LEDGUHON
巨宏光电

PRODUCT SPECIFICATION

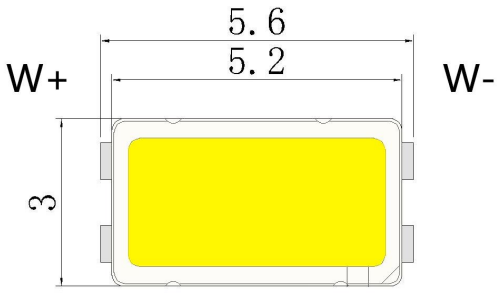
Part No. : JH-5630W12JC2240-T16A
High Power LED

Catalog

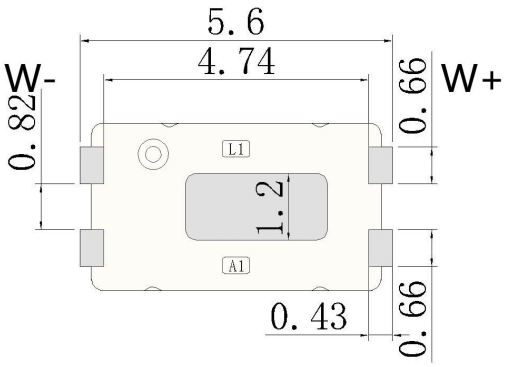
1.Product Features

- High Brightness White LED Plane Package
- Viewing Angle 120 Degree
- Chip Material: AlGaInP
- RoHS Compliant

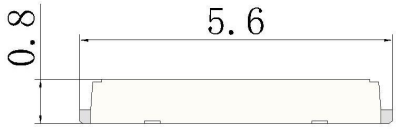
2.Dimensions



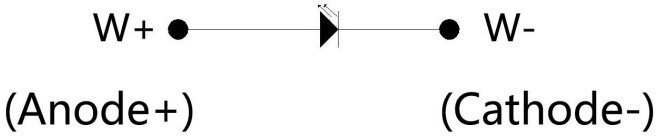
Top view



Bottom view



Side view



Circuit diagram

Notes:

1. All dimensions are in millimeters.

2. Tolerance is ±0.1mm unless otherwise noted.

3.Absolute Maximum Rating @ Ta=25° C

Parameter	Symbol	Maximum Rating	Unit
Continuous Forward Current	IF	150	mA
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	IFp	300	mA
Reverse Voltage	VR	5	V
Power Dissipation	PD	0.5	W
Electrostatic Discharge	ESD	1000	V
Operating Temperature Range	TOPR	-25°C to +60°C	
Storage Temperature Range	TSTG	-35°C to +80°C	
Lead Soldering Temperature	TSOL	260°C	

4.Optical Character @ Ta=25° C

Parameter	Symbol	Color	Min.	Typ.	Max.	Unit	Test Condition
Forward Voltage	VF	W	3.0	3.2	3.4	V	I_F=150mA
Luminous Flux	Φ	W	70	80	90	Lm	I_F=150mA
Color Temperature	Tc	W	6000	6500	7000	K	I_F=150mA
Reverse Current	IR		0		10	μA	V_R=5V
Viewing Angle	2θ1/2				120	deg	I_F=150mA
Recommend Forward Current	IF(rec)	W			150	mA	

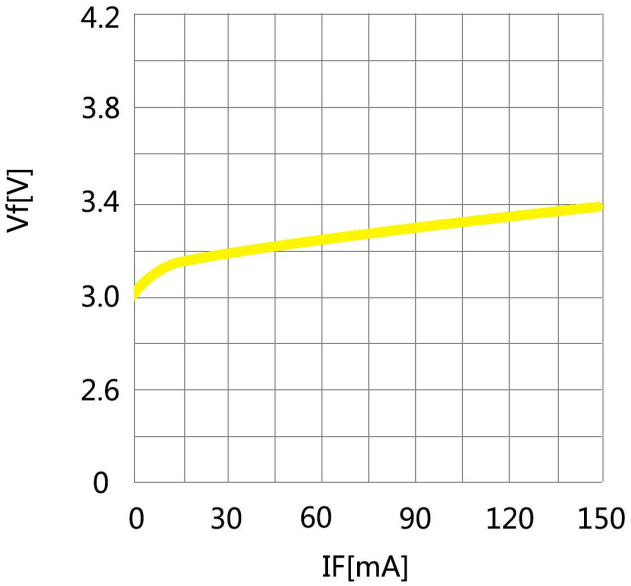
Notes:

Measurement tolerance of forward voltage±0.1V

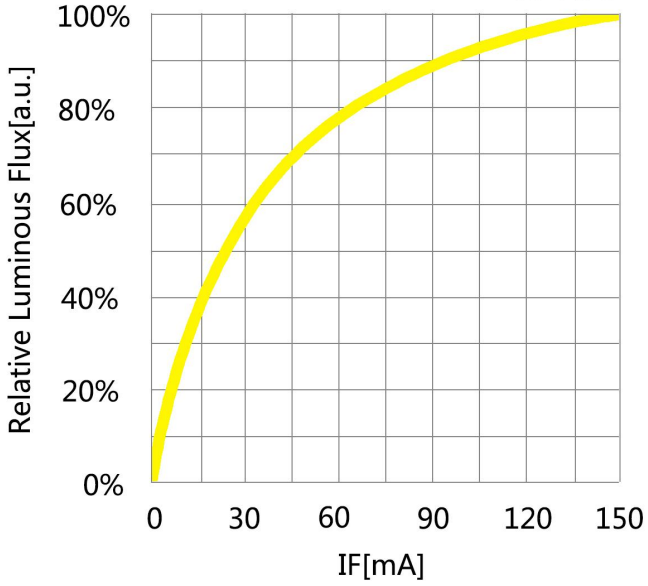
5. Optical Character Curves

(25 ° Ambient Temperature Unless Otherwise Noted)

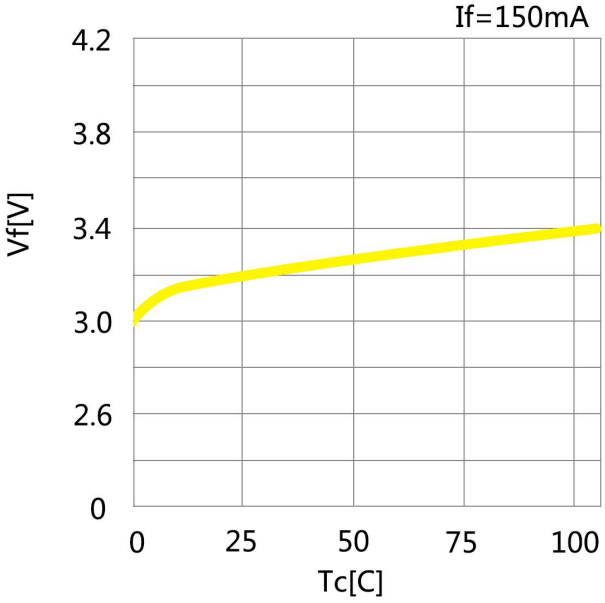
Forward Current vs. Forward Voltage



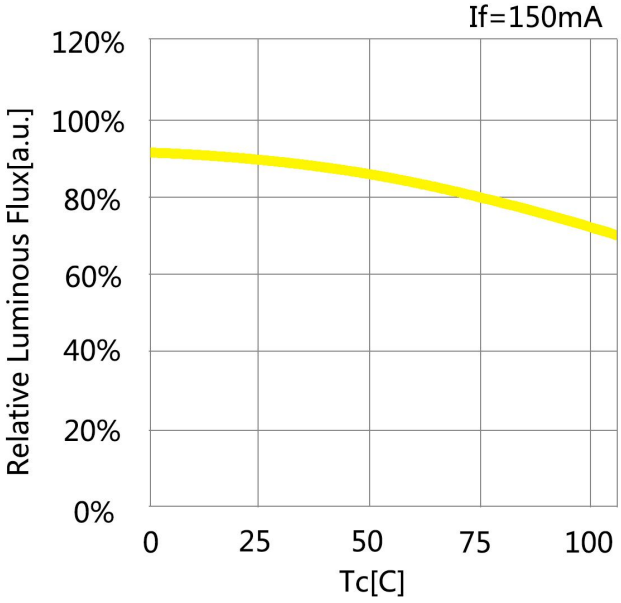
Forward Current vs. Relative Luminous Flux



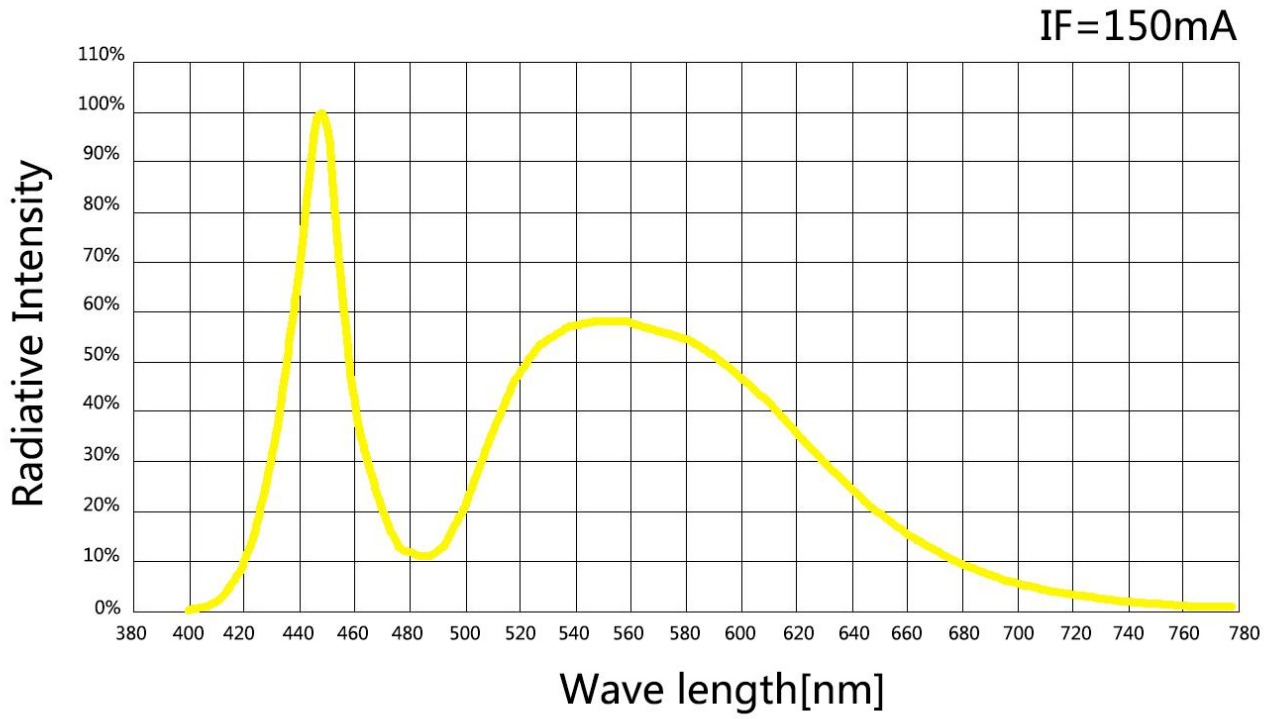
Case Temperature vs. Forward Voltage



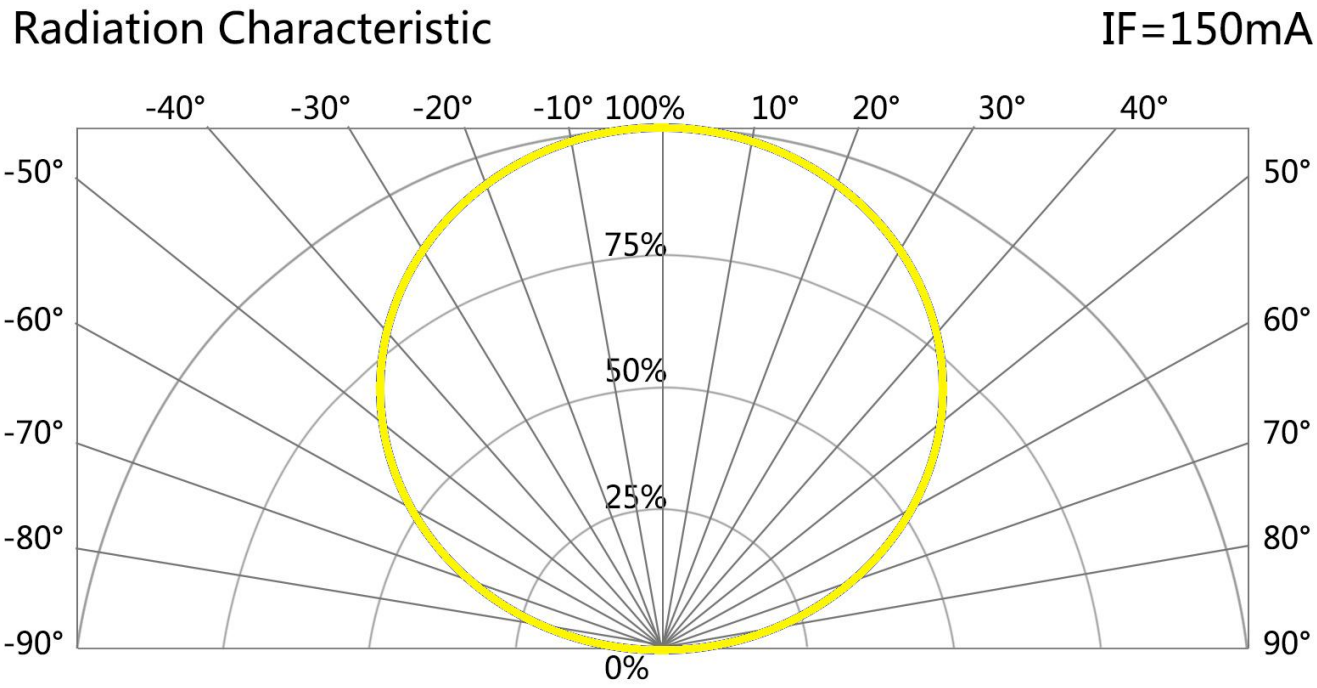
Case Temperature vs. Relative Luminous Flux



6. Spectrum Curves



7. Viewing Angle Curves



8.Cautions

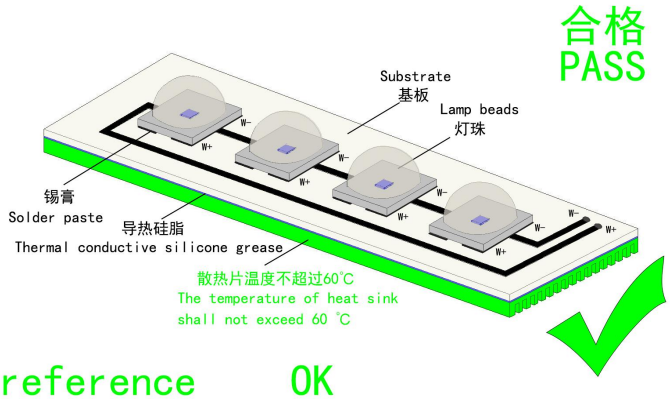
1. Electrostatic Treatment

Do a full range of anti-static measures (such as: anti-static ring, anti-static clothes, machine, equipment grounding wire, etc.)

2. Heat Dissipation

A、 It is recommend to configure reasonable heat dissipation device for the product.

B、 The best working temperature range of the product is 40-60°. It is recommended to control the working temperature of the product within a reasonable range.



3. Installation Conditions

reference OK

A、Do not exert any pressure on the LED area during the use of the led beads,such as below: