

PRODUCT SPECIFICATION



Part No. : JH-5630W12JC2240-T16A-1
High Power LED

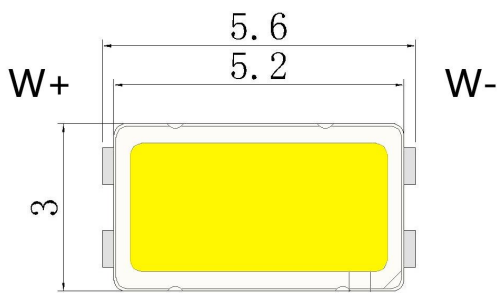
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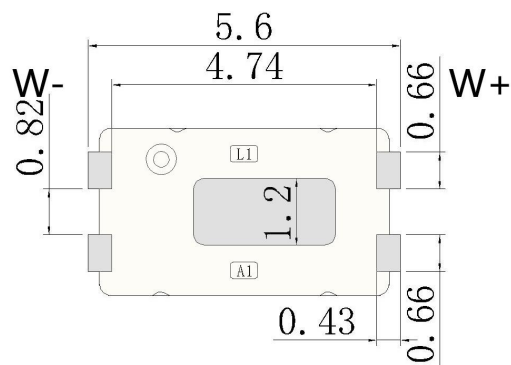
1.Product Features

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

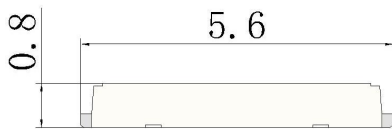
2.Dimensions



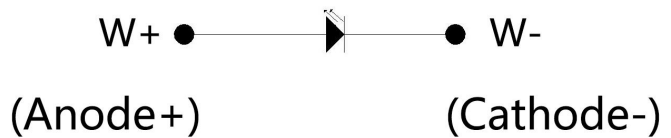
Top view



Bottom view



Side view



Circuit diagram

Notes:

1. All dimensions are in millimeters.
2. Tolerance is $\pm 0.1\text{mm}$ unless otherwise noted.

3. Absolute Maximum Rating @ Ta=25° C

Parameter	Symbol	Maximum Rating	Unit
Continuous Forward Current	IF	300	mA
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	IFp	500	mA
Reverse Voltage	VR	5	V
Power Dissipation	PD	1	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

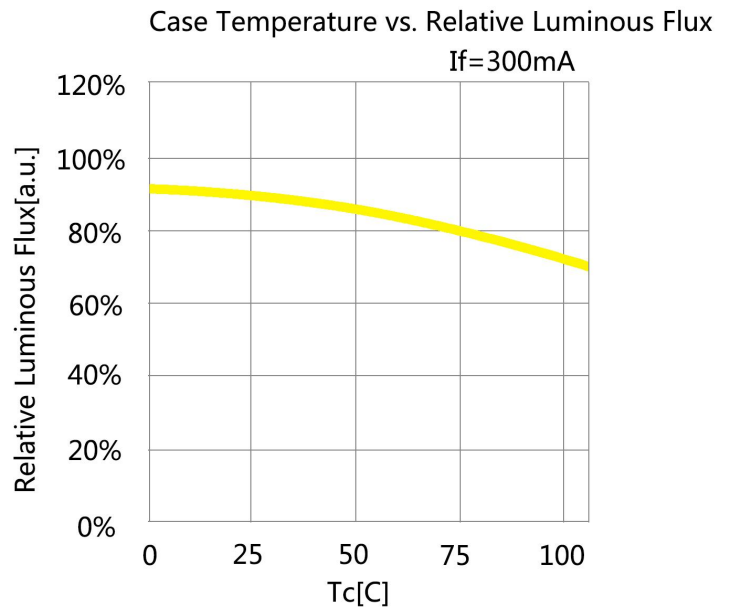
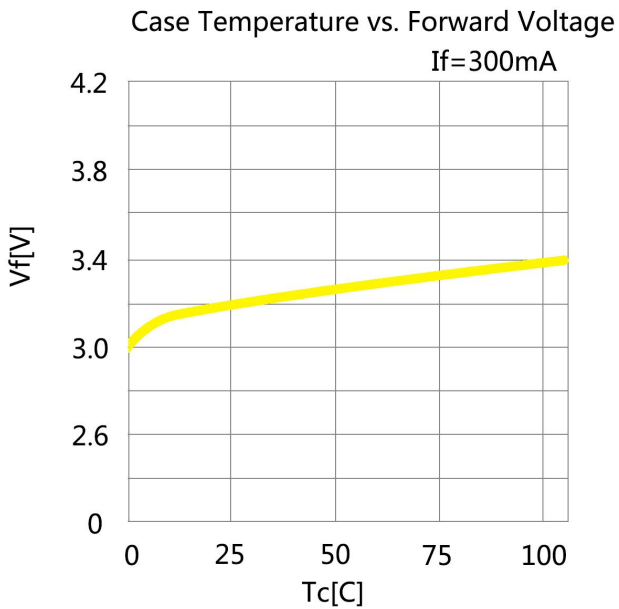
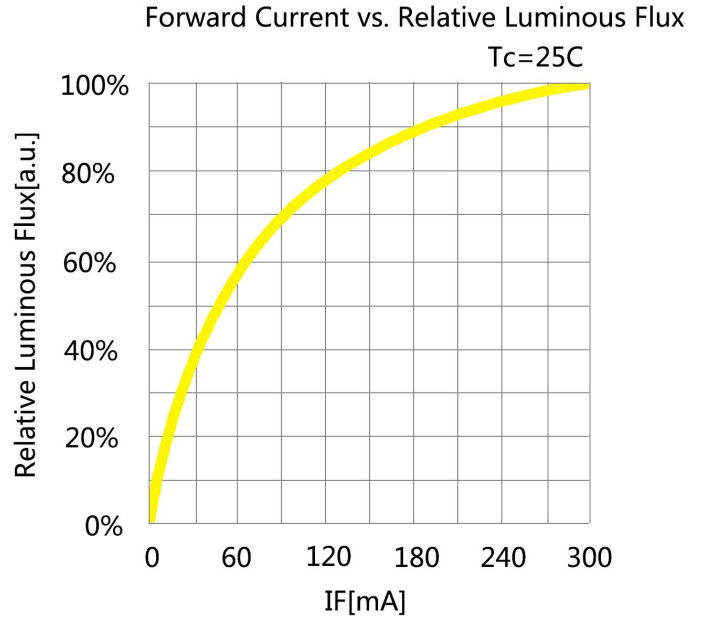
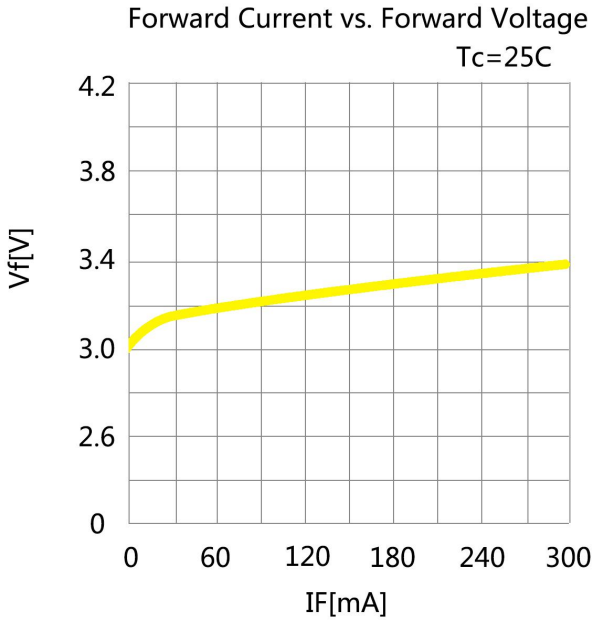
Parameter	Symbol	Color	Min.	Typ.	Max.	Unit	Test Condition
Forward Voltage	VF	W	3.0	3.2	3.4	V	IF=300mA
Luminous Flux	Φ	W	170	180	190	Lm	IF=300mA
Color Temperature	Tc	W	4000	4500	5000	K	IF=300mA
Reverse Current	IR		0		10	μA	VR=5V
Viewing Angle	2θ1/2				120	deg	IF=300mA
Recommend Forward Current	IF(rec)	W			300	mA	

Notes:

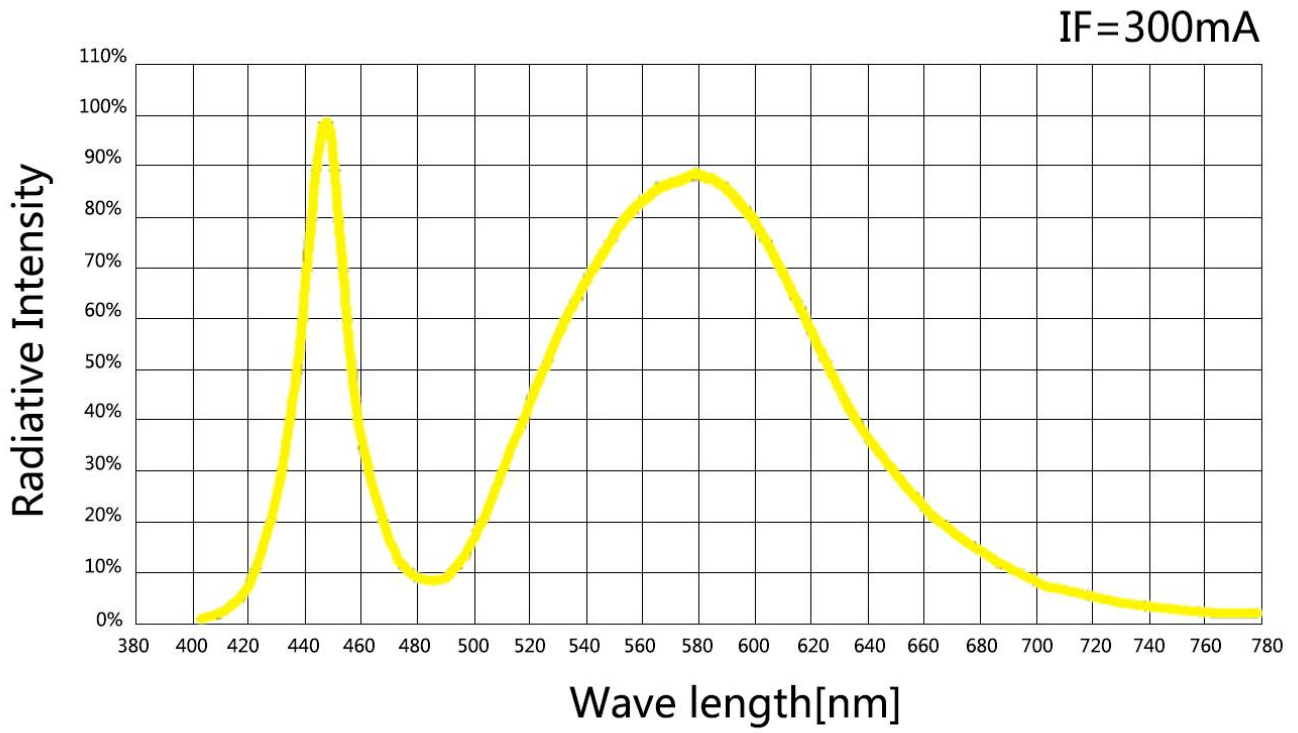
Measurement tolerance of forward voltage ±0.1V

5. Optical Character Curves

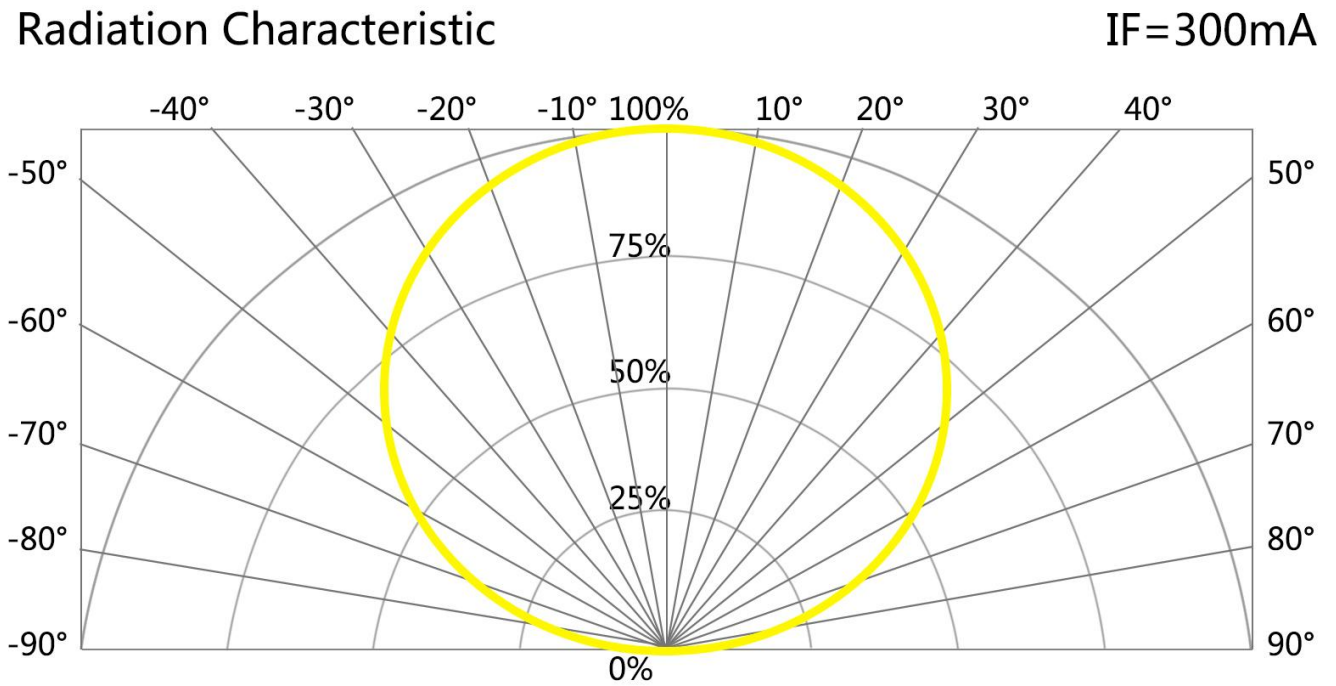
(25 ° Ambient Temperature Unless Otherwise Noted)



6. Spectrum Curves



7. Viewing Angle Curves



8.Cautions

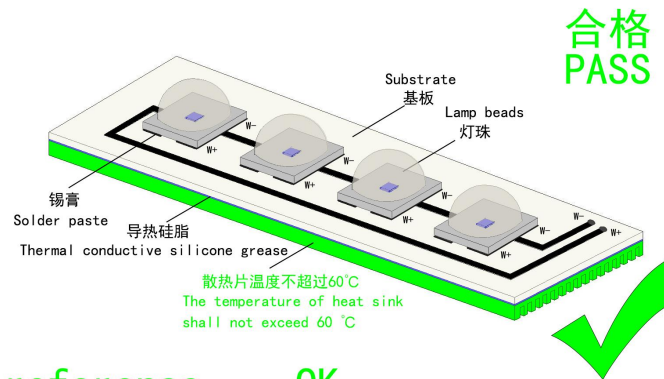
1. Electrostatic Treatment

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:

