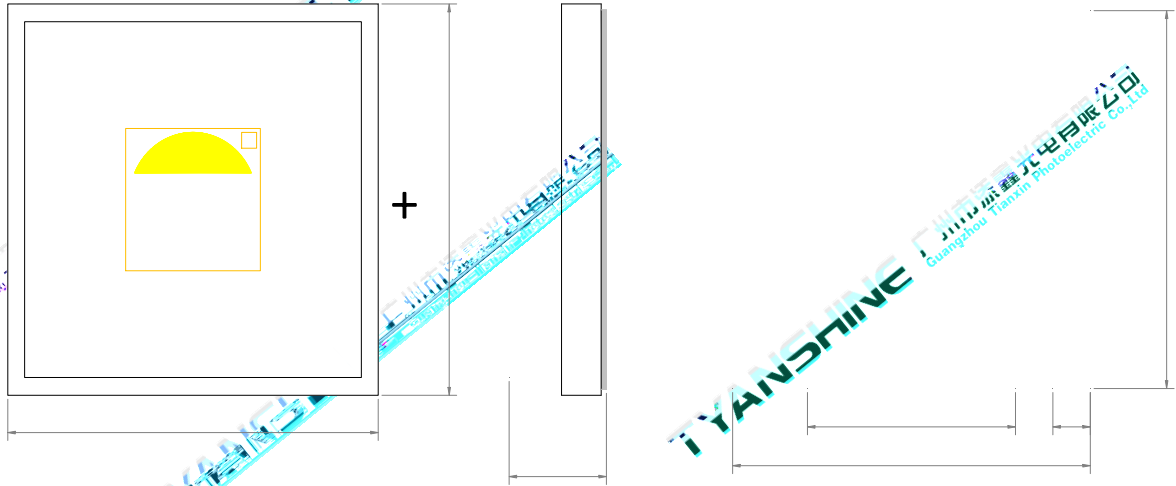


Excellent transiting heat from LED chip operating under 5.0A.  
High luminous output  
No UV.  
Encapsulated materials are environmentally certified and meet environmental requirements.

ThinGaN

White W

Auxiliary lighting  
Ambient lighting  
Architectural lighting



Forward Current	IF	5.0	A
Reverse Voltage	VR	Not designed for reverse operation	V
Power Dissipation	PD	20	W
Junction Temperature	Tj	150	
Electrostatic Discharge Threshold (ESD)	ESD	2000	V
Storage Temperature(Only for LED, not including packaging)	Tstg	-40~+85	
Operation Temperature	Topr	-40~+85	

1. Specifications are subject to change without notice.

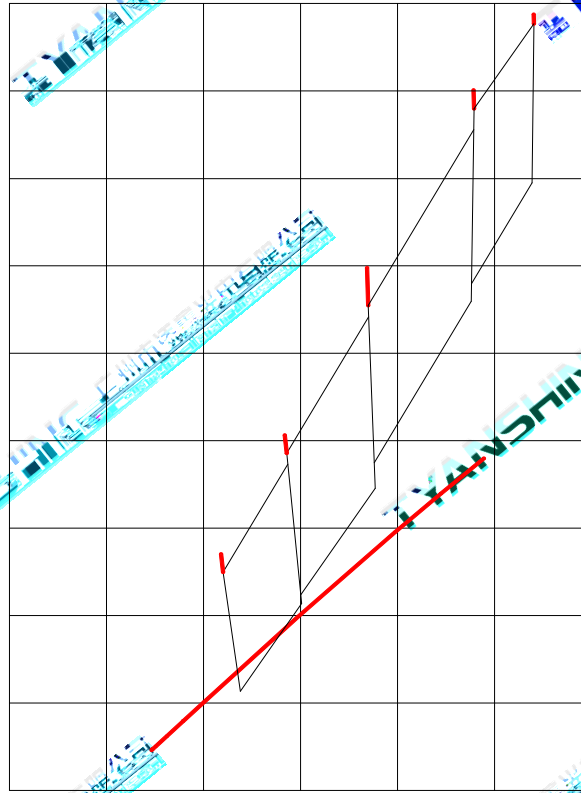
2. The data on this specification is for reference only and the actual data is in accordance with the acknowledgment.

3. Precautions for ESD:

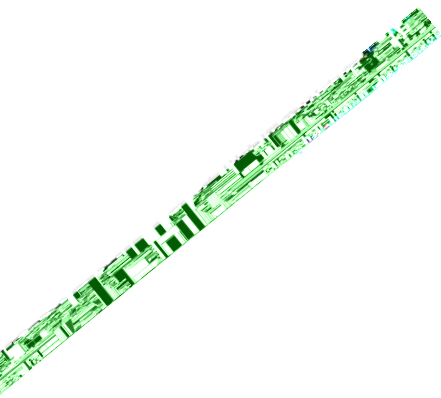
STATIC SHIELD Electricity and surge damages the LED. It is recommended to use a wrist band or anti-electrostatic glove when handling the LED. All devices, equipment and machinery must be properly grounded.

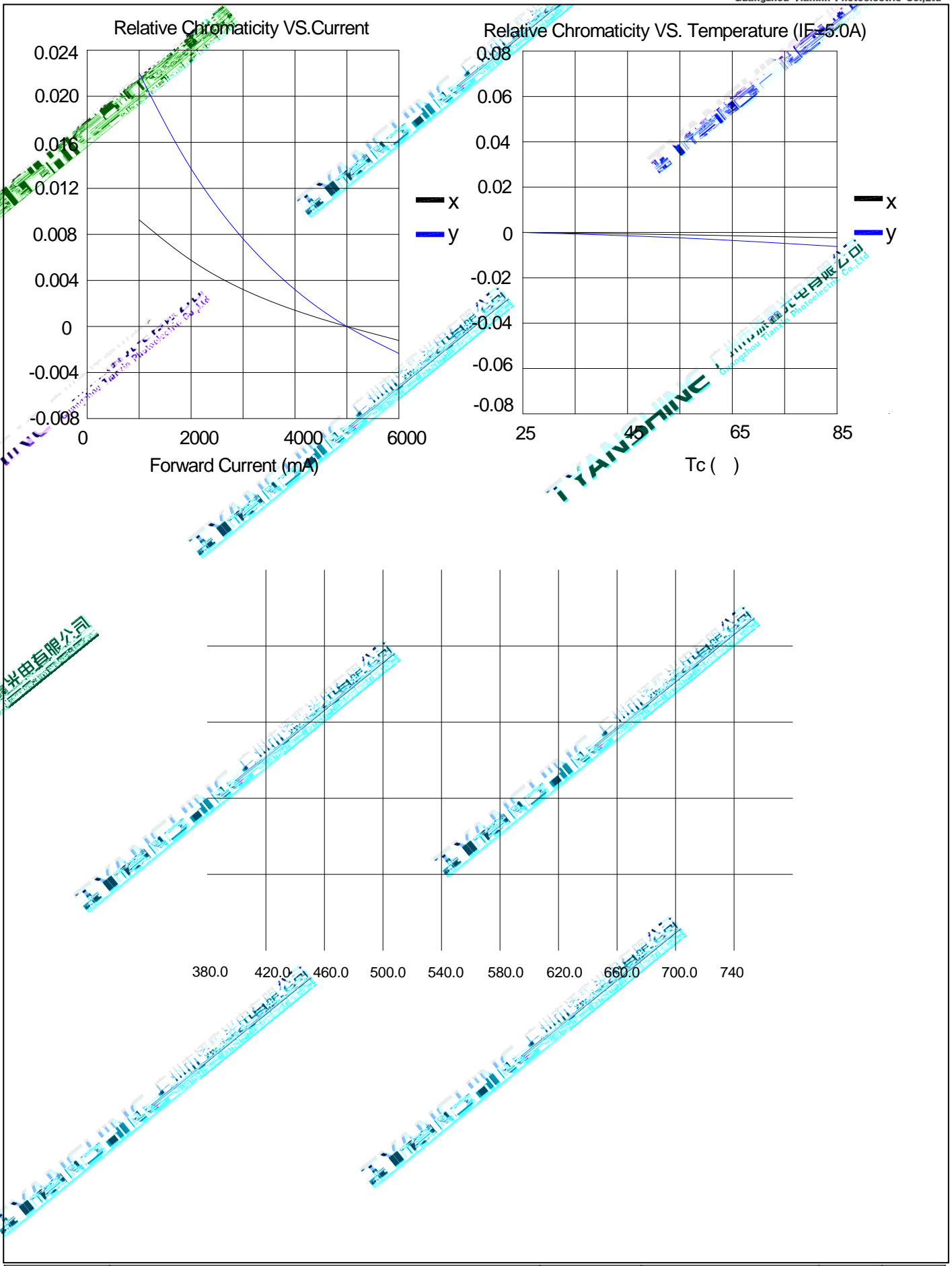
Luminous Flux	v	If=1.0A	W	360	420	480	lm
		If=5.0A	W	1100	1300	1500	
Forward Voltage	V <sub>f</sub>	If=1.0A	W	2.8	—	4.0	V
		If=5.0A	W	3.0	—	4.5	
Viewing Angle at 50° IV	2 1/2	—	W	—	120	—	Deg
Correlated Colour Temperature	CCT	If=1.0A	W	5000	—	6500	K
		If=5.0A	W	5200	—	7400	
Reverse Current	I <sub>R</sub>	—	W	—	—	—	μA
Thermal Resistance Junction to Case	R <sub>J-C</sub>	—	W	—	1.5	—	K/W
Temperature Coefficient of Voltage	V F/T	If=1.0A	W	—	-2.8	—	mV/
		If=5.0A	W	—	-2.95	—	

- 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.

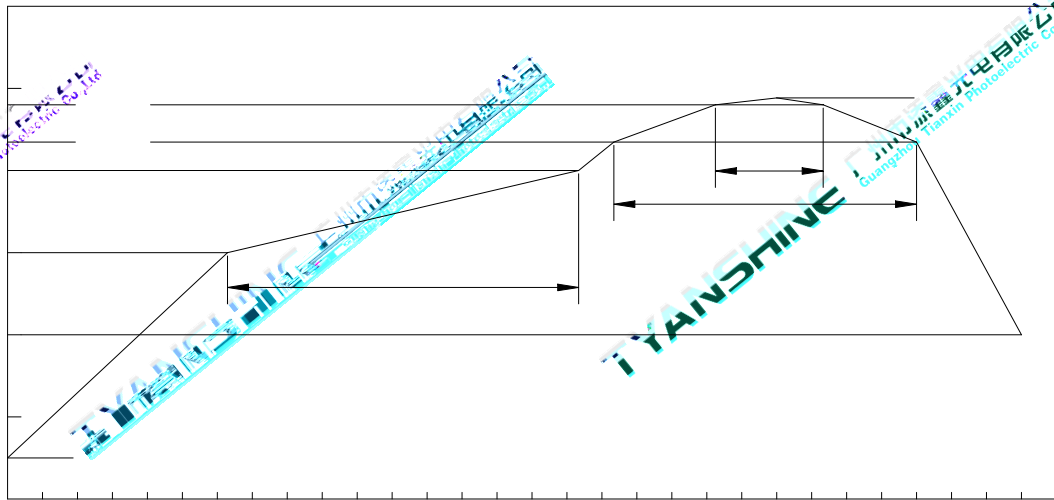


Region	CCT Range		X1	Y1	X2	Y2	X3	Y3	X4	Y4
	Min	Max								
H	5000K	5300K	0.3439	0.3795	0.3441	0.3977	0.3379	0.388	0.3376	0.368
G	5300K	5700K	0.3376	0.3659	0.3379	0.3856	0.327	0.3655	0.3276	0.3475
F	5700K	6100K	0.3277	0.3445	0.327	0.3642	0.3186	0.3486	0.32	0.3324
E	6100K	6500K	0.3201	0.3314	0.3187	0.3473	0.312	0.335	0.3138	0.3213





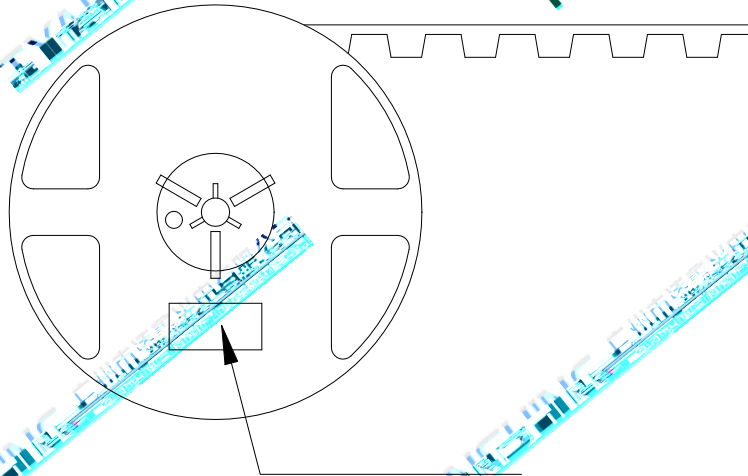
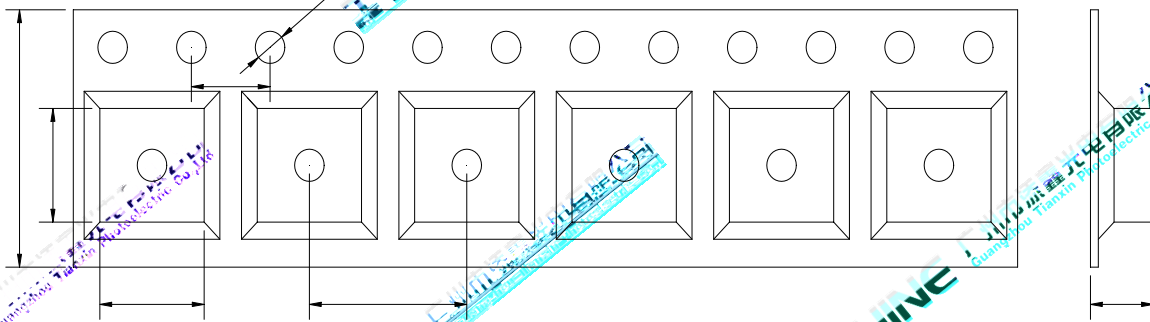
Temperature: 5 ~ 30 (41 ~ 86 )  
Humidity: 60% RH Max.



Ramp-up Rate to Preheat 25 to 150	-	-	2	3	K/s
Time $t_s$ $T_{Smin}$ to $T_{Smax}$	$t_s$	60	100	120	s
Ramp-up Rate to Peak $T_{Smax}$ to $T_p$	-	-	2	3	K/s
Liquidus Temperature	$T_L$	217			
Time above Liquidus temperature	$t_L$	-	80	100	s
Peak Temperature	$T_P$	-	245	255	
Time within 5 of the specified peak temperature $T_p-5$ K	$t_p$	10	20	30	s
Ramp-down Rate $T_p$ to 100	-	-	3	6	K/s
Time 25 to $T_p$	-	-	-	480	-

All temperatures refer to topside of the package, measured on the package body surface.





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.

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