

# TX-70100RGLAC1200FC120-NUVENG-01A

## PRODUCT SPECIFICATION

### Features:

High luminous output.

No UV.

Encapsulated materials are environmentally certified and meet environmental requirements.

### Chip Material:

Red: AlInGaP

Green: GaInN

Blue: GaN

Lemon light: GaN

PC Amber: GaN

Cyan: GaN

### Emitting Color:

Red R1/R2

Green G1/G2

Blue B1/B2

Lemon light L1/L2/L3/L4

PC Amber A1/A2/A3/A4

Cyan C1/C2

### Applications:

Stage lighting

Landscape Lighting

Entertainment lighting

Dimensions:

SHINE | 州市添露光电有限公司  
SHINE OPTICAL TECHNOLOGY CO., LTD. | 州市添露光电有限公司

-NUVENG-01A

Spec No.

### Absolute Maximum Ratings (Tc=25 )

Parameter	Symbol	Ratings	Unit
Forward Current	R1+R2	4.0	A
	G1+G2	5.0	
	B1+B2	5.0	
	L1+L2+L3+L4	7.2	
	A1+A2+B3+C4	7.2	
Reverse Voltage	C1+C2	4.4	V
	V <sub>R</sub>	Not designed for reverse operation	
Power rent			

**Notes:**

- Specifications are subject to change without notice.
- The data on this specification is for reference only and the actual data is in accordance with the acknowledgment.
- 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.



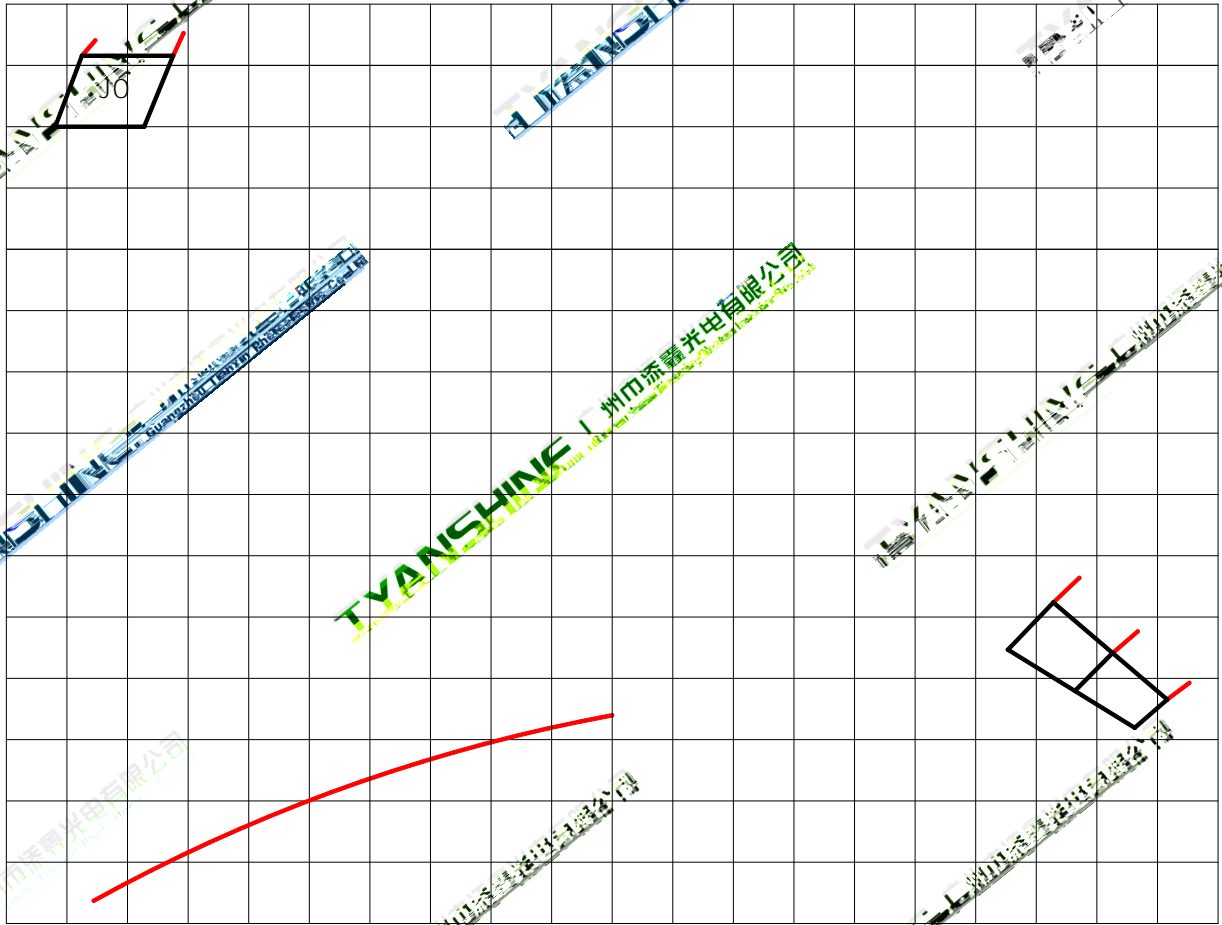
Temperature Coefficient of Voltage	V F/T	A1+A2+A3+A4	—	0.19	—	mV/
		C1+C2	—	0.38	—	
		Total thermal resistance	—	0.05	—	
		R1/R2	—	-23.8	—	
		G1/G2	—	-37.2	—	
		B1/B2	—	-17.5	—	
		L1/L2/L3/L4	—	-20.83	—	
A1/A2/A3/A4	—	-23.83	—			
C1/C2	—	-31.5	—			
Thermistor(NTC)	Rt25	—	—	10	—	K

**Notes:**

- 1.Luminous intensity is measured with a light sensor and filter 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.

# White light Color coordinate filing

(L1/L2/L3/L4 IF=1.3A; A1/A2/A3/A4 IF=1.3A; Tc=25 )



Grade	TC	P1		P2		P3		P4
		X1	Y1	X2	Y2	X3	Y3	

# Typical Electrical/Optical Characteristics Curves

(25 Ambient Temperature Unless Otherwise Noted)

