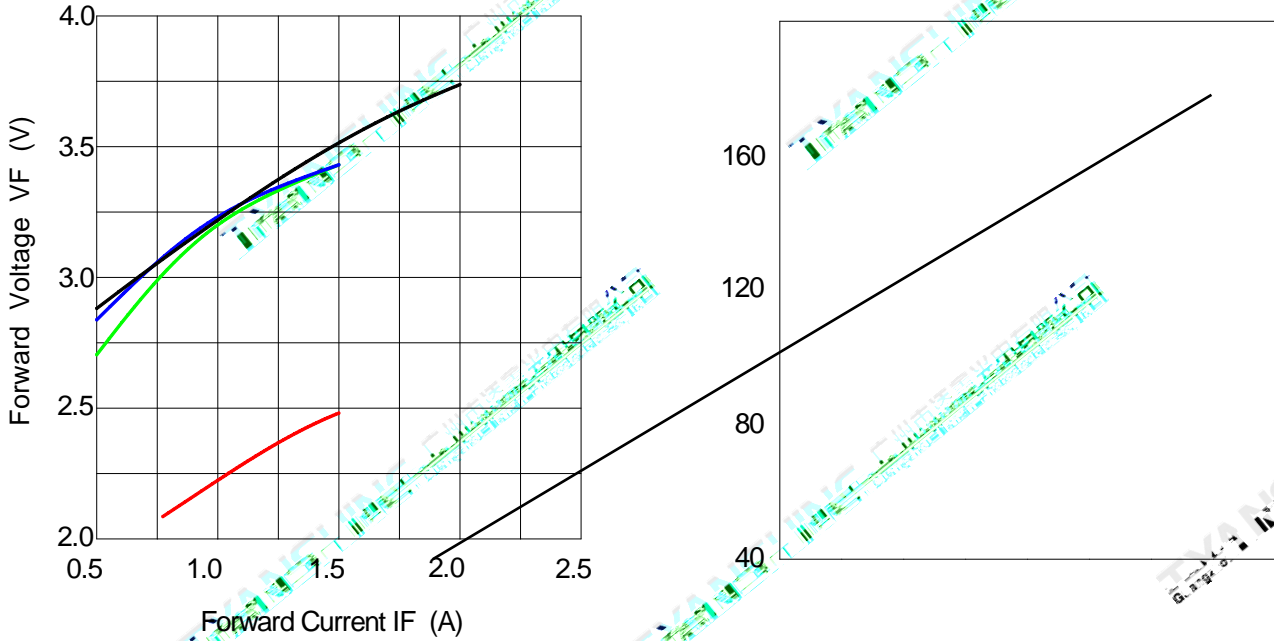
- 1.Luminous intensity is measured with a light sensor and filter combination that approximates the CIE eye-response curve.
2.  $\theta_{1/2}$  is the off-axis angle at which the luminous intensity is half the axial luminous intensity.
- 3.Luminous flux measurement tolerance: 10%.
- 4.Forward voltage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

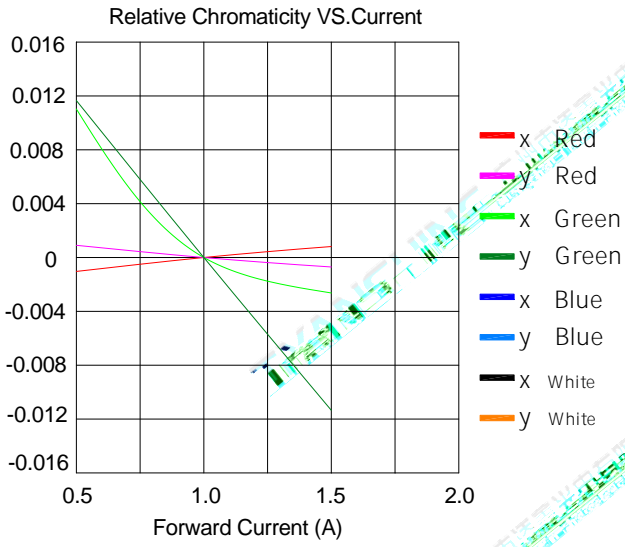


Region	CCT Range		X1	Y1	X2	Y2	X3	Y3	X4	Y4
	Min	Max								
1C	6000K	6500K	0.3211	0.3446	0.32	0.3574	0.3111	0.3404	0.313	0.3276
1A	6500K	7000K	0.3131	0.3272	0.3112	0.3399	0.3047	0.325	0.3071	0.3134

(25 Ambient Temperature Unless Otherwise Noted)

Forward Current VS. Relative Forward Voltage

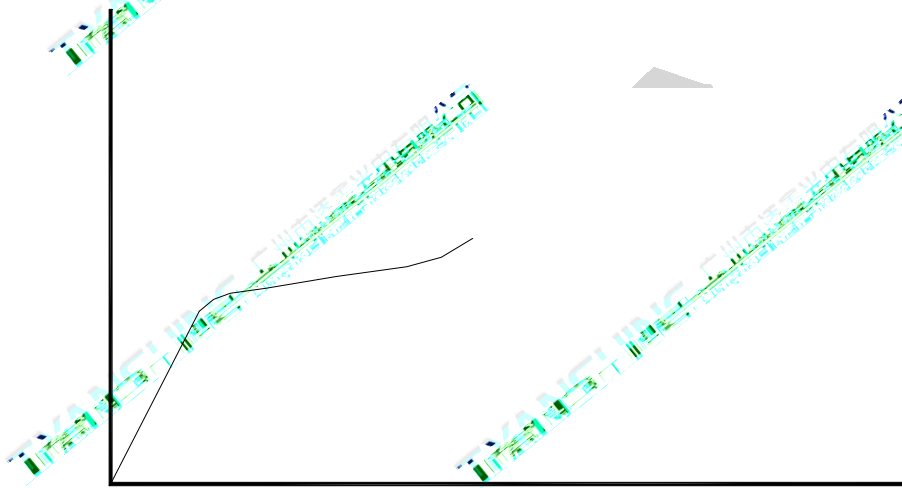




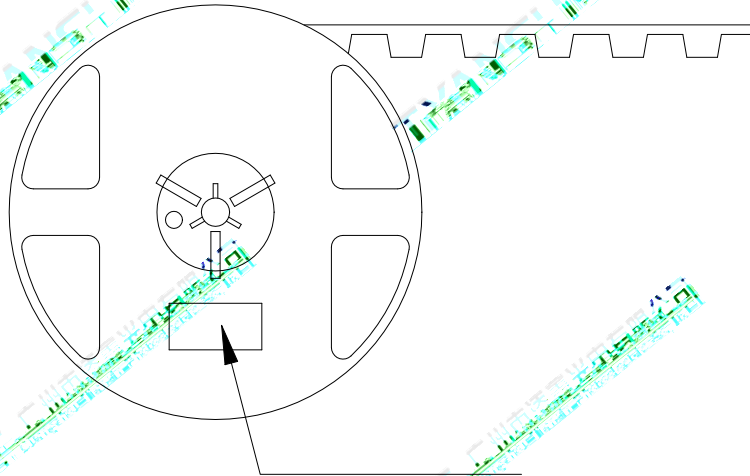
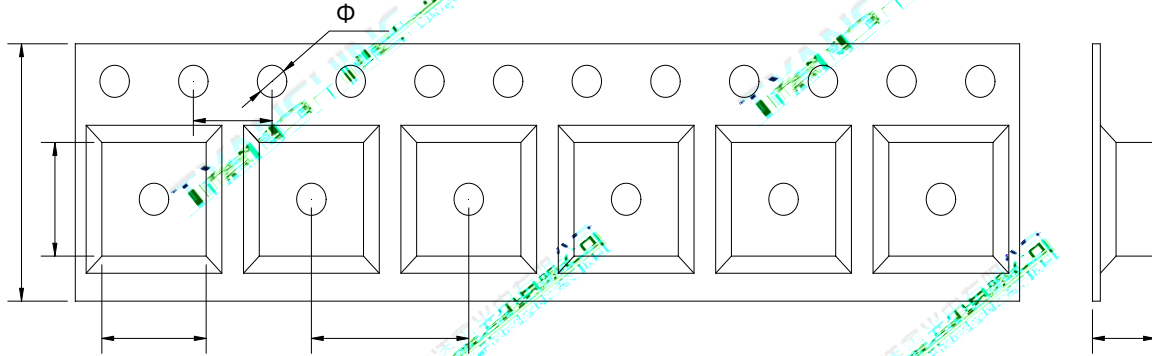
Temperature: 5 ~ 30 (41 ~ 86 )

Humidity: 60% RH Max.

Use the conditions shown to the under figure.







1. All dimensions are in millimeters.
2. Tolerances are  $\pm 2.0$  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.

