

Each cell is a high power LED chip with a current of 1000mA.

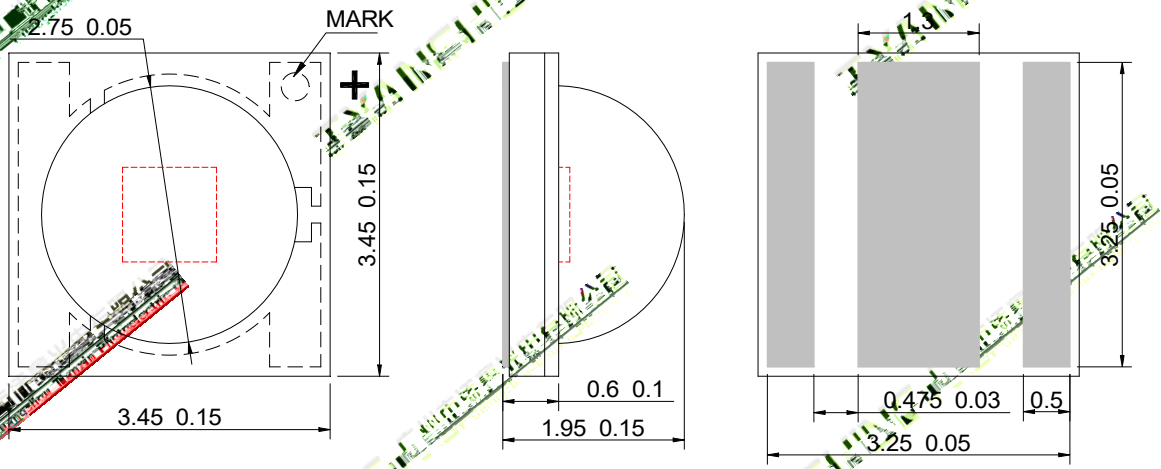
High brightness
UV.

Each lamp is a high power LED chip with a current of 1000mA.

LEVEL1

Red

Powerful
High brightness
General lighting



T ie

Side ie

B ie



Forward Current	IF	1000	A
Reverse Voltage	VR	5	V
Power Dissipation	PD	2300	W
Junction Temperature	Tj	150	
Electrostatic Discharge Threshold (ESD)	ESD	ESD sensitivity	V
Storage Temperature	Tg	-40 +70	
Operating Temperature	T	-30 +85	
Maximum Junction Temperature (Tj max)	Tc	85	

1. Specific application charge instructions.

2. The data sheet specifications are for reference only. Please refer to the actual product specifications for details.

3. Precautions for ESD:

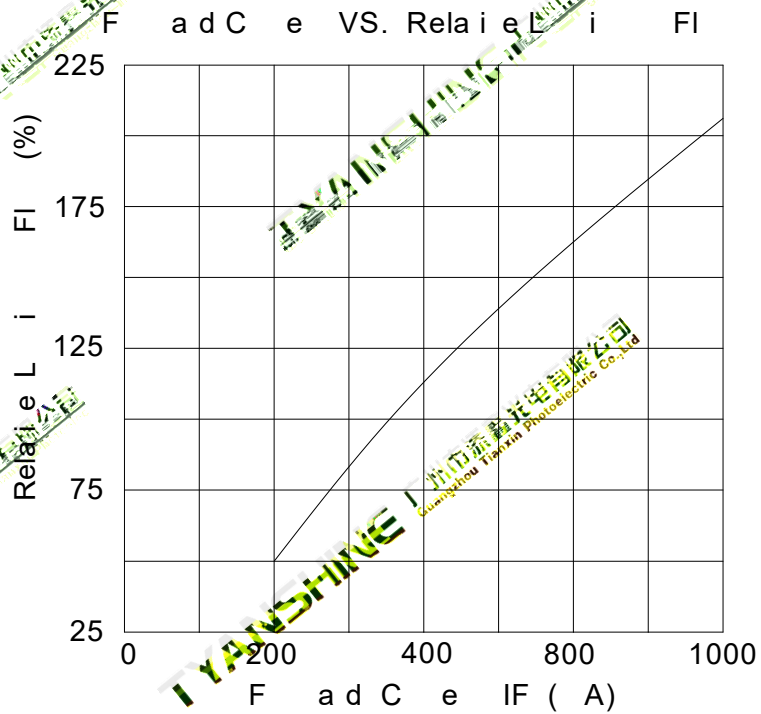
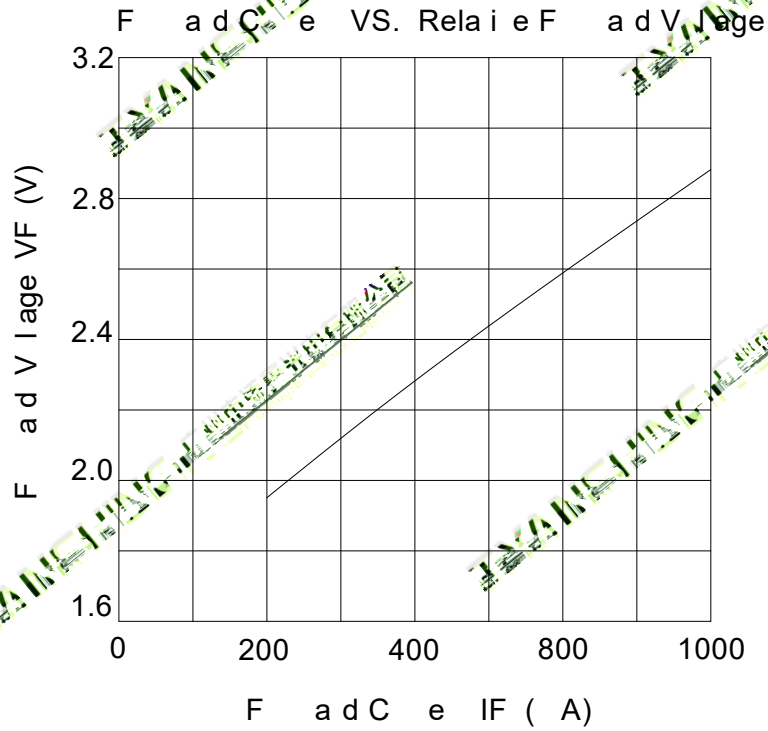
STATIC SHIELD Electrostatic discharge protection for LED. It is recommended to use anti-static bags for storage and handling of LEDs. All devices should be stored in anti-static bags. All devices should be stored in anti-static bags.

4. The data sheet specifications are for reference only. Please refer to the actual product specifications for details.

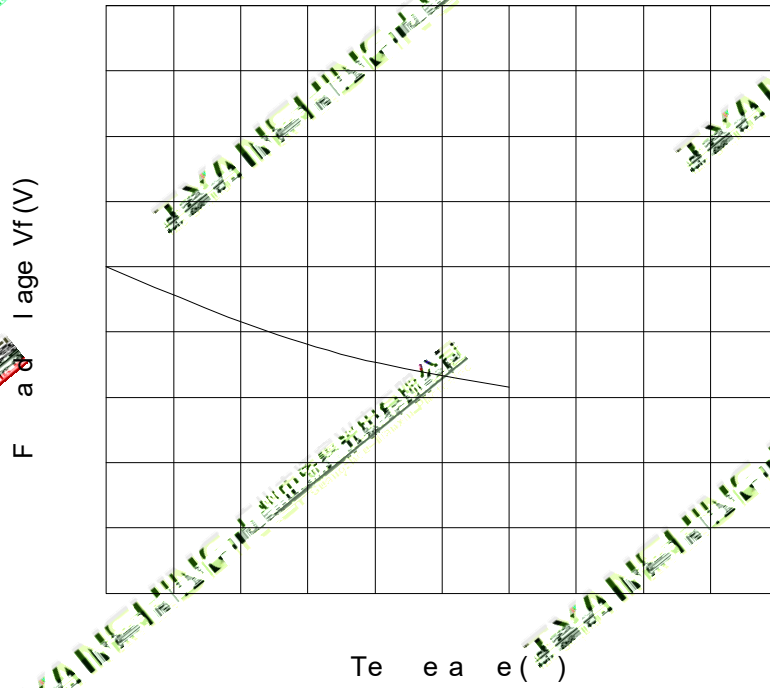
L	Fl			55	70	85	l
F	adV l age	V _f		1.8	2.2	2.6	V
Peak E	i i Wa ele gh		If=350 A	630	635	640	
D	i a Wa ele gh	d		618	622	625	
S	ec alLi e Half Wid h			15	20	25	
Vie i gA	gle a 50 IV	2 1/2			120		Deg
Re e eC e		I _R				2	A
Ther alRe i a ceJ ci	Ca e	R _{J-C}		63		KW	
Te e a eC efficie f	V l age	V _{F/T}	If=350 A		-2		V/

- 1.L i i e i i ea ed i h a ligh e a d file c bi a i ha a i a e he CIE e e- e e c e.
2. 1/2i he ff-a i a gle a hich hel i i e i i half he a ial- i e i .
- 3.L i fl ea e e le a ce: 15%.
- 4.F a d l age ea e e le a ce: 0.15V.

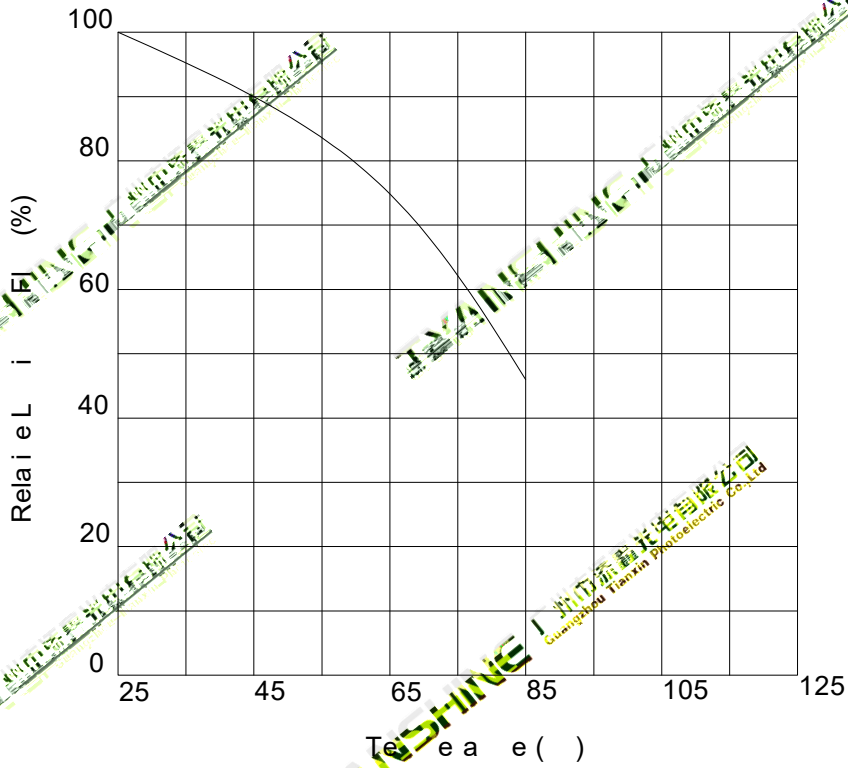
(25 A bie Te e a eU le O he i eN ed)



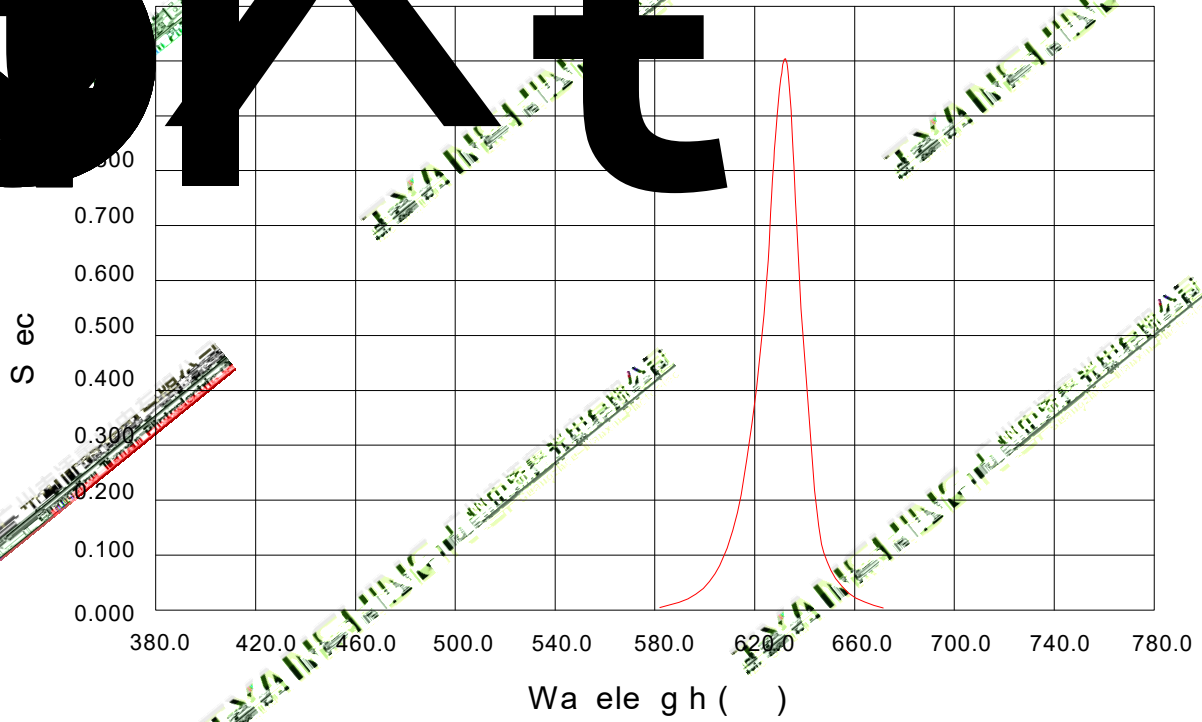
Te e a e VS. F a d / l a g e (IF=350 A)



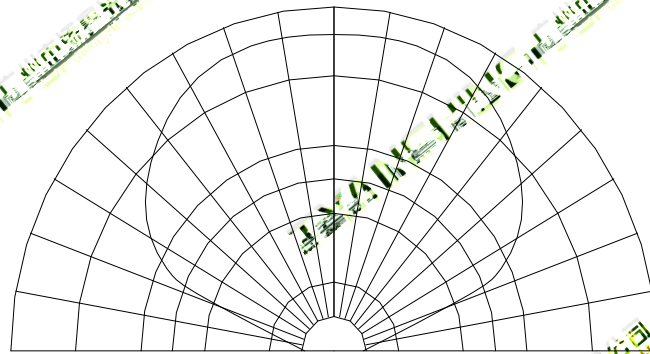
Te e a e VS. R e l a i e L i F l (IF=350 A)



Relative Spectral Distribution



Beam Pattern



Relative Intensity (LOP@MAX=1)

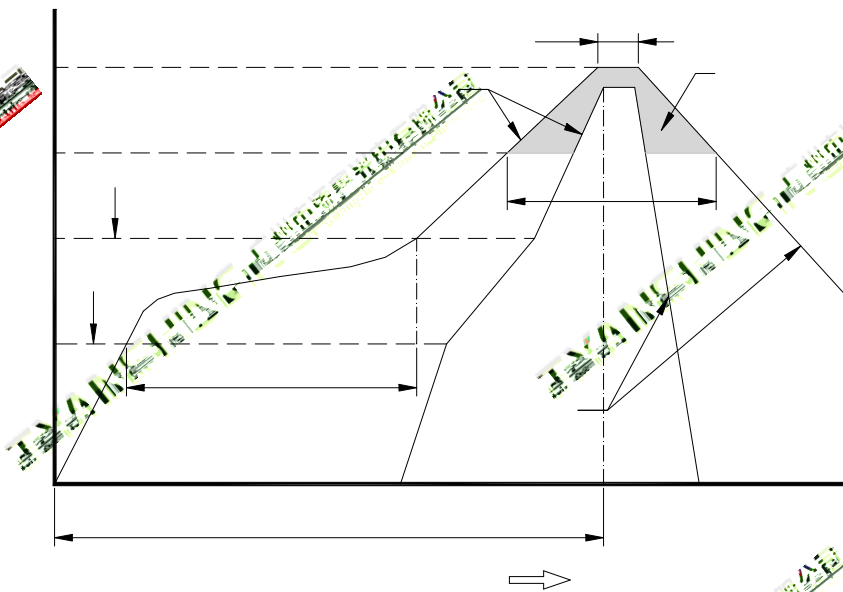
1.2 I

2

Temperature: 25°C (77°F)

Humidity: 50% RH Max.

Use the circuit in the following figure.



Rated Power (P _{max})	300mW
Peak Power (P _{peak})	190mW
Peak Current (I _{peak})	120-180mA
Thermal Resistance (R _{th(j-c)})	230°C/W
Thermal Resistance (R _{th(j-a)})	60-150°C/W
Peak Classification Temperature (T _p)	255°C
Thermal Resistance (R _{th(j-c)})	10-35°C/W
Thermal Resistance (R _{th(j-a)})	5°C/W
Thermal Resistance (R _{th(j-c)})	7°C/W

All electrical parameters are defined for the package, measured on the package bottom face.

