

PRODUCT SPECIFICATION



Part No. : JH-84WWW14JC1530-J8C-90
High Power LED

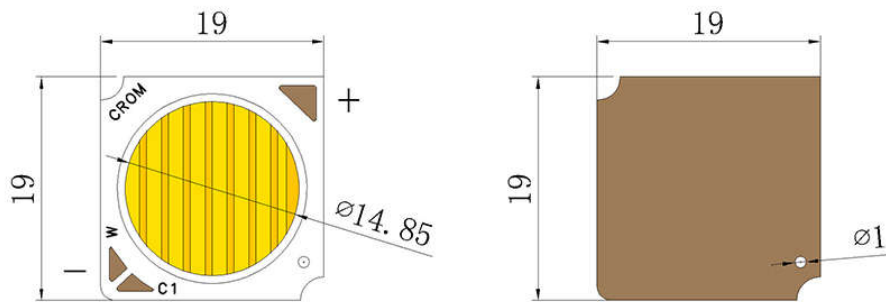
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1.Product Features

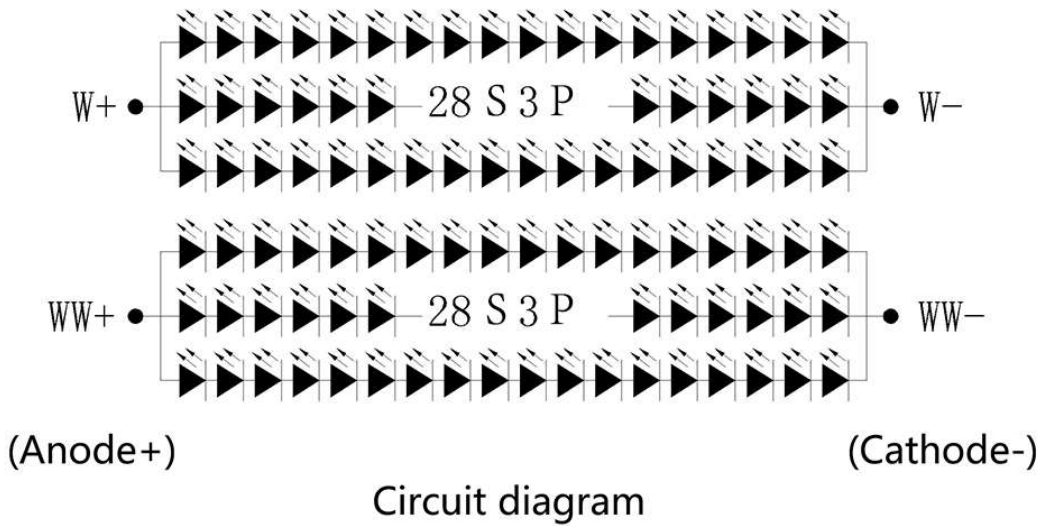
- High Brightness W/WW LED
- Plane Package
- Viewing Angle 140 Degree
- Chip Material: InGaN
- RoHS Compliant

2.Dimensions



Top view

Bottom view



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	450	mA
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	IFp	600	mA
Reverse Voltage	VR	90	V
Power Dissipation	PD	84	W
Electrostatic Discharge	ESD	1000	V
Operating Temperature Range	TOPR	-25°C to +80°C	
Storage Temperature Range	TSTG	-35°C to +100°C	
Lead Soldering Temperature	TSOL	260°C	

4. Optical Character @ Ta=25° C

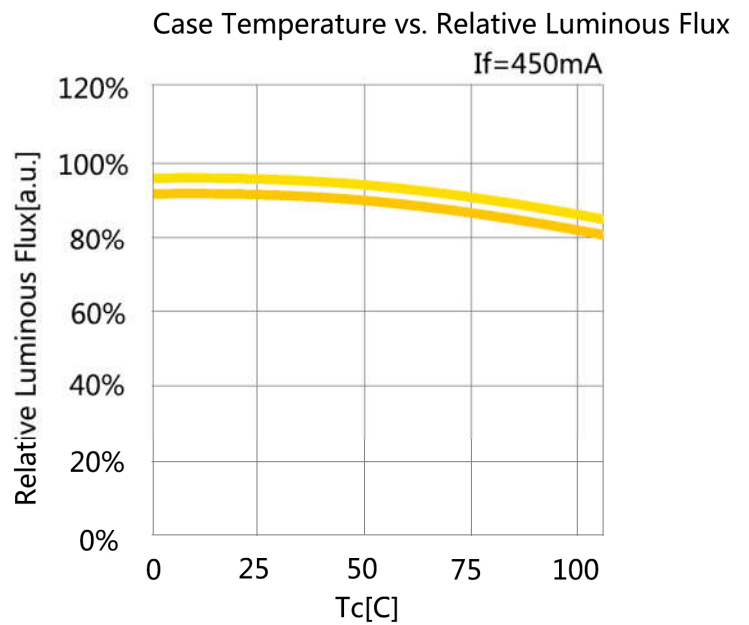
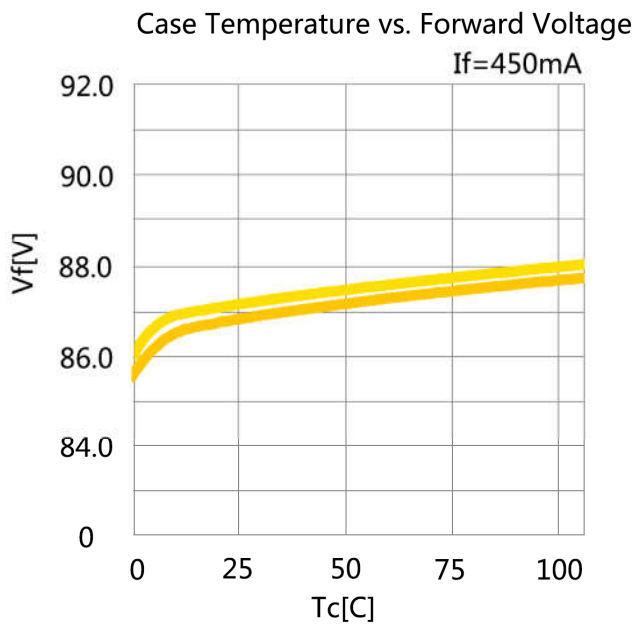
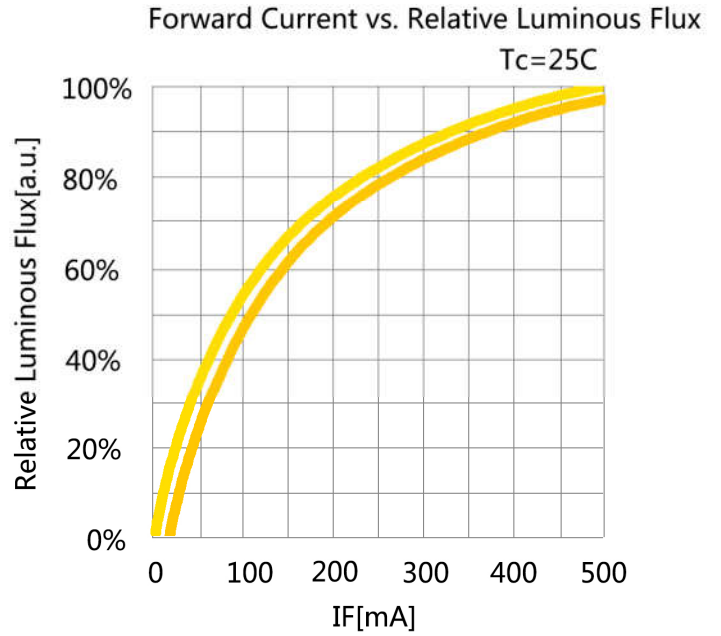
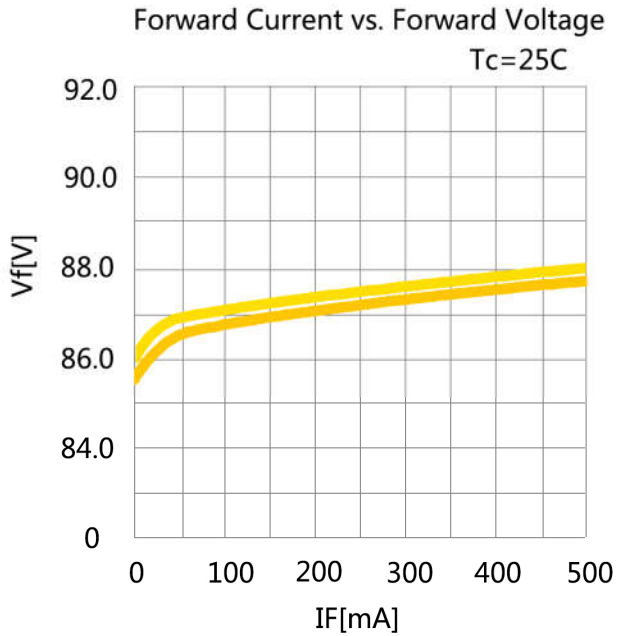
参数	符号	颜色	最小值	平均值	最大值	单元	测试条件
Forward Voltage	VF	W	86	87	88	V	IF=450mA
		WW	86	87	88	V	IF=450mA
Luminous Flux	Φ	W	3400	3500	3600	Lm	IF=450mA
		WW	3000	3100	3200	Lm	IF=450mA
Color Temperature	Tc	W	6500	7000	7500	K	IF=450mA
		WW	2800	2900	3000	K	IF=450mA
Reverse Current	IR		0		10	μA	VR=90V
Display index	Ra	W/WW	90			/	IF=450mA
Viewing Angle	2θ1/2				140	deg	IF=450mA
Recommend Forward Current	IF(rec)	W/WW			450	mA	

Notes:

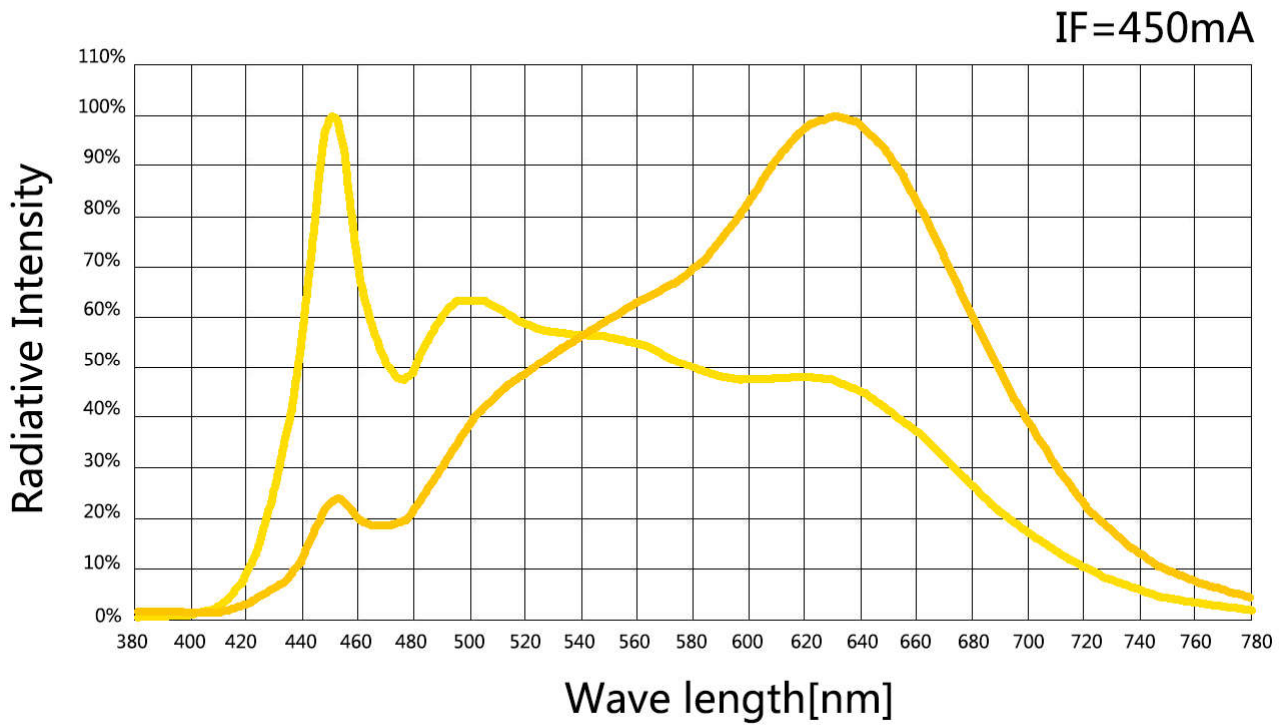
Measurement tolerance of forward voltage±0.1V

5. Optical Character Curves

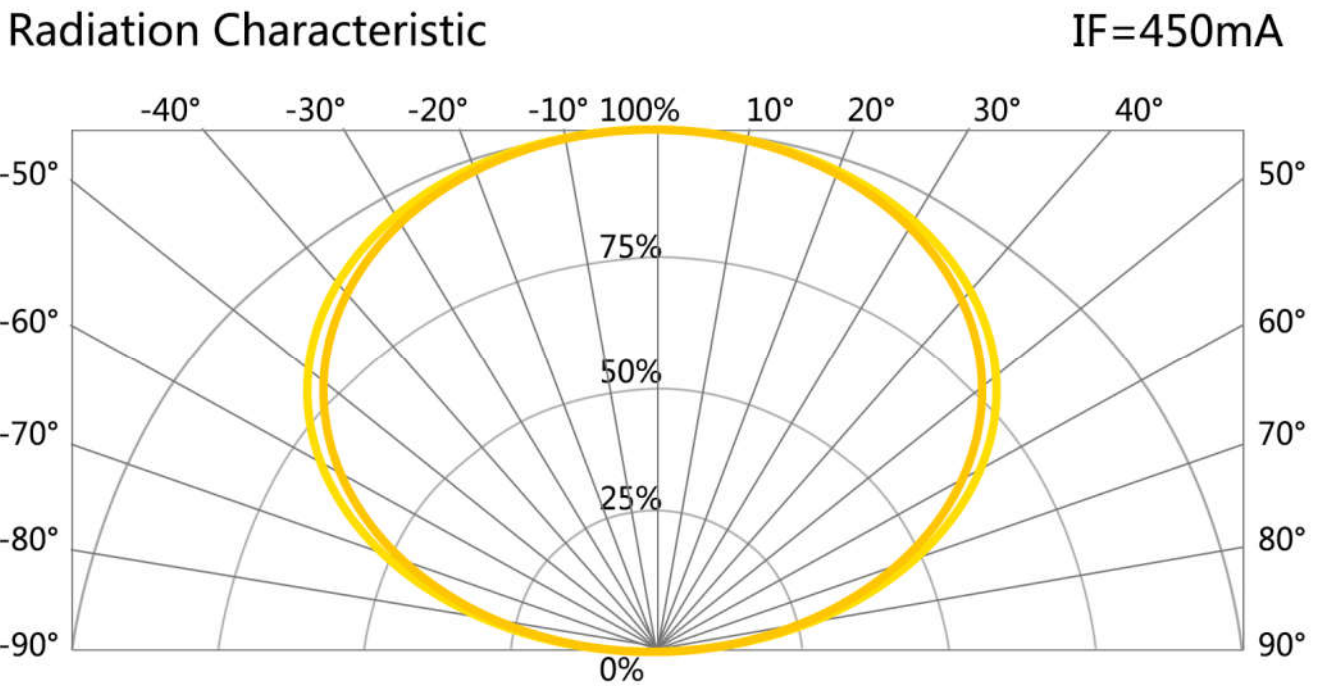
(25 ° Ambient Temperature Unless Otherwise Noted)



6. Spectrum Curves



7. Viewing Angle Curves



8.Cautions

1. Electrostatic Treatment

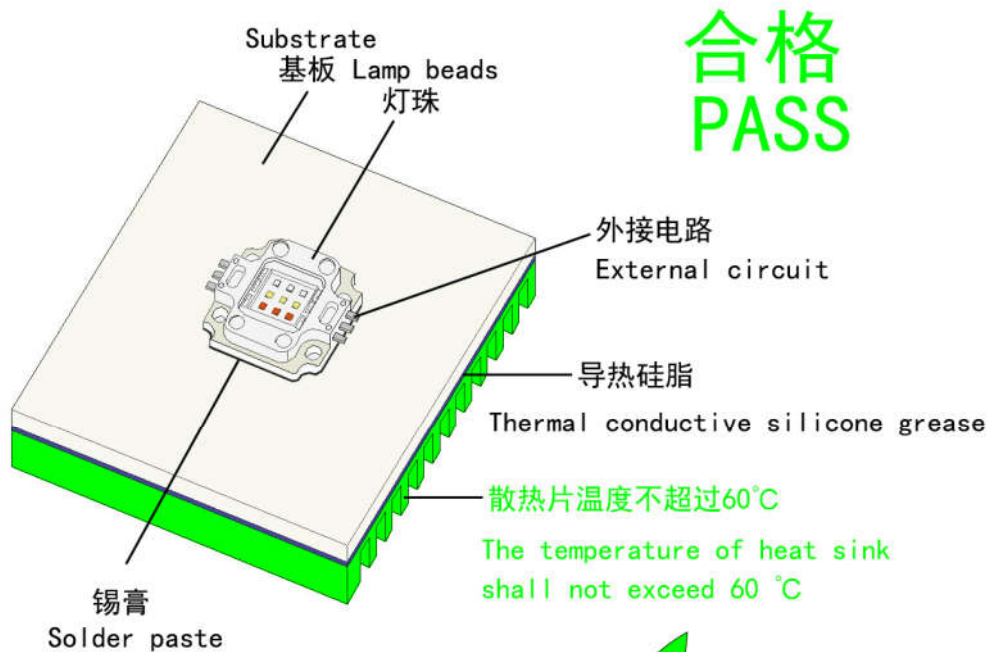
Do a full range of anti-static measures (such as: anti-static ring, anti-static clothes, machine, equipment grounding wire, etc.)



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.



合格
PASS

OK

