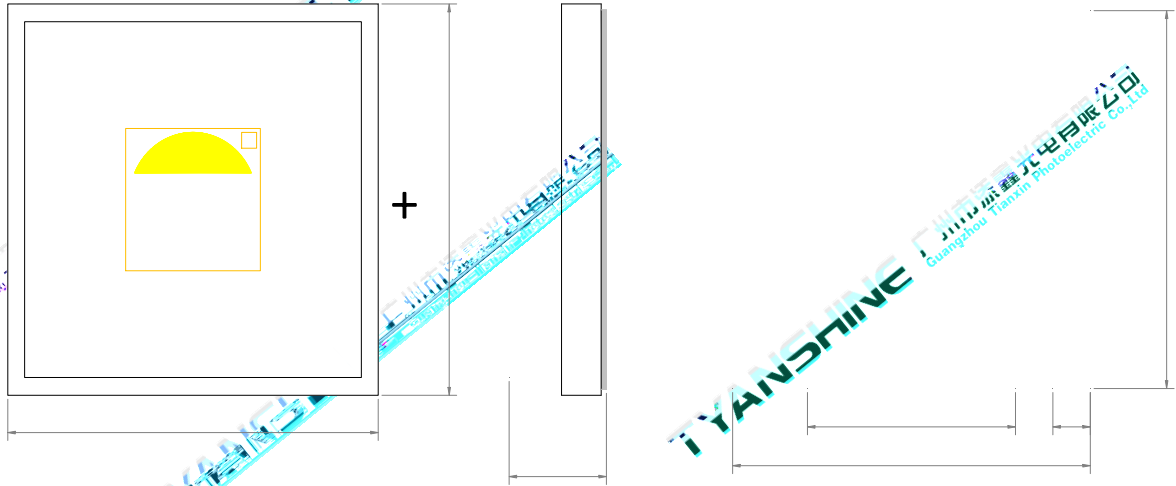


Excellent transiting heat from LED chip operating under 5.0A.
High luminous output
No UV.
Encapsulated materials are environmentally certified and meet environmental requirements.

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.

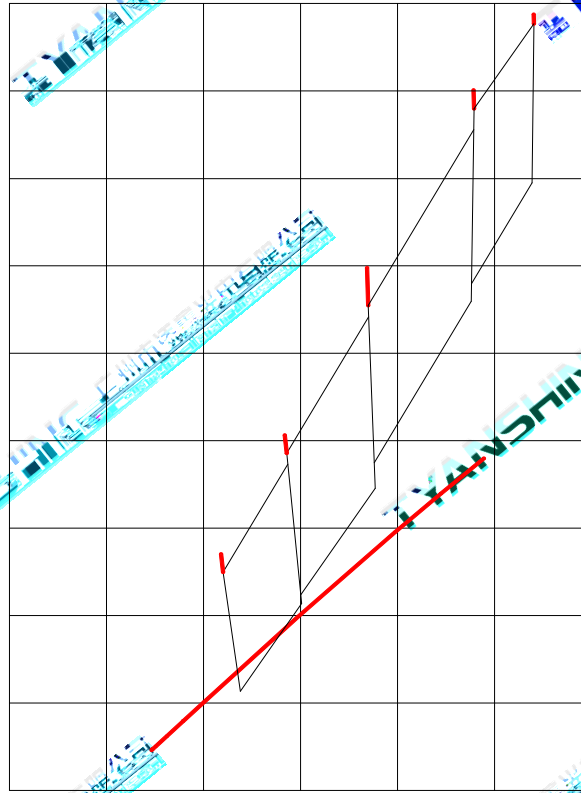
2.The data on this specification is for reference only and the actual data is in accordance with the acknowledgment.

3.Precautions for ESD:

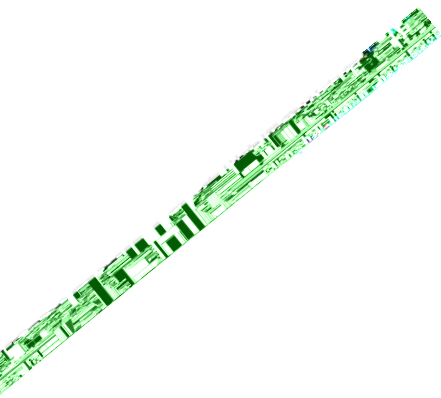
STATIC SHIELD Electricity and surge damages the LED. It is recommended to use a wrist band or anti-electrostatic glove when handling the LED. All devices, equipment and machinery must be properly grounded.

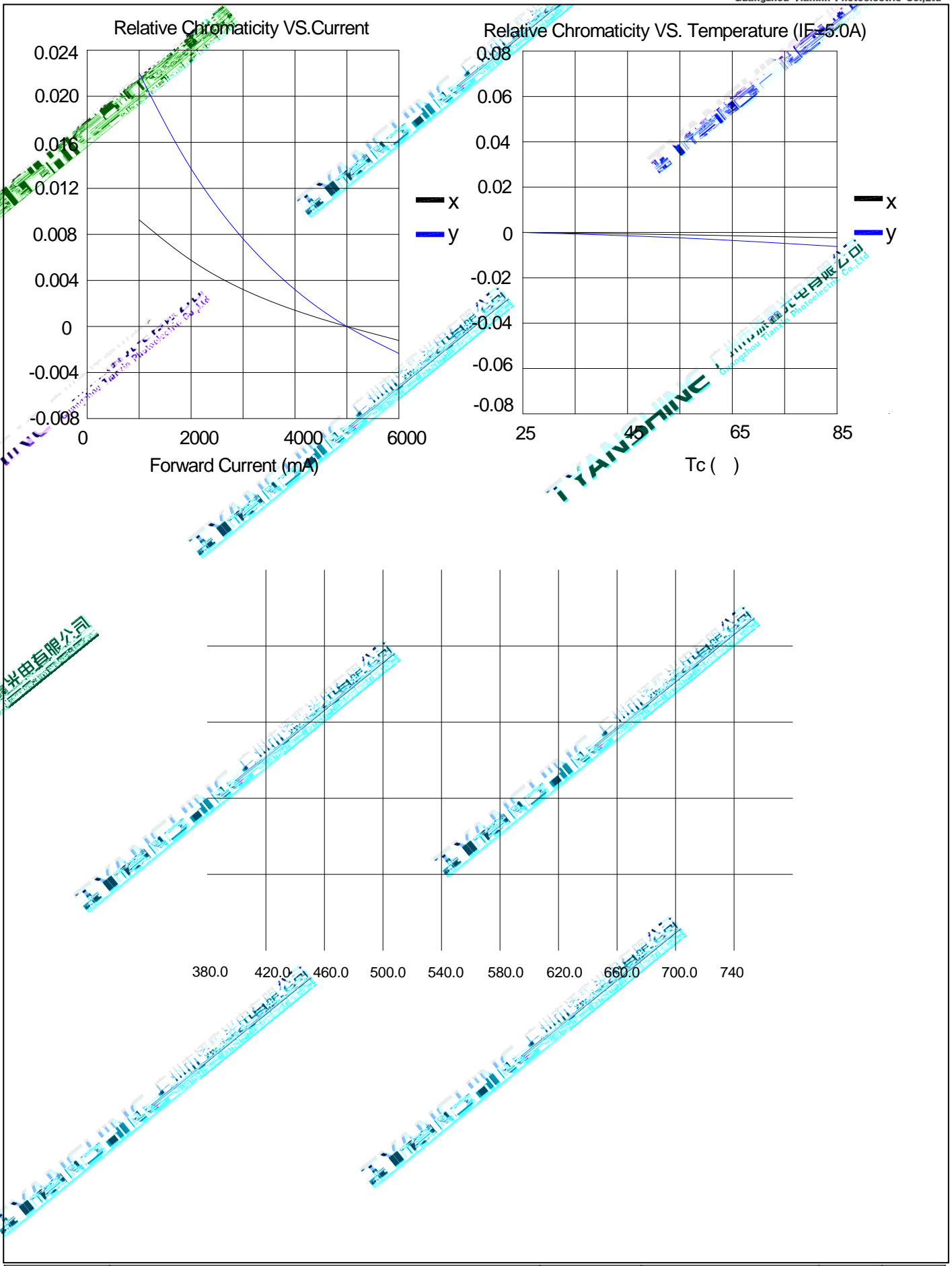
Luminous Flux	v	If=1.0A	W	360	420	480	lm
		If=5.0A	W	1100	1300	1500	
Forward Voltage	V_f	If=1.0A	W	2.8	—	4.0	V
		If=5.0A	W	3.0	—	4.5	
Viewing Angle at 50° IV	$2\ 1/2$	—	W	—	120	—	Deg
Correlated Colour Temperature	CCT	If=1.0A	W	5000	—	6500	K
		If=5.0A	W	5200	—	7400	
Reverse Current	I_R	—	W	—	—	—	μA
Thermal Resistance Junction to Case	R_{J-C}	—	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: $\pm 15\%$.
- 4.Forward voltage measurement tolerance: $\pm 0.15V$.



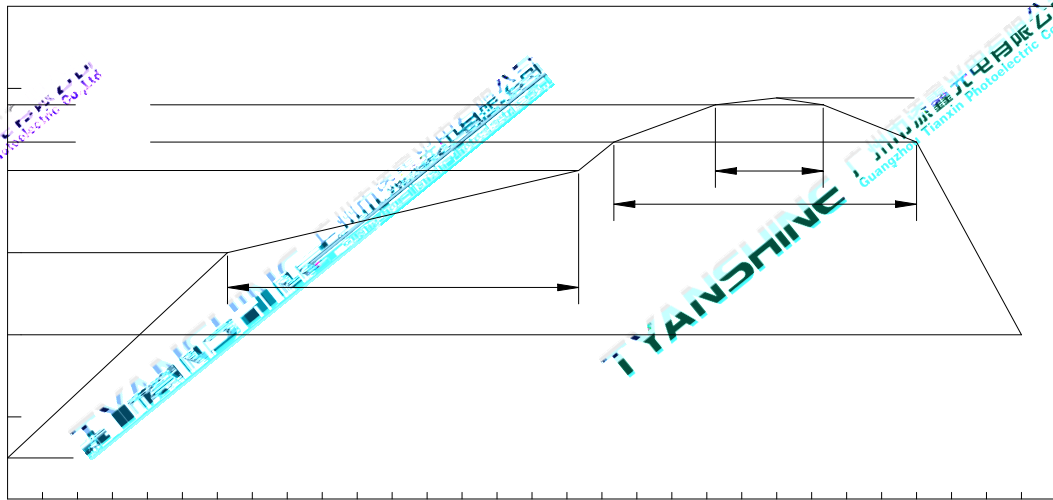
Region	CCT Range		X1	Y1	X2	Y2	X3	Y3	X4	Y4
	Min	Max								
H	5000K	5300K	0.3439	0.3795	0.3441	0.3977	0.3379	0.388	0.3376	0.368
G	5300K	5700K	0.3376	0.3659	0.3379	0.3856	0.327	0.3655	0.3276	0.3475
F	5700K	6100K	0.3277	0.3445	0.327	0.3642	0.3186	0.3486	0.32	0.3324
E	6100K	6500K	0.3201	0.3314	0.3187	0.3473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





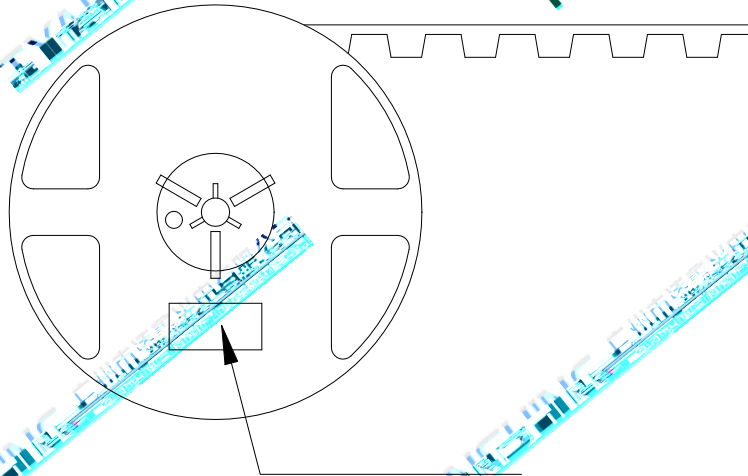
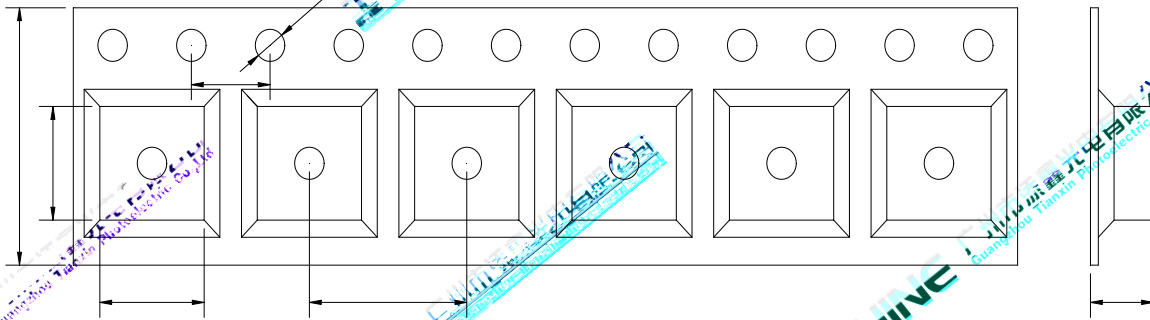
Temperature: 5 ~ 30 (41 ~ 86)

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 ± 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.

