LEDGUHON
巨宏光电

PRODUCT SPECIFICATION

Part No. : JH-5630WW12JC2240-T16A-1

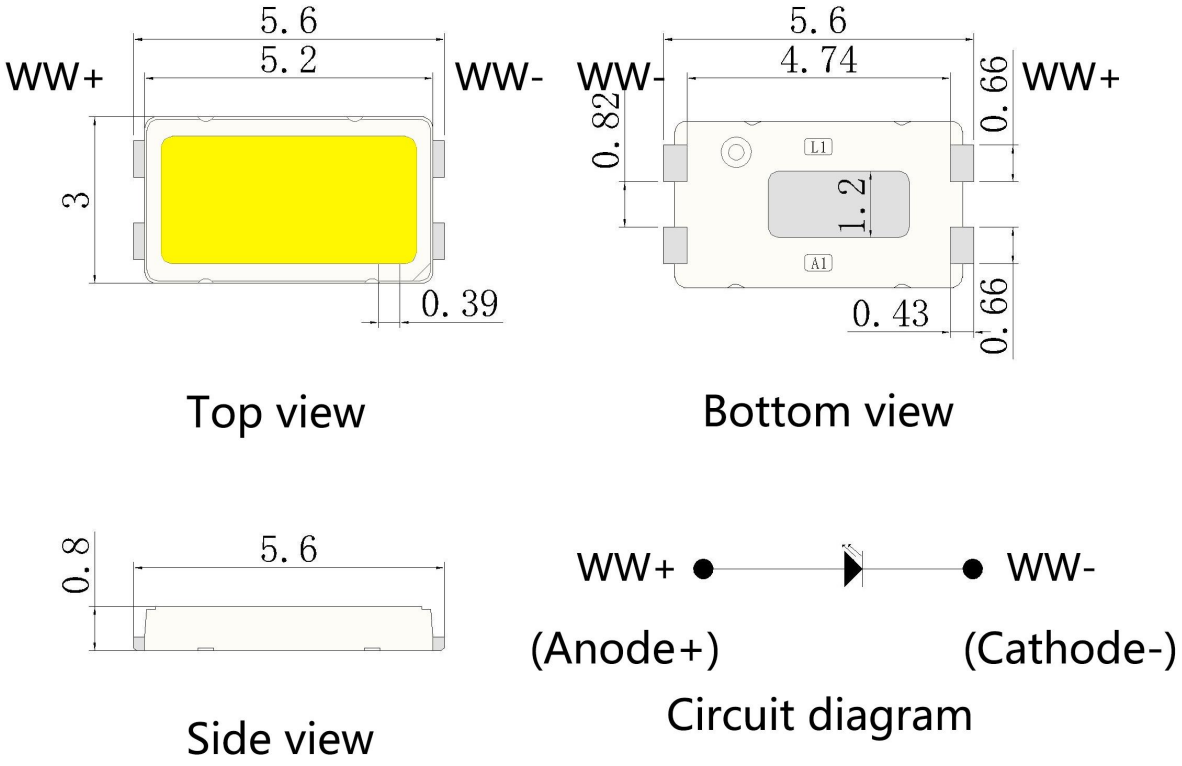
High Power LED

Catalog

1.Product Features

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

2.Dimensions



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	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

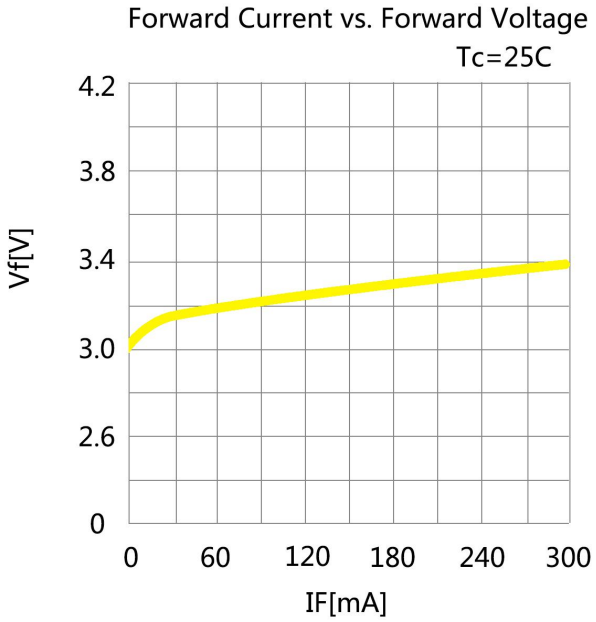
Parameter	Symbol	Color	Min.	Typ.	Max.	Unit	Test Condition
Forward Voltage	VF	WW	3.0	3.2	3.4	V	I_F=300mA
Luminous Flux	Φ	WW	170	180	190	Lm	I_F=300mA
Color Temperature	Tc	WW	2800	3000	3200	K	I_F=300mA
Reverse Current	IR		0		10	μA	V_R=5V
Viewing Angle	2θ1/2				120	deg	I_F=300mA
Recommend Forward Current	IF(rec)	WW			300	mA	

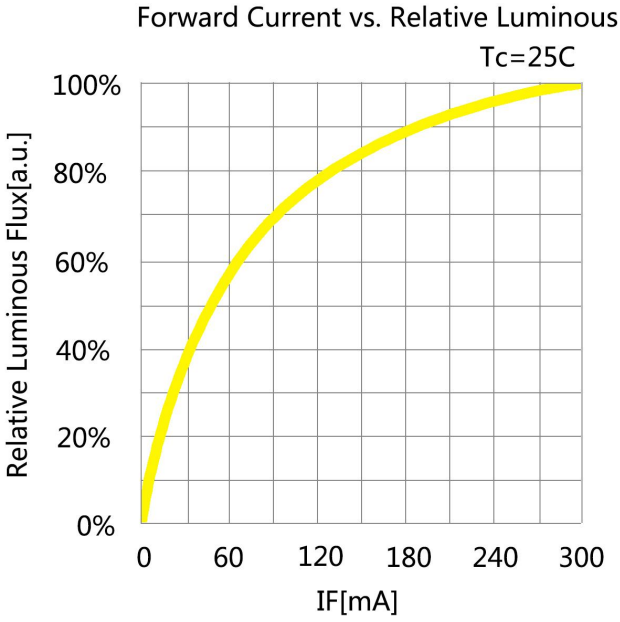
Notes:

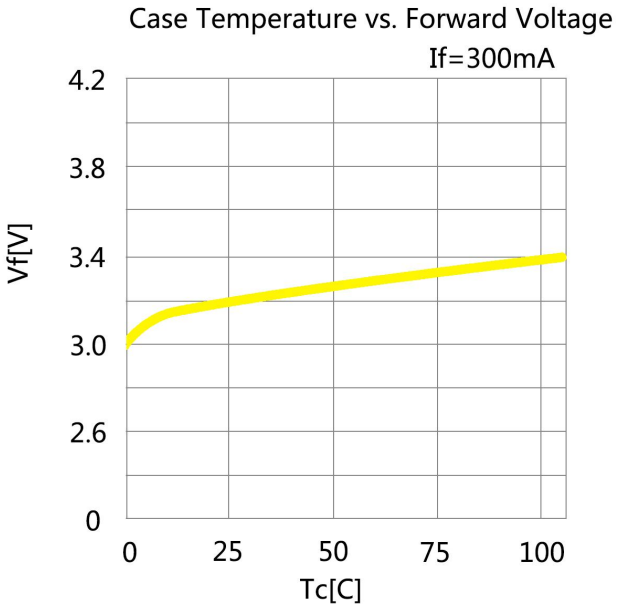
Measurement tolerance of forward voltage±0.1V

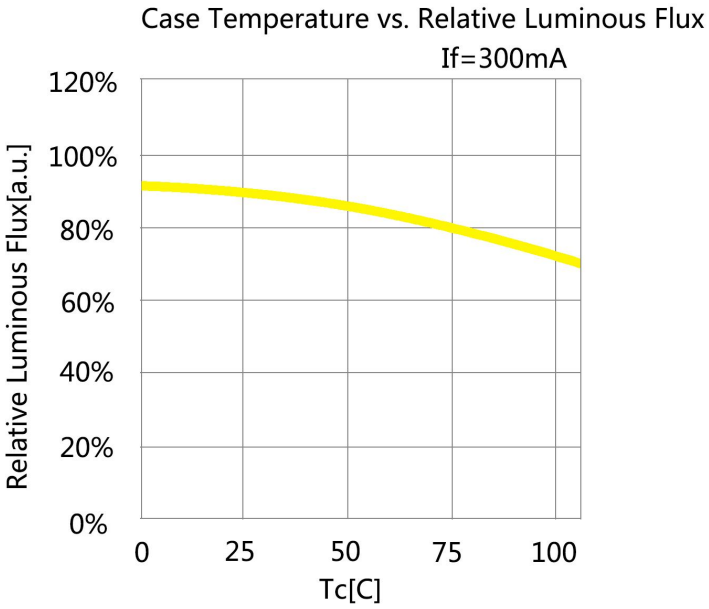
5. Optical Character Curves

(25 ° Ambient Temperature Unless Otherwise Noted)

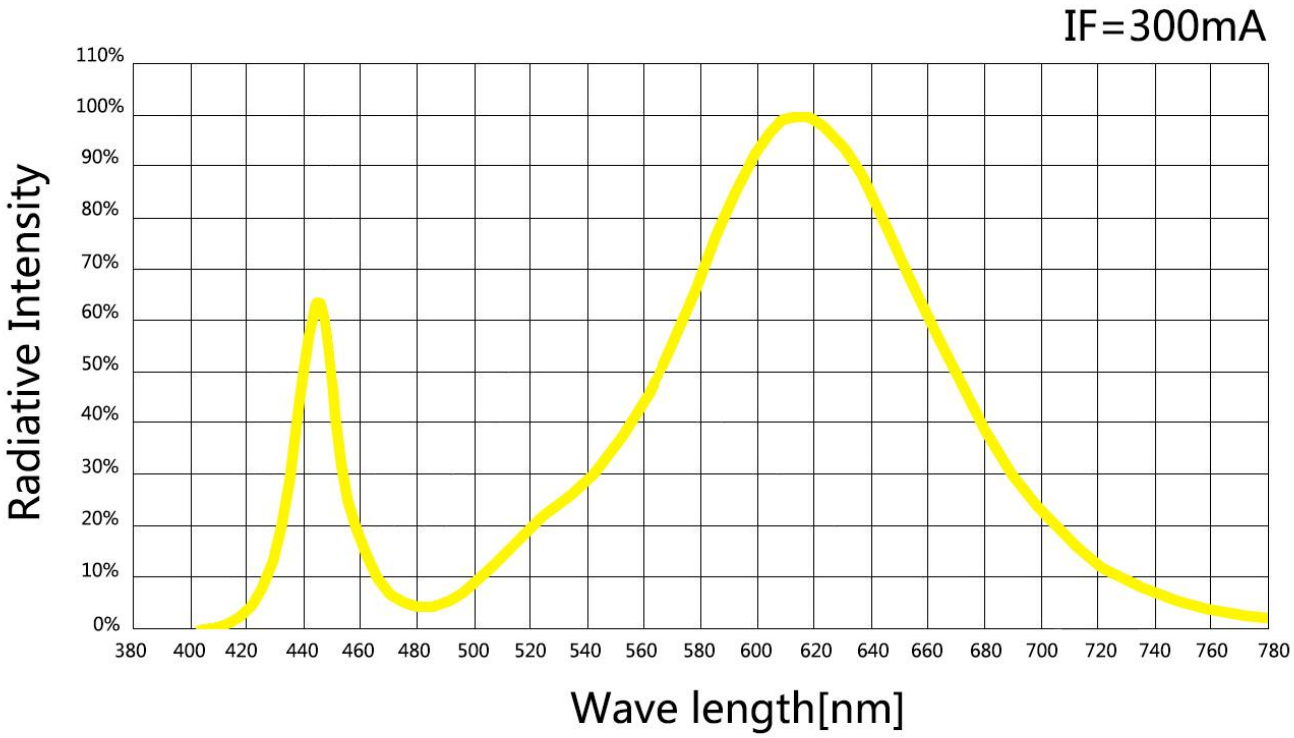




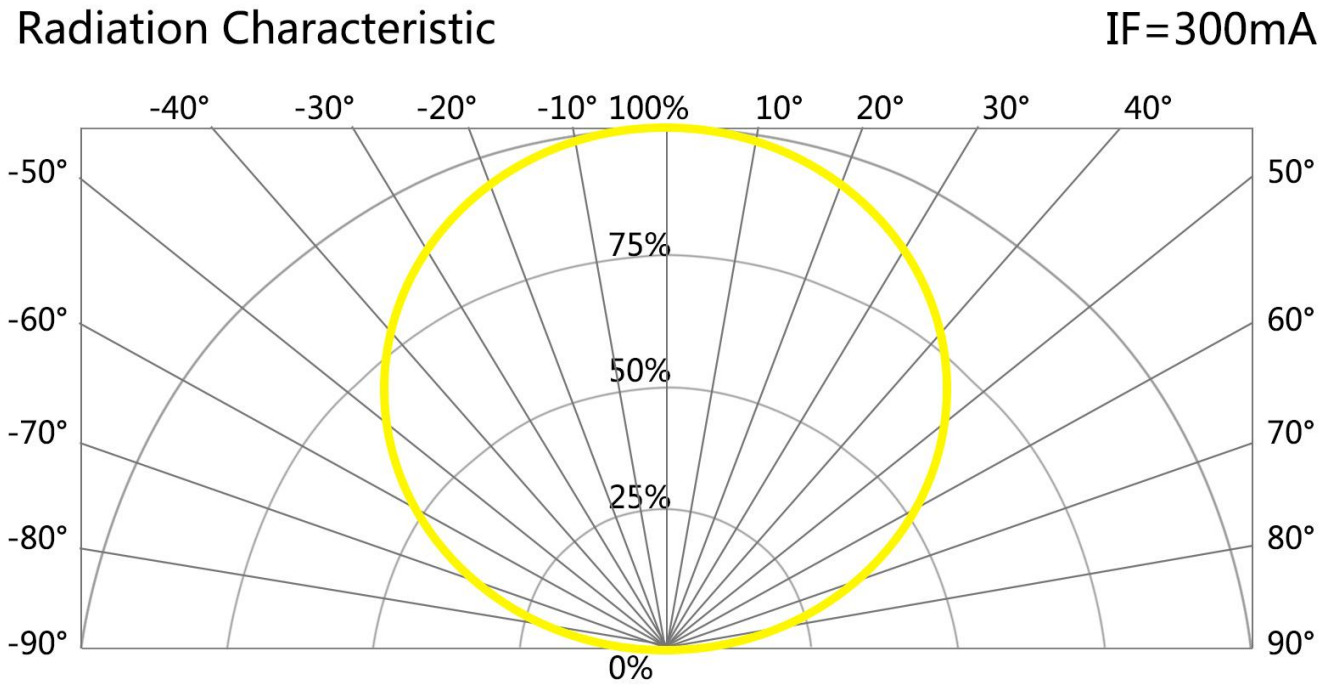




6. Spectrum Curves



7. Viewing Angle Curves



8.Cautions

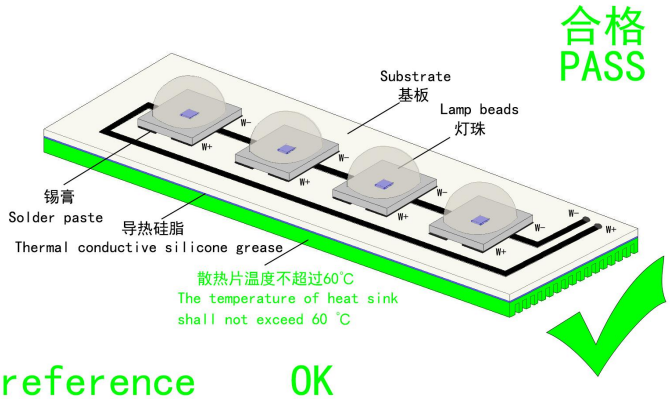
1. Electrostatic Treatment

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: