

Excellent transiting heat from LED chip operating 3.5 A.
High luminous output.
No UV.
Encapsulated materials are environmental certified and meet environmental requirements.

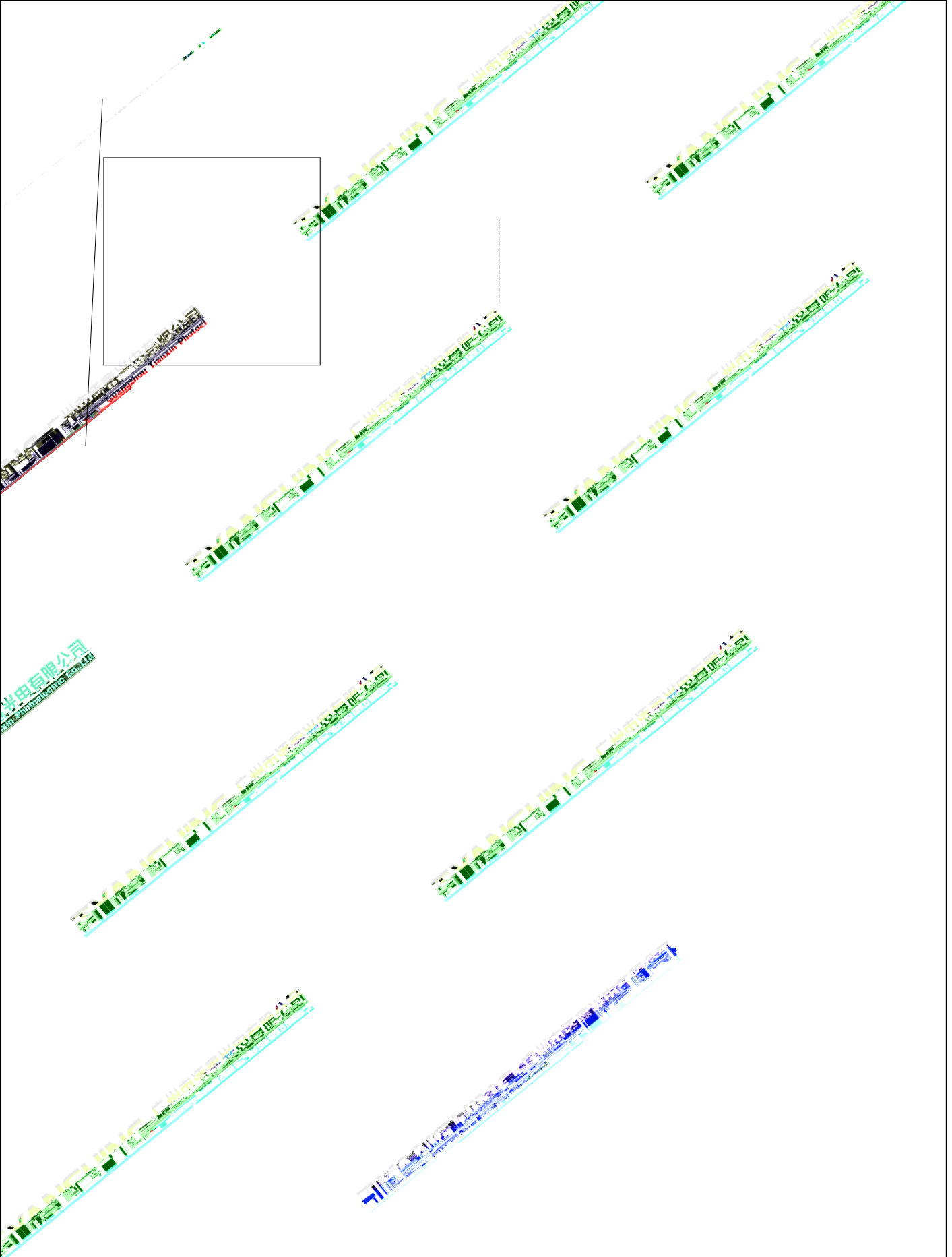


GaN

Blue

Portable Flashlight
Garden lighting
General Lighting





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Forward Current	I_F	1500	mA
Reverse Voltage	V_R	5	V
Reverse Current	I_R	2	μA
Power Dissipation	P_D	5700	mW
Junction Temperature	T_J	150	
Electrostatic Discharge Threshold (ESD)	ESD	2000	V
Storage Temperature	T_{stg}	-40 +70	
Operation Temperature	T_{opr}	-30 +100	

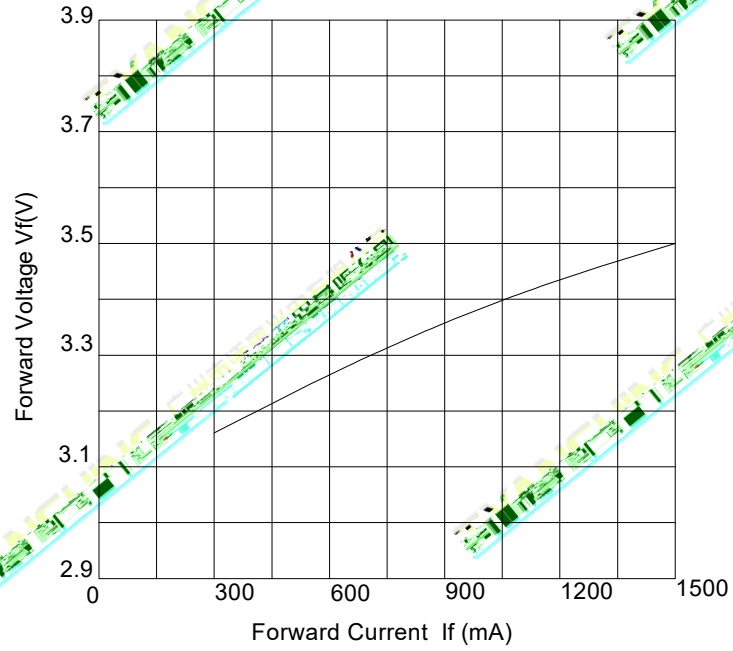
1. Specifications are subject to change without notice.
2. The data on this specification is for reference only and the actual data is in accordance with the actual product.
3. Precautions for ESD:
 - ESD: Static electricity and surge damages the LED. It is recommended to use a wrist band or anti-electrostatic glove when handling the LED. All devices, equipment and machinery must be properly grounded.

Luminous Flux	Φ_v	32	36		lm
Forward Voltage	V_f	2.9	3.3	3.7	V
Peak Emission Wavelength	λ_p	443	448	453	nm
Dominant Wavelength	λ_d	447	452	457	nm
Spectral Line Half-Width		15	20	25	nm
Viewing Angle at 50% I _V	$2\theta_{1/2}$		120		Deg
Reverse Current	I_R			2	A
Thermal Resistance Junction to Case	R_{j-c}		6.1		$^{\circ}C/W$

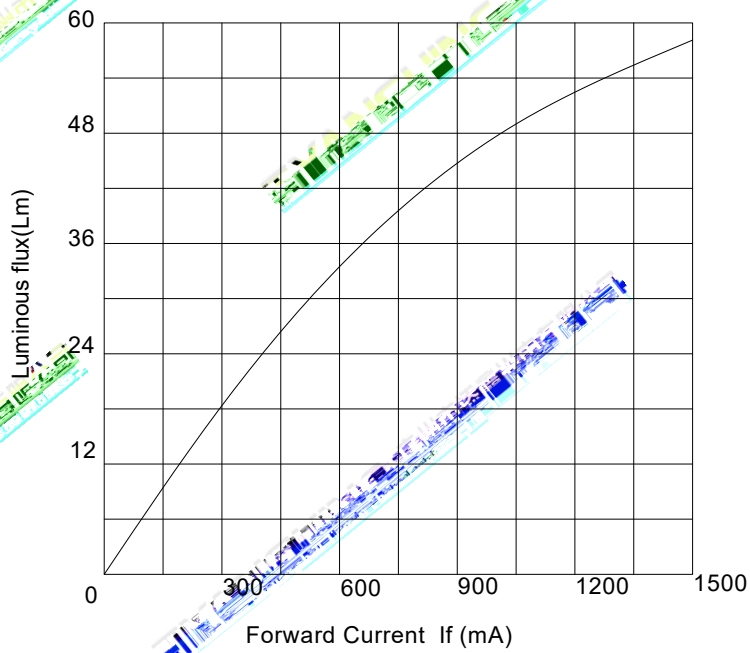
1. Luminous intensity is measured with a light sensor and a combination that approximates the CIE eye response curve.
2. $\theta_{1/2}$ is the off-axis angle at which the luminous intensity is half the axial luminous intensity.
3. Luminous flux measurement tolerance: 15%.
4. Forward voltage measurement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

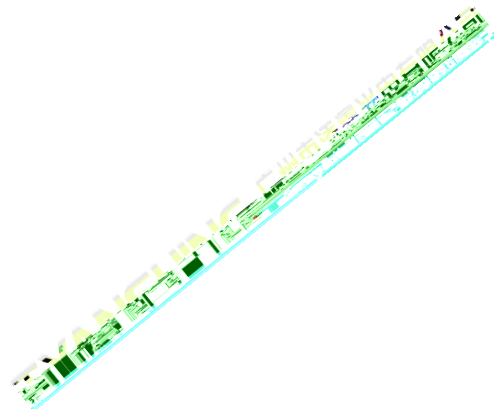
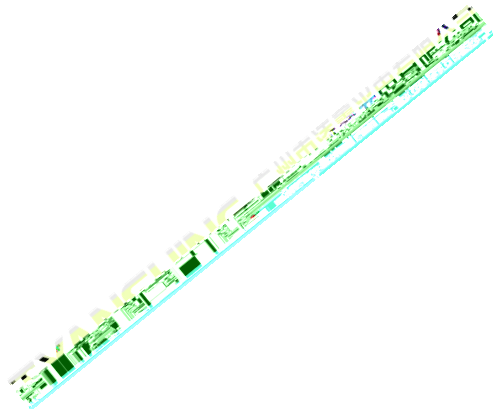
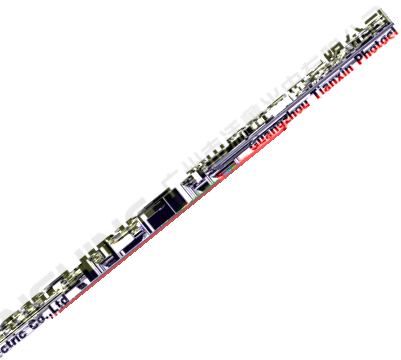
(25 Ambient Temperature Unless Otherwise Noted)

Forward Current VS. Forward Voltage

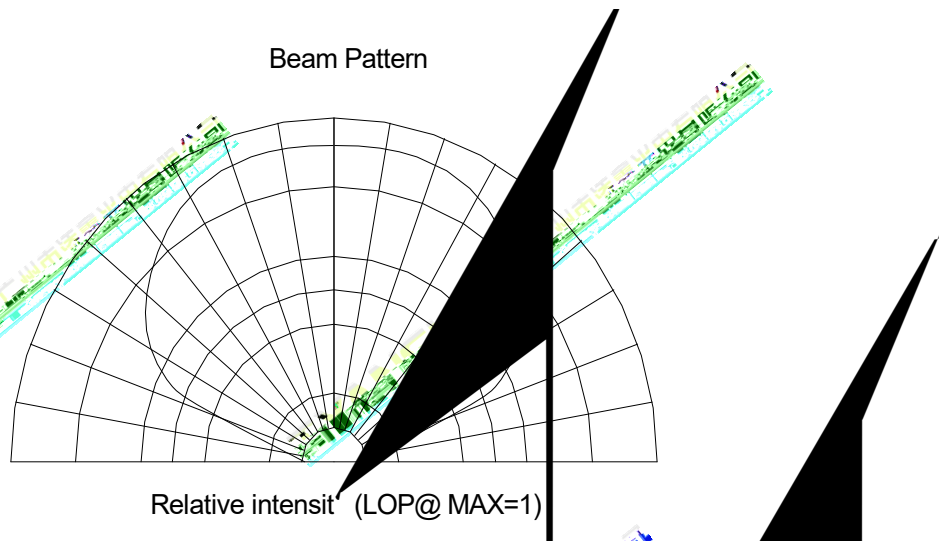
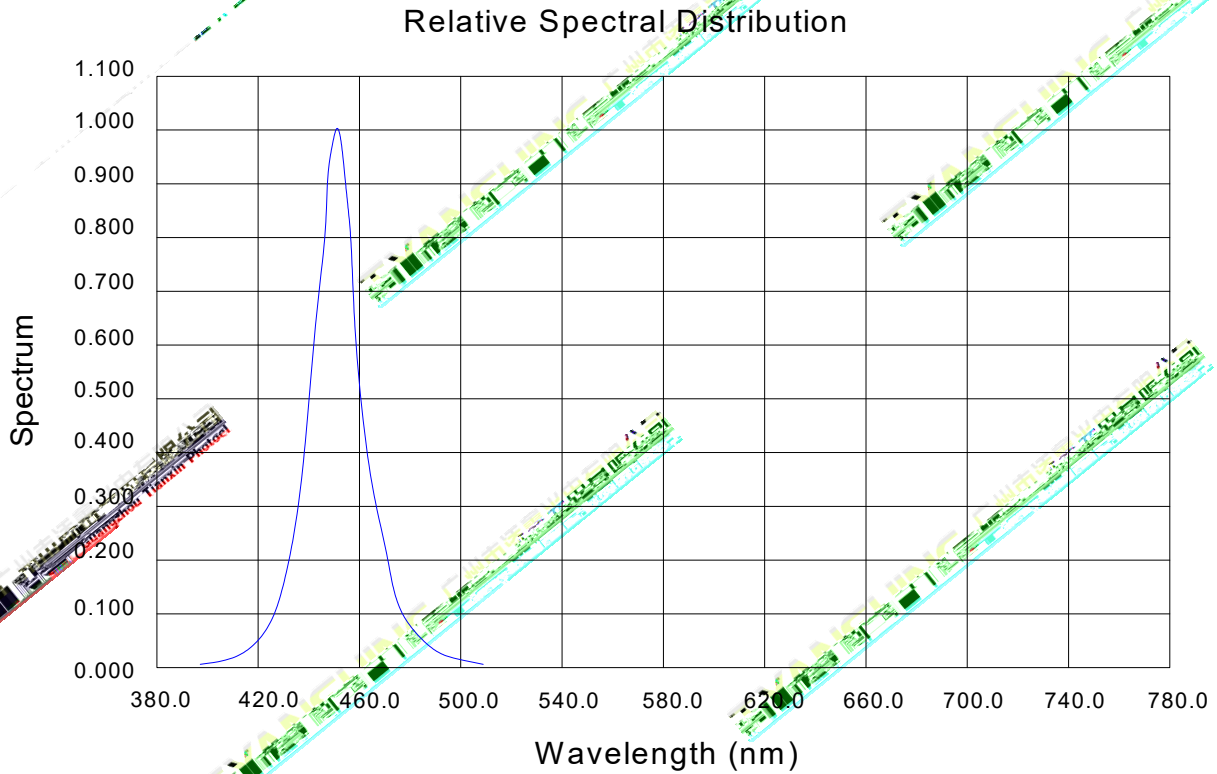


Forward Current VS. Luminous flux





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Suzhou Saiye Electronics Co., Ltd.

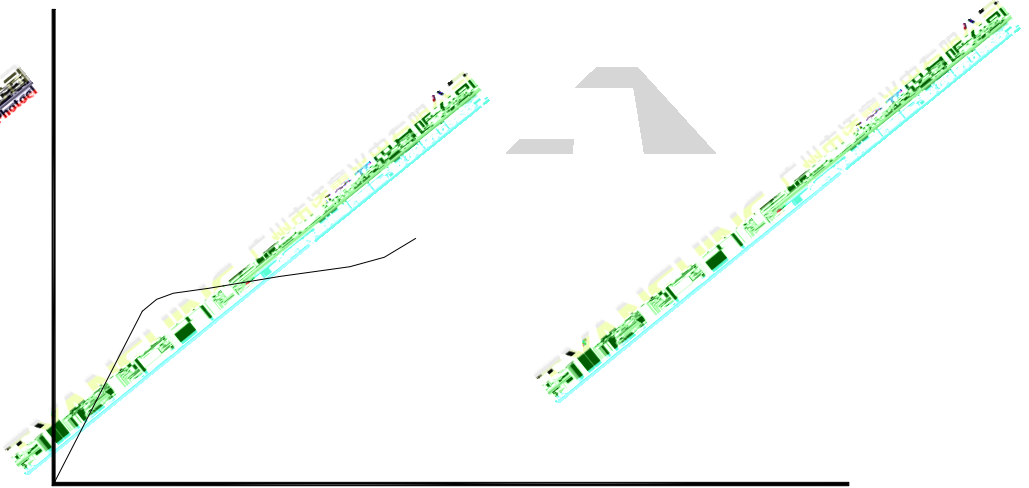


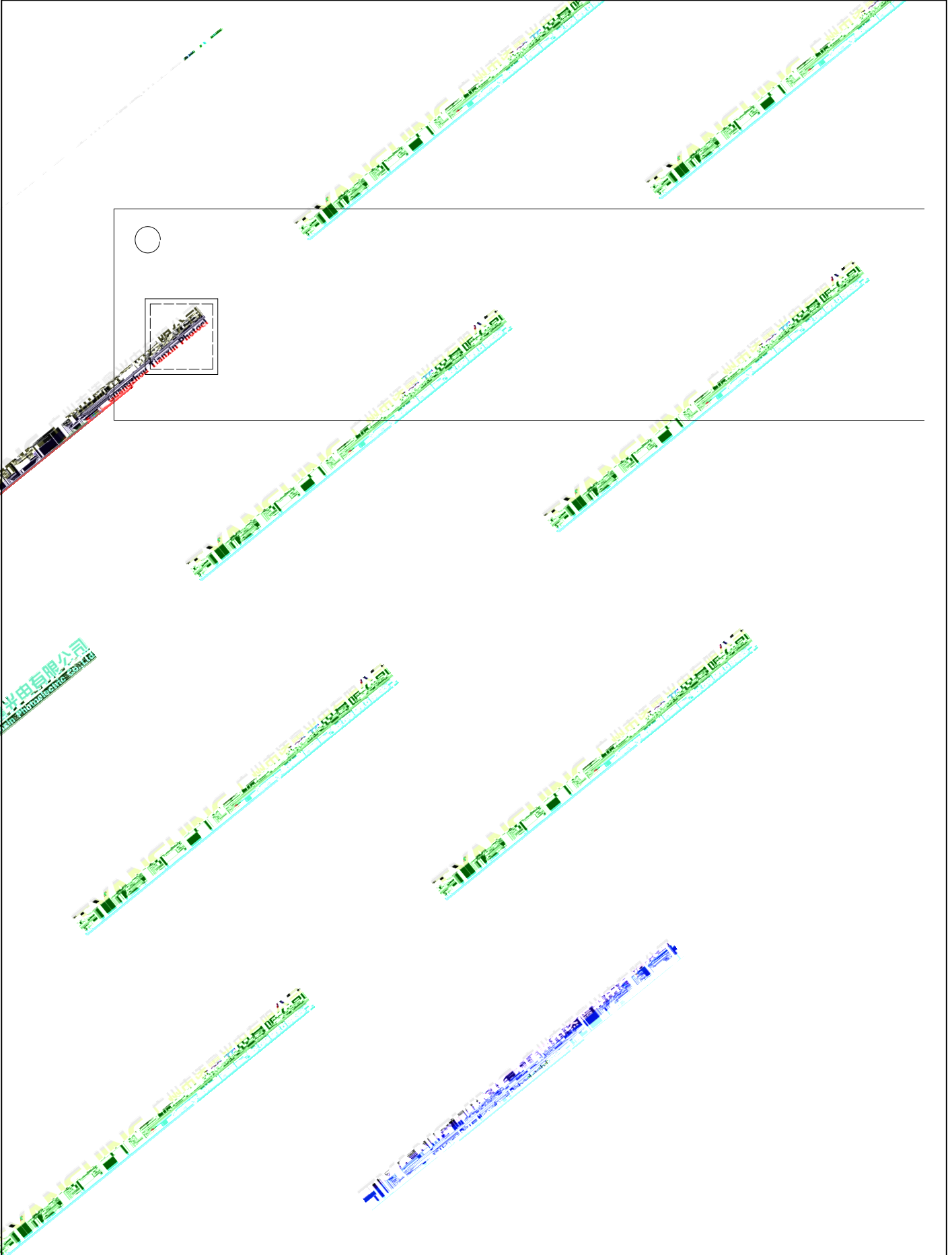
1. $2 \frac{1}{2}$ is the off axis angle from lamp centerline where the luminous intensit' is 1/2 of the peak value.
2. View angle tolerance is 5° .

Temperature: 5 30 (41 86)

Humidity: 60% RH Max.

Use the conditions shown to the under figure.





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