

# PRODUCT SPECIFICATION



**Part No. : JH-3030W12S35-T8A**  
**High Power LED**

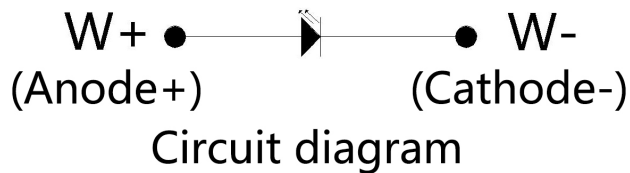
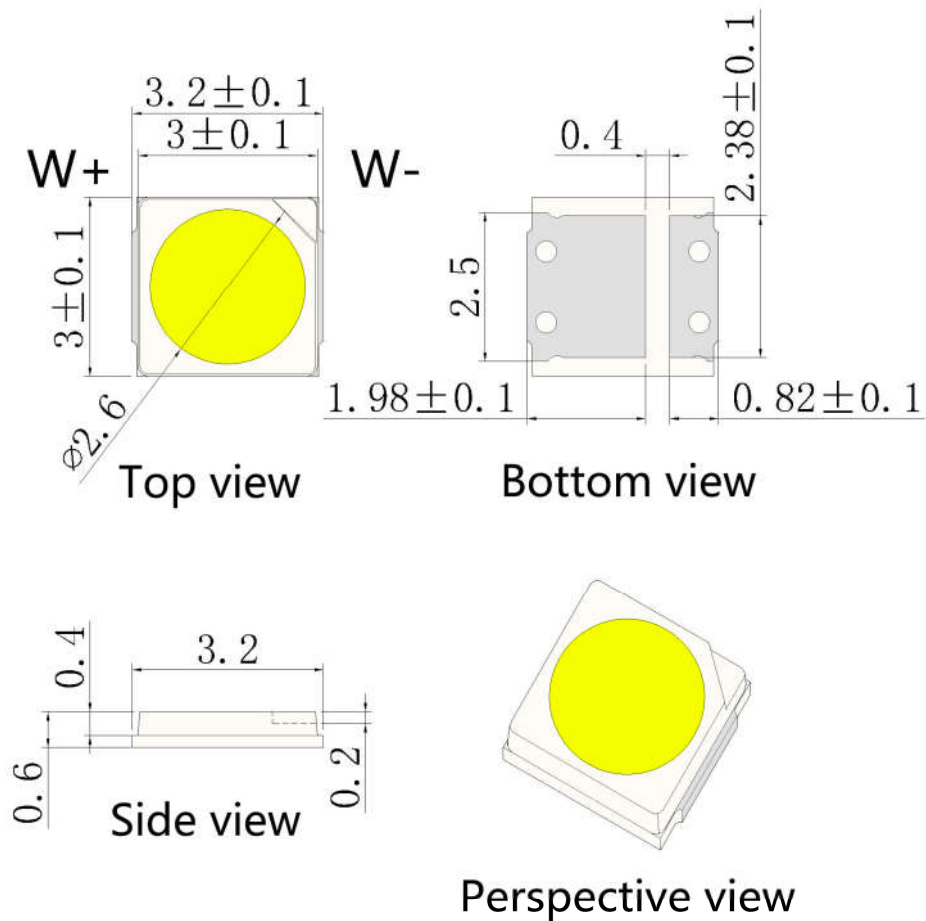
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# 1.Product Features

- High Brightness white LED
- Round Package
- Viewing Angle 120 Degree
- Chip Material: InGaN
- RoHS Compliant

# 2.Dimensions



### Notes:

1. All dimensions are in millimeters.
2. Tolerance is  $\pm 0.1$ mm 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	360°C	

### 4. 光学特征 @ Ta=25°C / Optical Character @ Ta=25° C

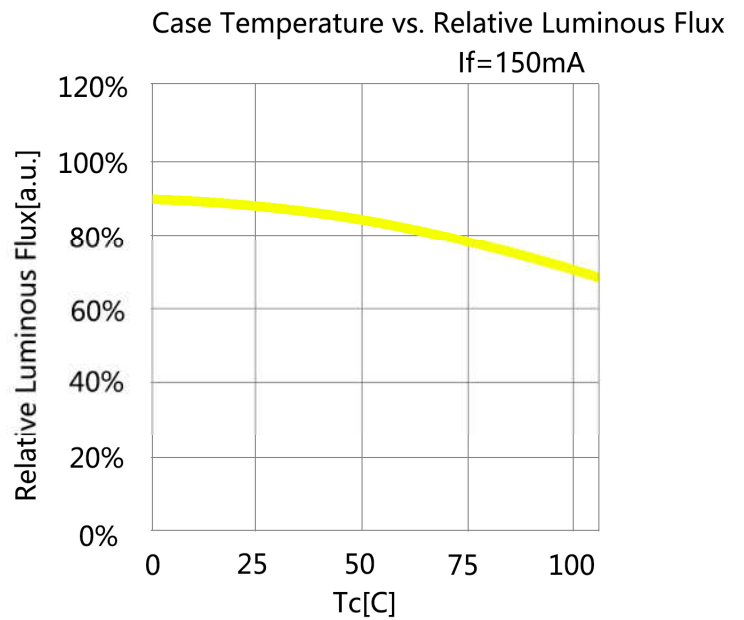
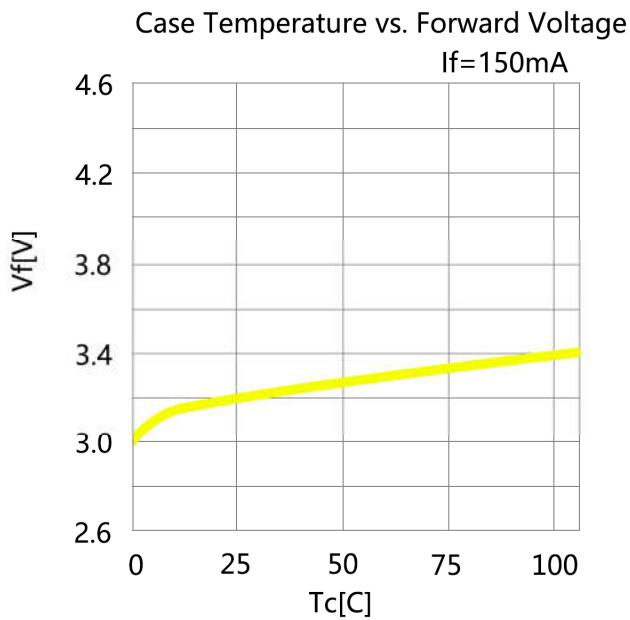
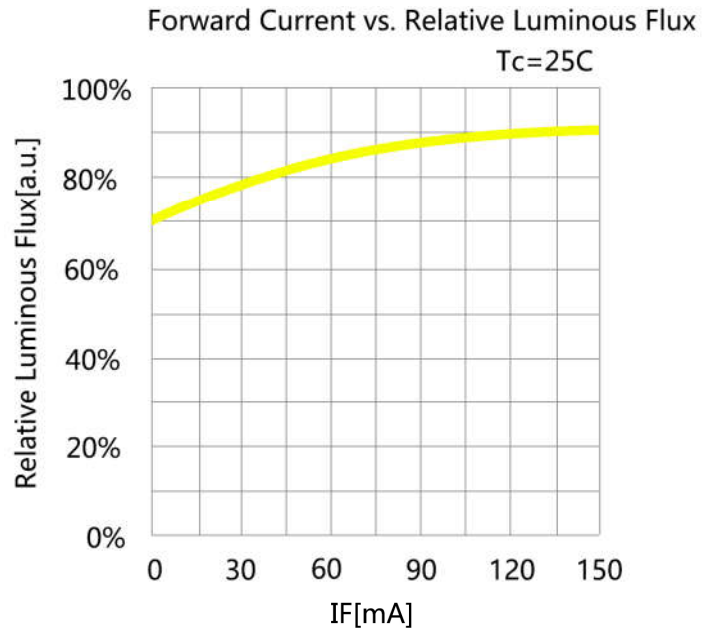
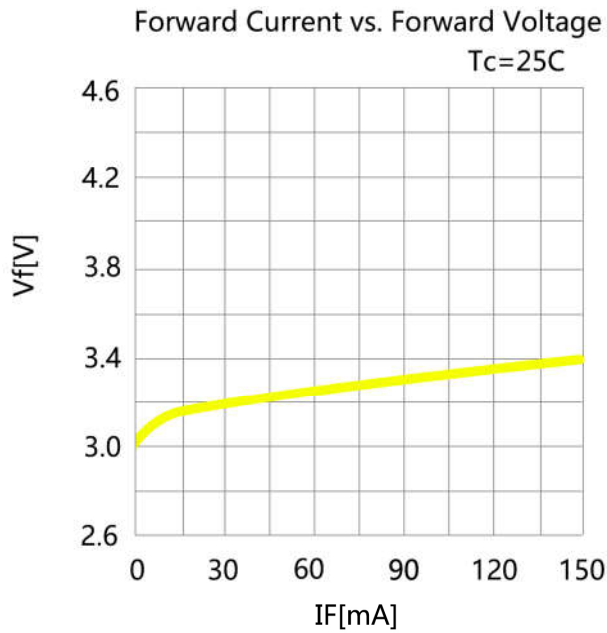
Parameter	Symbol	Color	Min.	Typ.	Max.	Unit	Test Condition
Forward Voltage	VF	W	3.0	3.2	3.4	V	IF=150mA
Luminous Flux	Φ	W	40	45	50	LM	IF=150mA
Chromaticity Coordinates	x			0.39		\	IF=150mA
	y			0.39		\	IF=150mA
Color Temperature	Tc	W	3500	3750	4000	K	IF=150mA
Reverse Current	IR		0		10	μA	VR=5V
Viewing Angle	2θ1/2			120		deg	IF=150mA
Recommend Forward Current	IF(rec)	W			150	mA	

#### Notes:

Measurement tolerance of forward voltage±0.1V

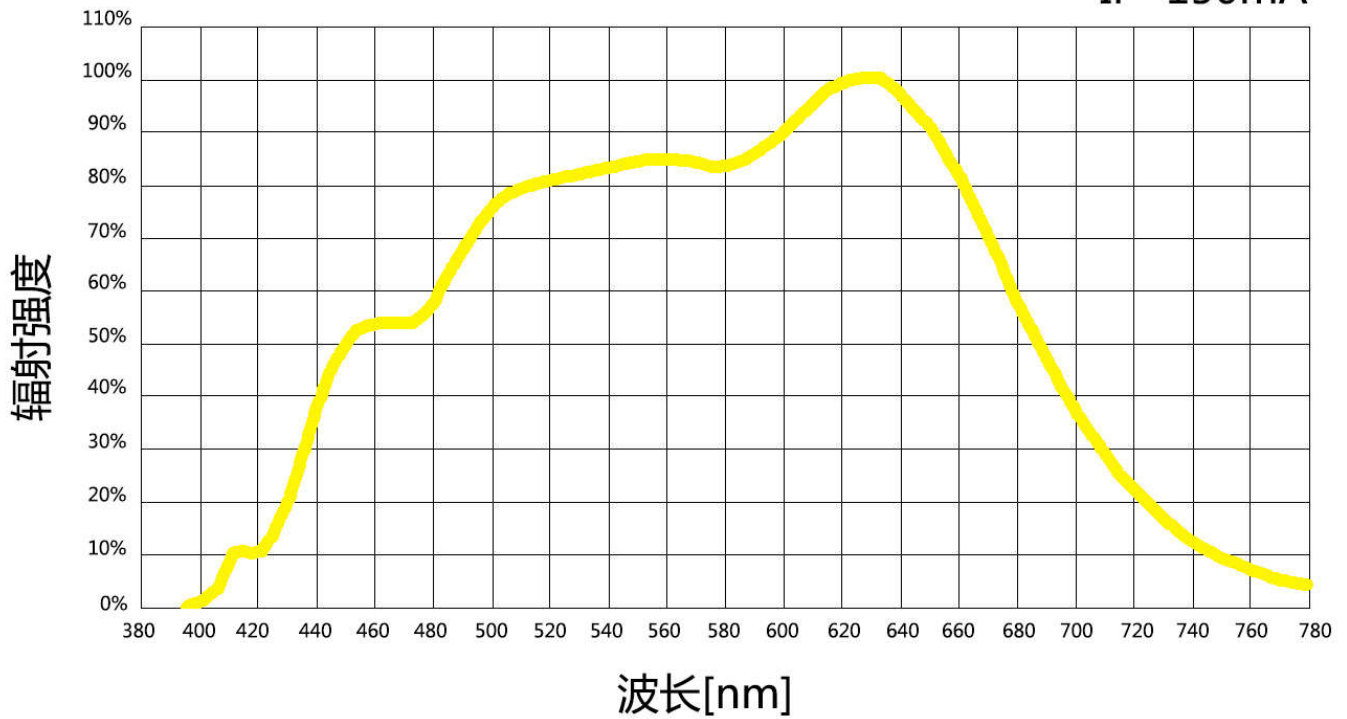
## 5. Optical Character Curves

( 25 ° Ambient Temperature Unless Otherwise Noted )



## 6. Spectrum Curves

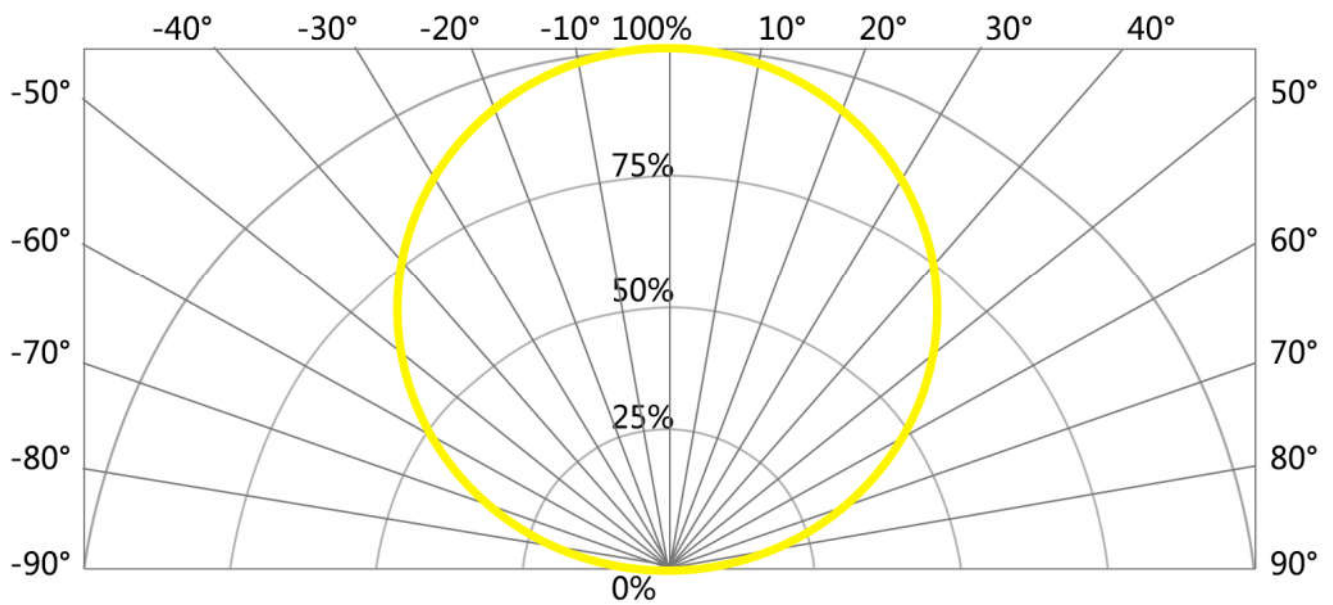
IF=150mA



## 7. Viewing Angle Curves

Radiation Characteristic

IF=150mA



## 8.Cautions

### 1. Electrostatic Treatment

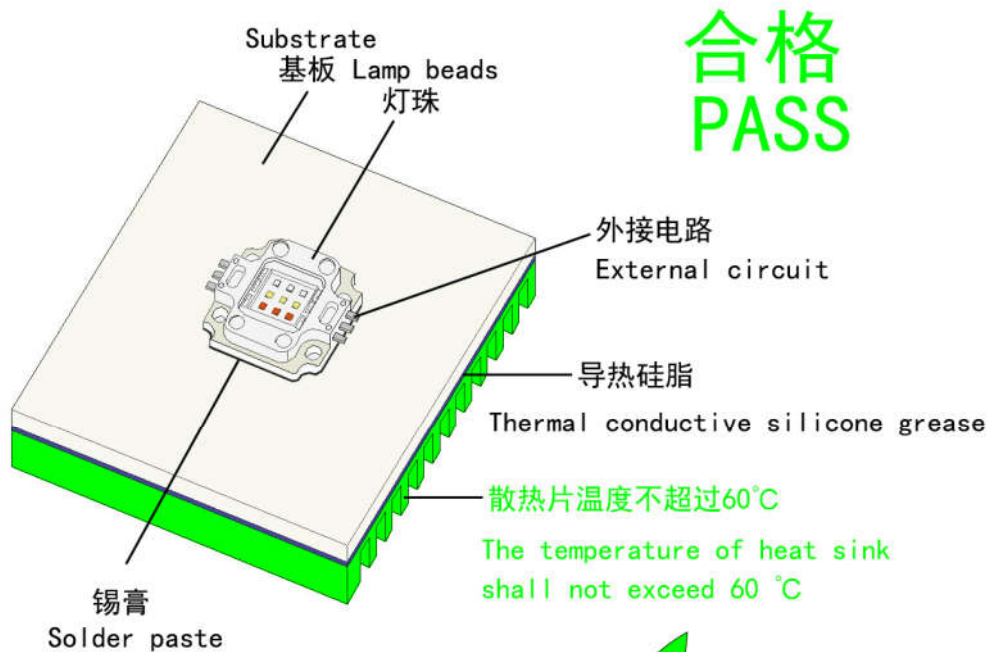
Do a full range of anti-static measures (such as: anti-static ring, anti-static clothes, machine, equipment grounding wire, etc.)



### 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.



合格  
PASS

OK

