

Excellent transiting heat from LED chip operating 3.5 A.

High luminous output.

No UV.

Encapsulated materials are environmental certified and meet environmental requirements.



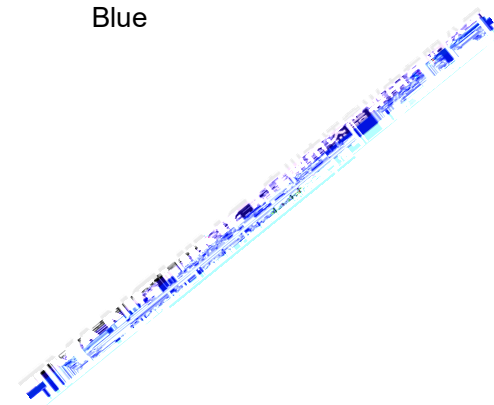
GaN

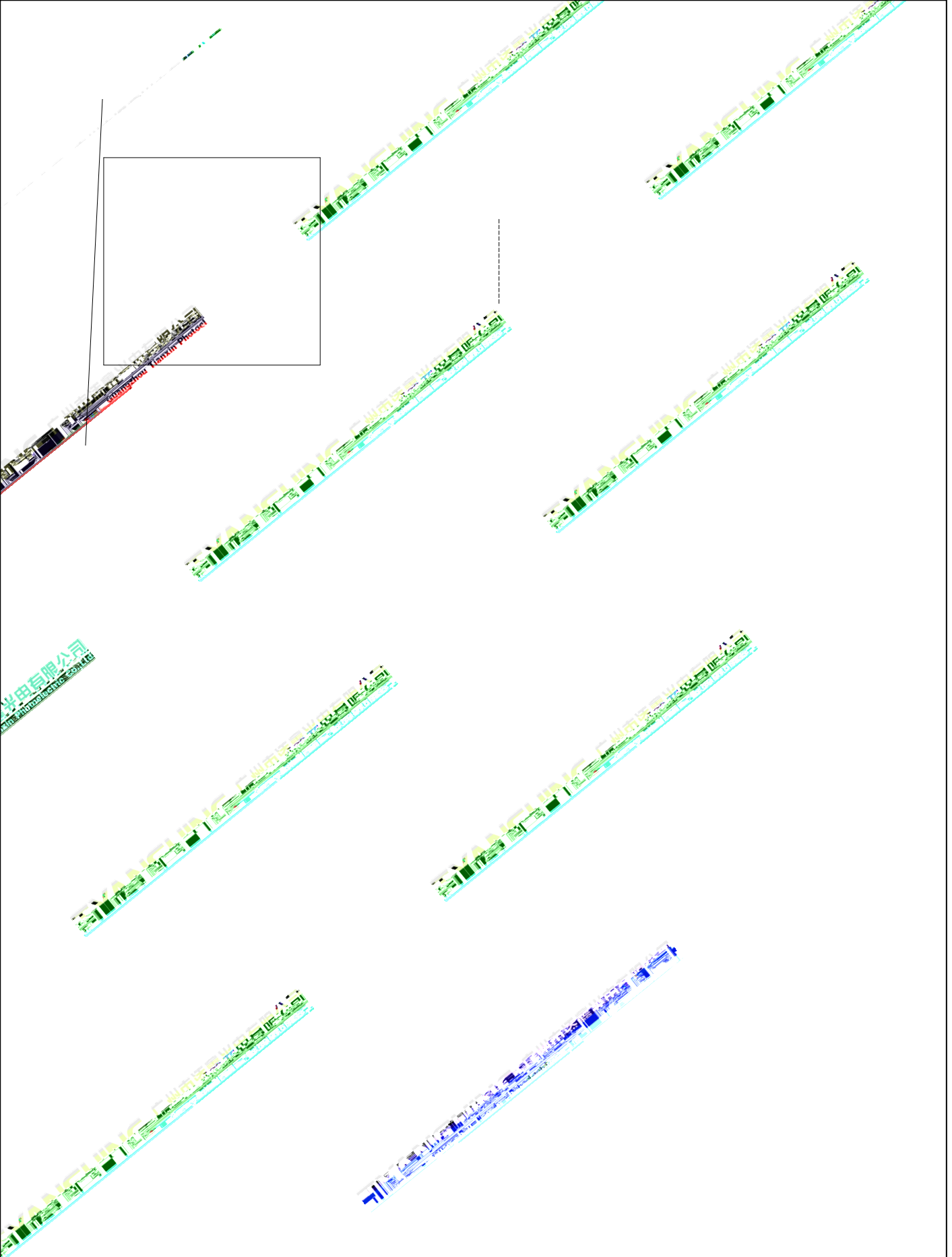
Blue

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 test results. Please acknowledge.

3. Precautions for ESD:

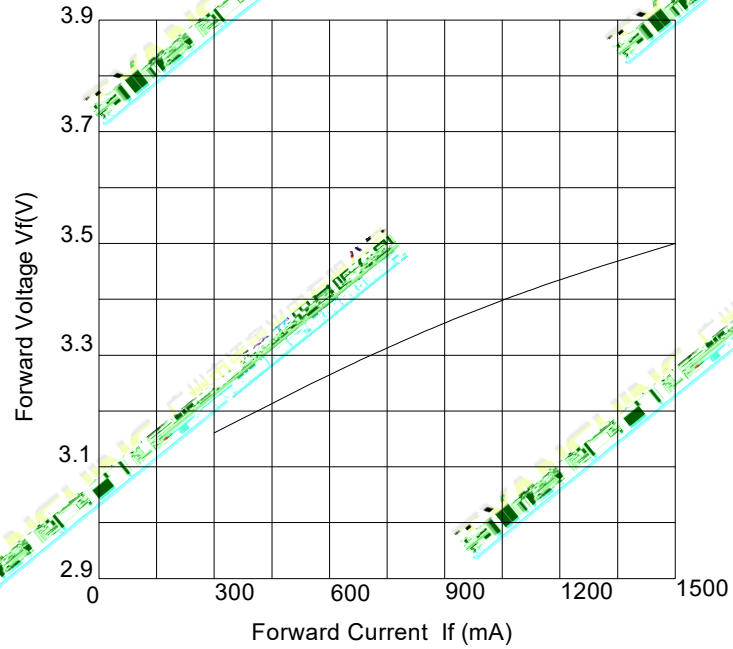
1. STATIC SHIELD: Electric static and surge damages the LED. It is recommended to use a wrist band or anti-electrostatic glove when handling the LED. All devices, equipment and machinery must be properly grounded.

Luminous Flux	Φ_v		32	36		lm
Forward Voltage	V_f		2.9	3.3	3.7	V
Peak Emission Wavelength	λ_p	$I_f=700mA$	443	448	453	nm
Dominant Wavelength	λ_d		447	452	457	nm
Spectral Line Half-Width			15	20	25	nm
Viewing Angle at 50% Intensity	$2\theta_{1/2}$			120		Deg
Reverse Current	I_R				2	A
Thermal Resistance Junction to Case	R_{j-c}			6.1		$^{\circ}C/W$

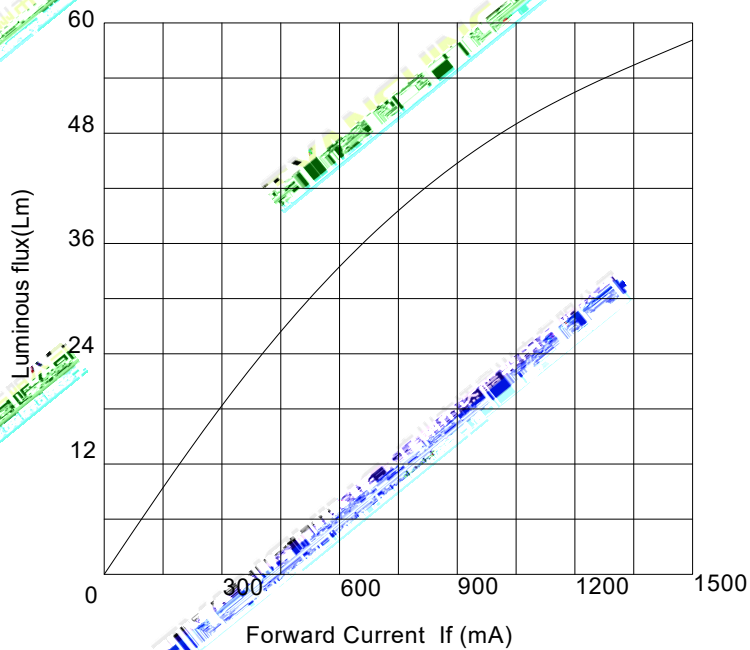
1. Luminous intensity is measured with a light sensor and a combination that approximates the CIE eye response curve.
2. $\theta_{1/2}$ is the off-axis angle at which the luminous intensity is half the axial luminous intensity.
3. Luminous flux measurement tolerance: 15%.
4. Forward voltage measurement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

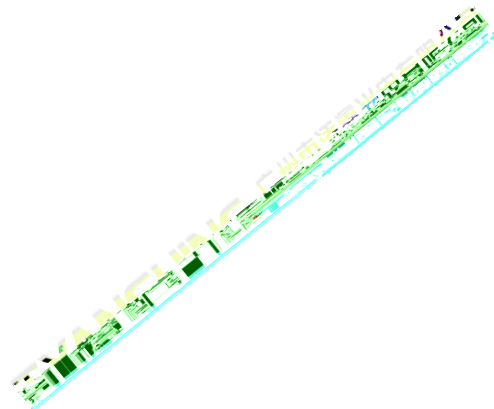
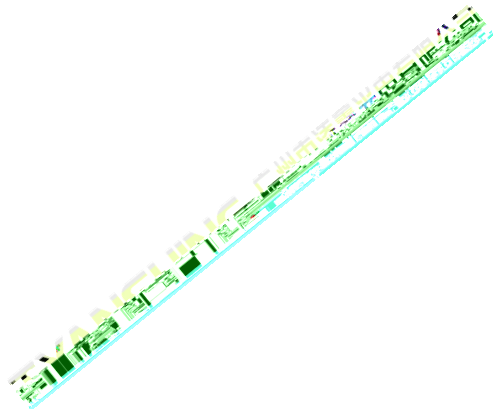
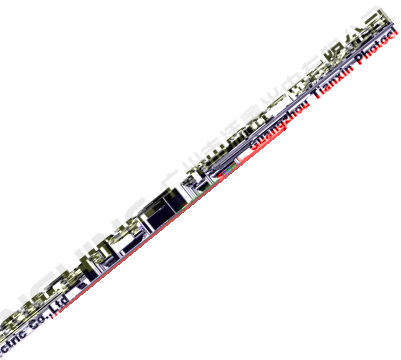
(25 Ambient Temperature Unless Otherwise Noted)

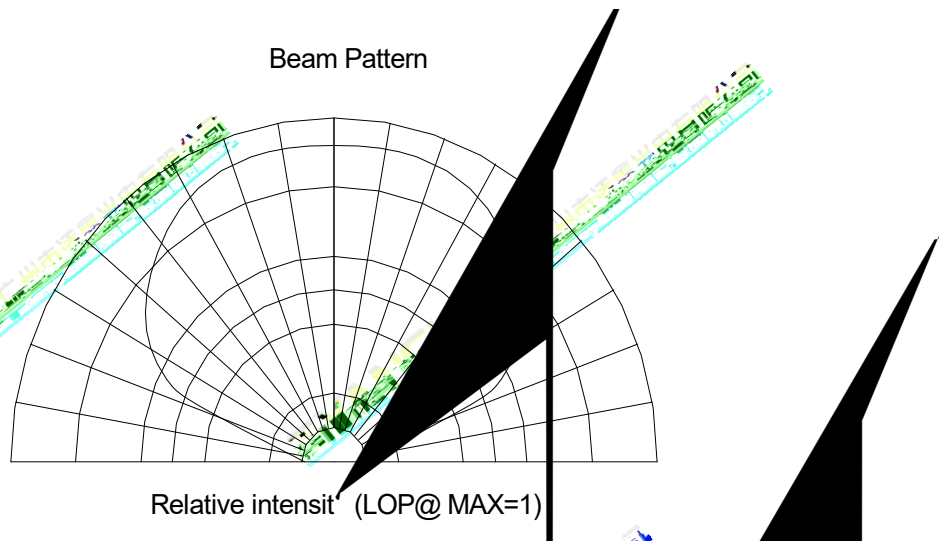
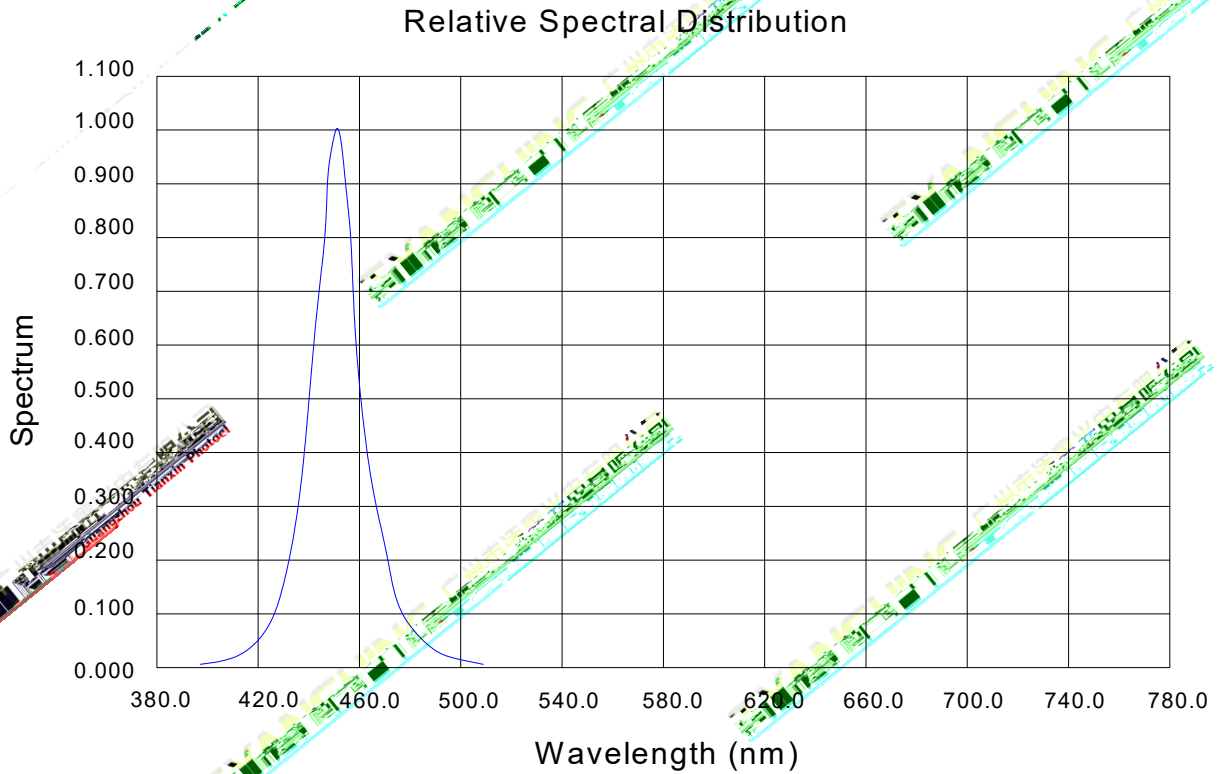
Forward Current VS. Forward Voltage



Forward Current VS. Luminous flux





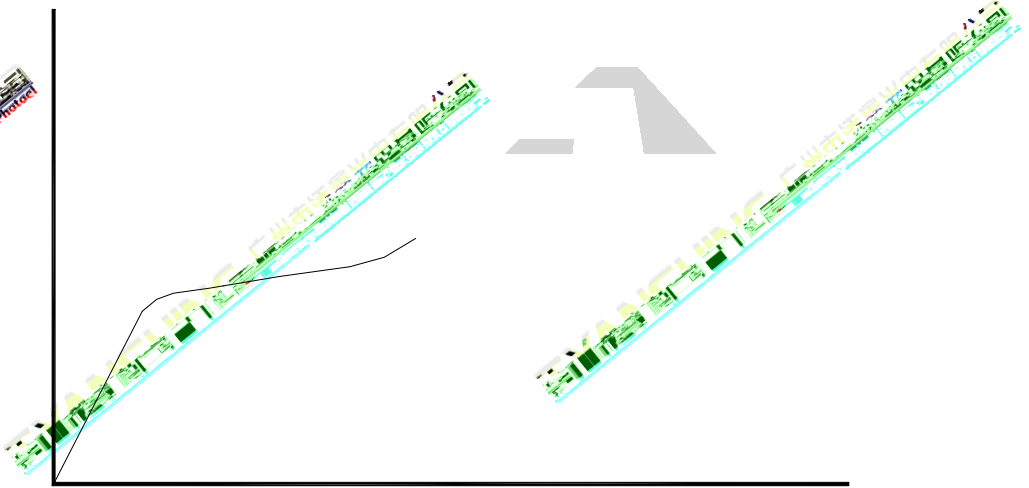


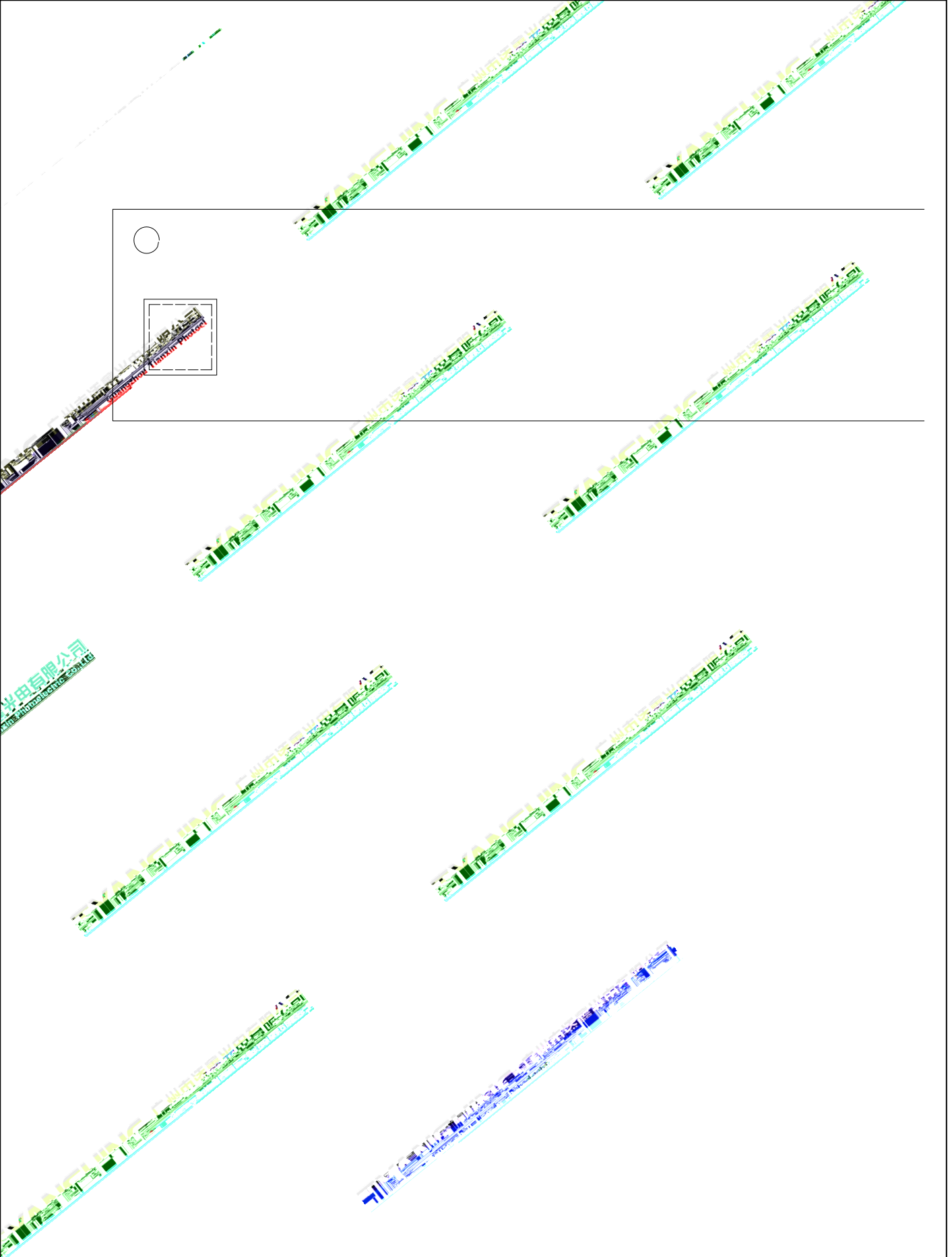
1. $2 \frac{1}{2}$ is the off axis angle from lamp centerline where the luminous intensit' is 1/2 of the peak value.
2. View angle tolerance is 5° .

Temperature: 5 30 (41 86)

Humidity: 60% RH Max.

Use the conditions shown to the under figure.





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