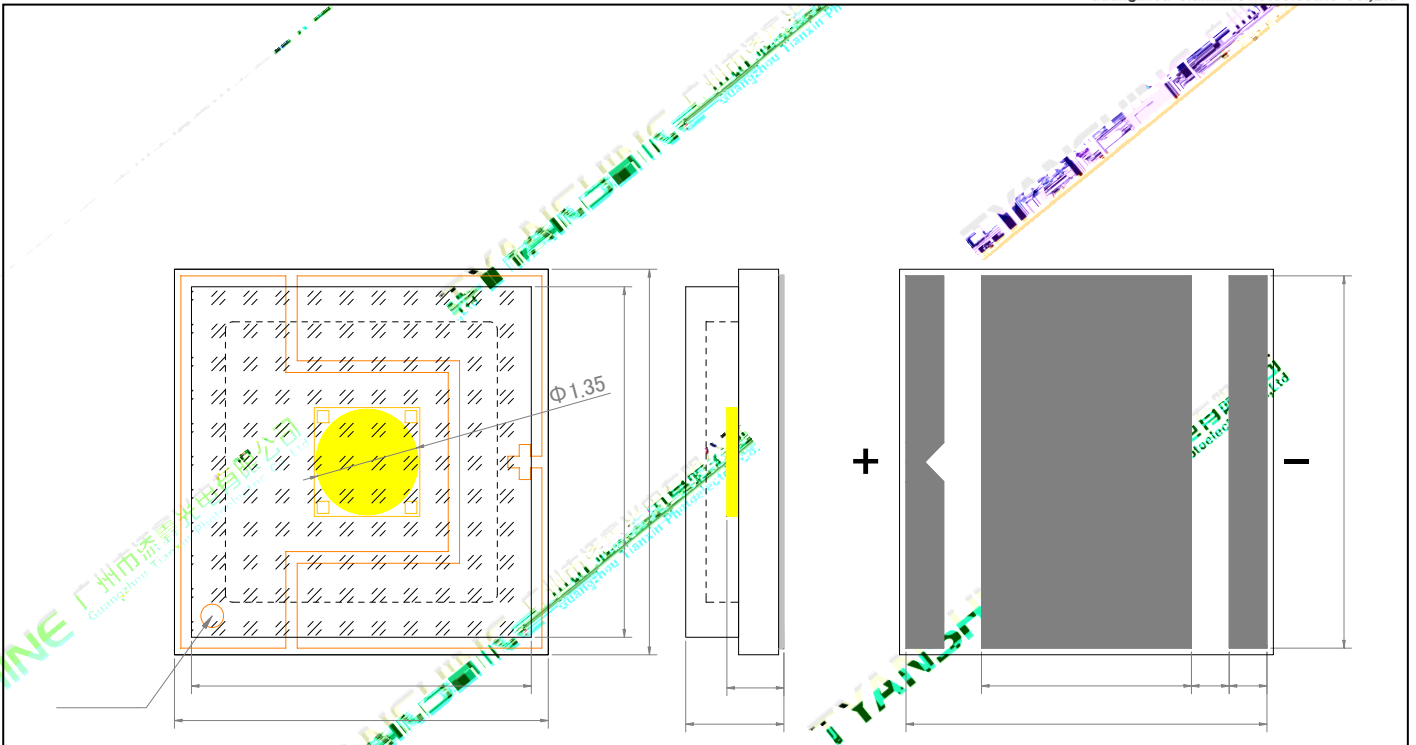


Excellent transiting heat from LED chip operating under 1.0A.
High luminous output
No UV.
Encapsulated materials are environmentally certified and meet environmental requirements.

ThinGaN

White W

Auxiliary lighting
Ambient lighting
Architectural lighting



- 1.All dimensions are in millimeters .
- 2.Tolerances unless otherwise mentioned are $\pm 0.1\text{mm}$.

Part No.	TXD-5050W12FC180-NUVCNG-B01	Spec No.	WKF-FC0070	Page	2 of 9
----------	-----------------------------	----------	------------	------	--------

Forward Current	IF	4.0	A
Reverse Voltage	VR	Not designed for reverse operation	V
Power Dissipation	PD	12	W
Junction Temperature	Tj	130	
Electrostatic Discharge Threshold (ESD)	ESD	2000	V
Storage Temperature	Tstg	-20~+70	
Operation Temperature	Topr	-30~+85	

1.Specifications are subject to change without notice.

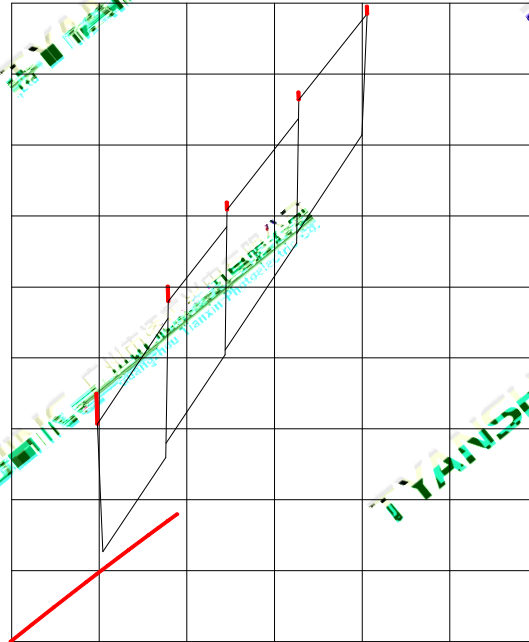
2.The data on this specification is for reference only and the actual data is in accordance with the acknowledgment.

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.

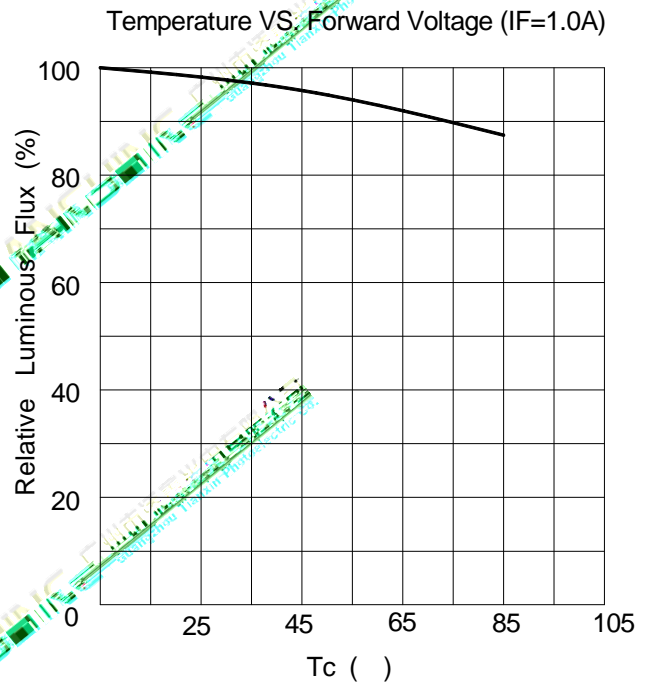
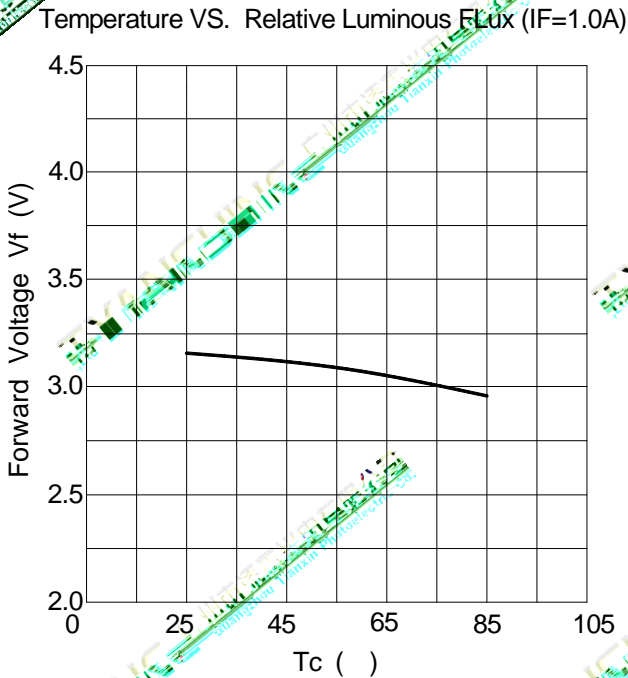
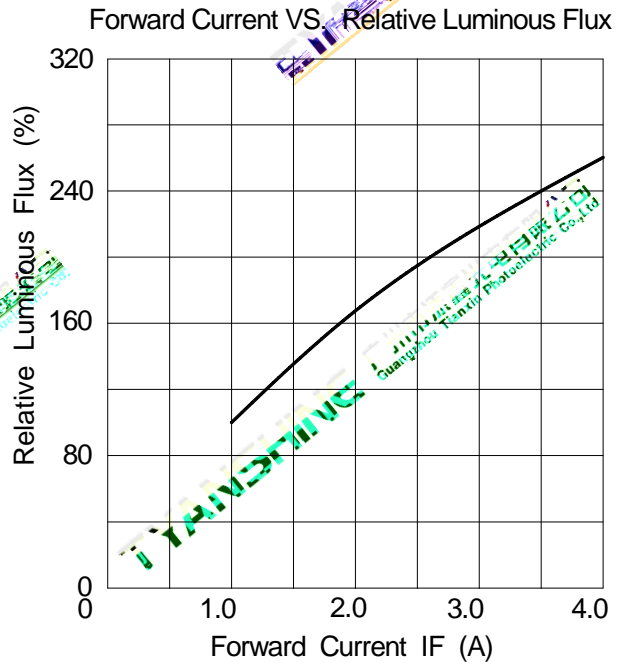
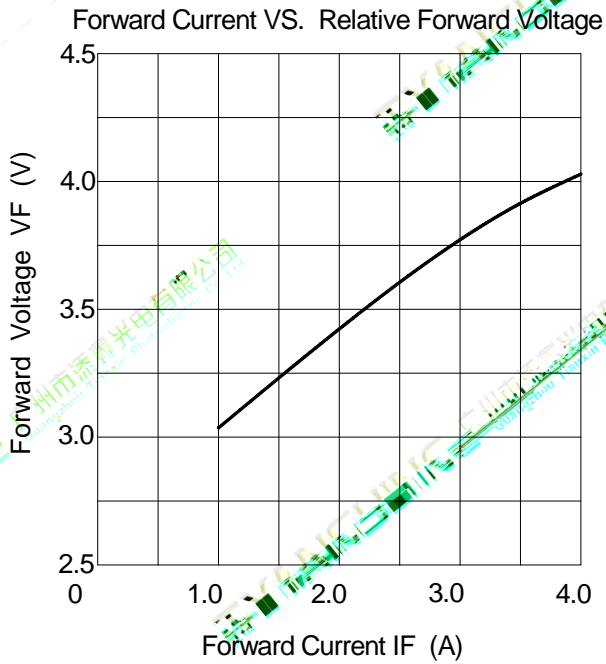
Luminous Flux	v	If=1.0A	W	300	350	400	lm
		If=4.0A	W	900	1000	1100	
Forward Voltage	V _f	If=1.0A	W	2.8	—	3.6	V
		If=4.0A	W	3.6	—	4.3	
Viewing Angle at 50°	2 1/2	—	W	—	120	—	Deg
Correlated Colour Temperature	CCT	If=1.0A	W	4900	—	5600	K
		If=4.0A	W	5400	—	6200	
Reverse Current	I _R	—	W	—	—	—	μA
Temperature Coefficient of Voltage	V F/T	If=1.0A	W	—	-3.58	—	mV/
		If=4.0A	W	—	-2.53	—	

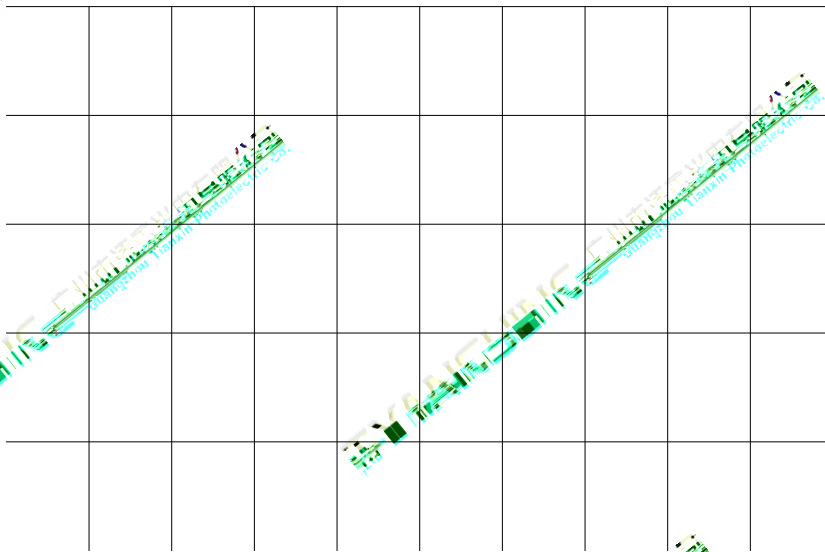
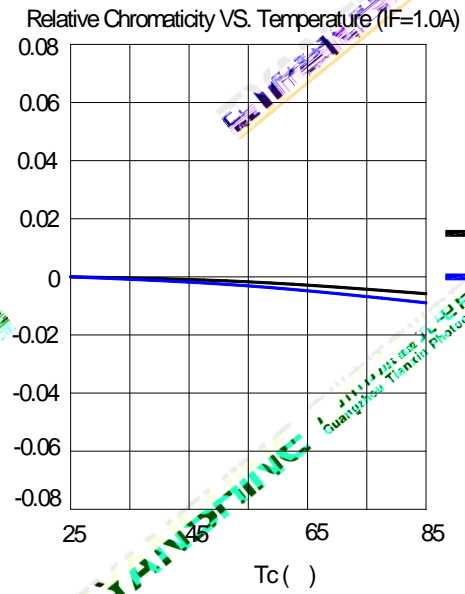
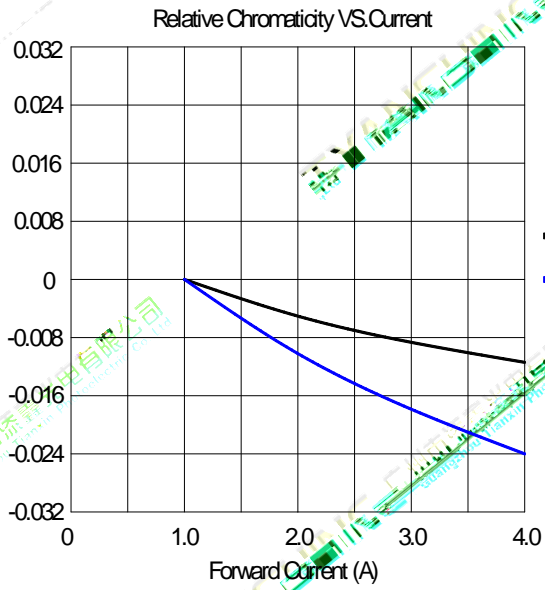
- 1.Luminous intensity is measured with a light sensor and filter combination that approximates the CIE eye-response curve.
2. 1/2 is the off-axis angle at which the luminous intensity is half the axial luminous intensity.
- 3.Luminous flux measurement tolerance:±15%.
- 4.Forward voltage measurement tolerance:±0.15V.



Region	CCT Range		X1	Y1	X2	Y2	X3	Y3	X4	Y4
	Min	Max								
J	4700K	4900K	0.3600	0.4014	0.3606	0.4185	0.3528	0.4064	0.3526	0.3875
I	4900K	5100K	0.3525	0.3862	0.3528	0.4037	0.3446	0.3909	0.3444	0.3711
H	5100K	5300K	0.3444	0.3704	0.3446	0.3885	0.3379	0.3780	0.3376	0.3580
G	5300K	5600K	0.3376	0.3559	0.3379	0.3756	0.3298	0.3607	0.3304	0.3427

(25 Ambient Temperature Unless Otherwise Noted)

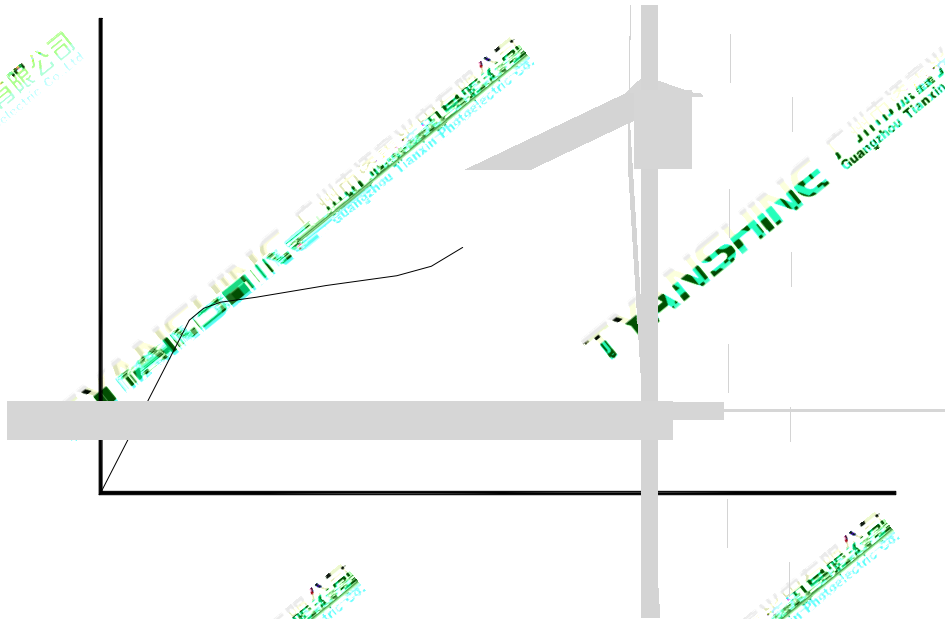


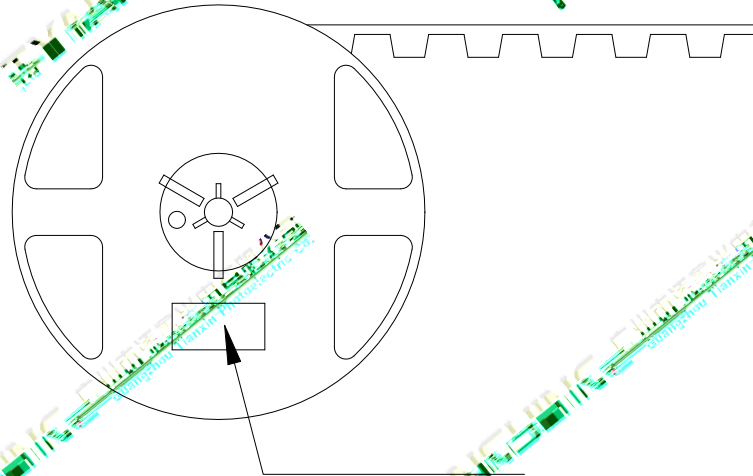
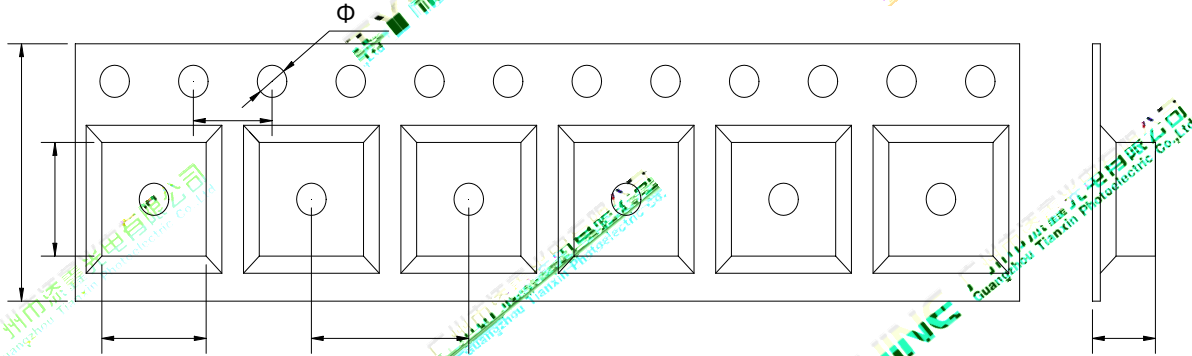


Temperature: 5 ~ 30 (41 ~ 86)

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.

Part No.	TXD-5050W12FC180-NUVCNG-B01	Spec No.	WKF-FC0070	Page	9 of 9
----------	-----------------------------	----------	------------	------	--------