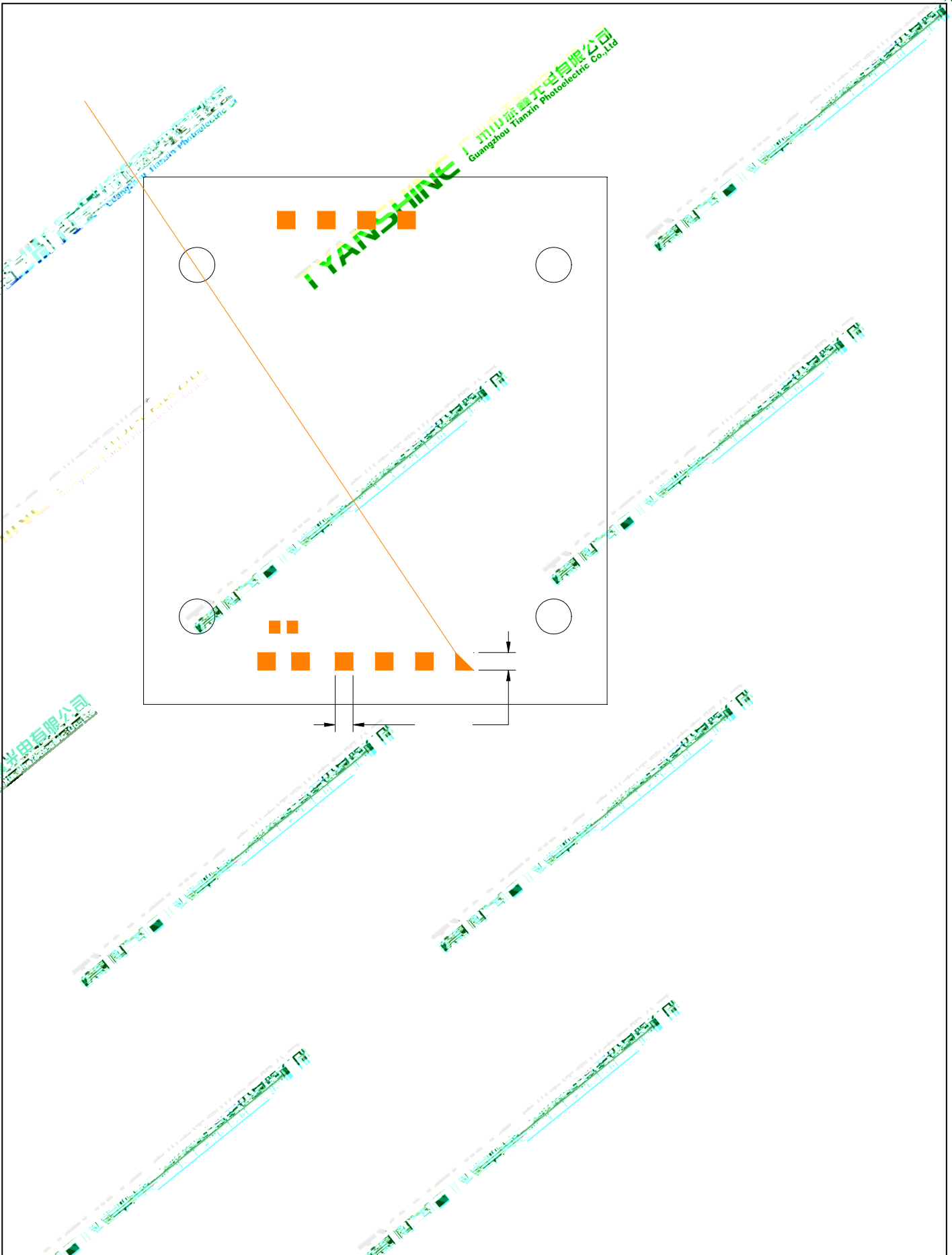


Excellent transiting heat from LED chip operating under 1.2 A.  
 Mixing any two colors of light, there will be no partial color and color spots uneven phenomenon.  
 High luminous output.  
 No UV.  
 Encapsulated materials are environmentally certified and meet environmental requirements.

Red: AlGaInP  
 Green: GaInN  
 Blue: GaN  
 Yellow: AlGaInP

Red  
 Green  
 Blue  
 Yellow

Entertainment lighting  
 Landscape lighting  
 Commercial lighting  
 Decorative lighting



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Forward Current	IF	1.2	A
Reverse Voltage	VR	Not designed for reverse operation	
Power Dissipation	PD	R	27600
		G	36900
		B	36900
		Y	36900
Junction Temperature	Tj	R	115
		G	150
		B	150
		Y	150
Electrostatic Discharge Threshold (ESD)	ESD	2000	V
Storage Temperature	Tstg	-40~+70	
Operation Temperature	Topr	-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 acknowledgment.

3. Precautions for ESD:

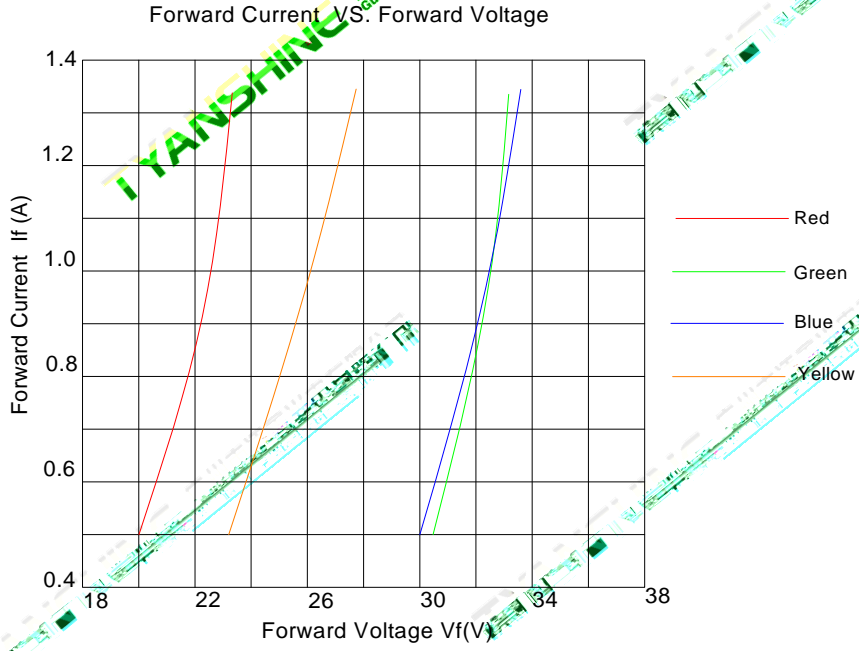
STATIC SHIELD Electricity and surge damages the LED. It is recommended to use a wrist band or anti-electrostatic glove when handling the LED. All devices, equipment and machinery must be properly grounded.

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Photo Co., Ltd

Luminous Flux	v	If=1.2A	R	1300	1600	1900	lm
			G	2200	2600	3000	
			B	480	550	620	
			Y	850	1000	1200	
Dominant Wavelength	d	If=1.2A	R	615	620	625	nm
			G	520	524	530	
			B	458	463	468	
			Y	588	593	598	
Peak-emission Wavelength	p	If=1.2A	R	625	630	635	nm
			G	515	519	523	
			B	453	458	463	
			Y	593	598	603	
Spectral Line Half-Width		If=1.2A	R	15	20	25	nm
			G	25	30	35	
			B	15	20	25	
			Y	25	30	35	
Forward Voltage	V <sub>f</sub>	If=1.2A	R	20	23	26	V
			G	30	33	36	
			B	30	33	36	
			Y	25	27	29	
Viewing Angle at 50° IV	2 1/2°	—	—	—	120	—	Deg
Thermal Resistance Junction to Case	R <sub>J-C</sub>	If=1.2A	—	—	0.2	—	K/W
Temperature Coefficient of Voltage	V F/T		—	—	-2	—	mV/

- 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.

(25 Ambient Temperature Unless Otherwise Noted)



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