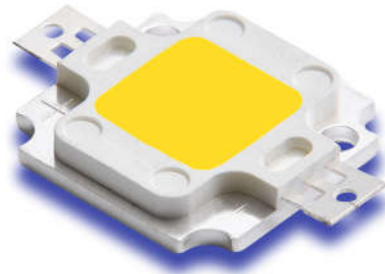


# PRODUCT SPECIFICATION



**Part No. : JH-10WW14P45-R1C**  
**High Power LED**

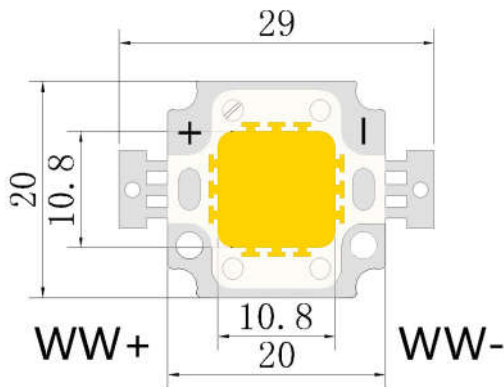
## Catalog

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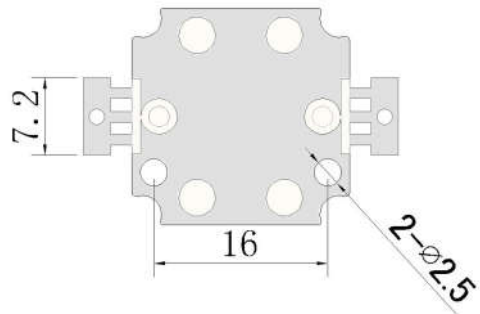
# 1.Product Features

- High Brightness Warm white
- LED Plane Package
- Viewing Angle 140 Degree
- Chip Material: InGaN
- RoHS Compliant

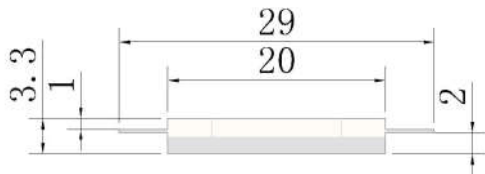
# 2.Dimensions



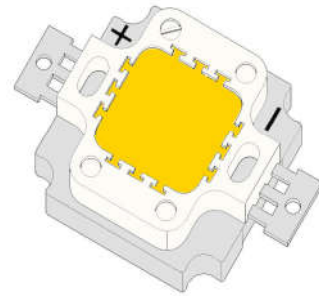
Top view



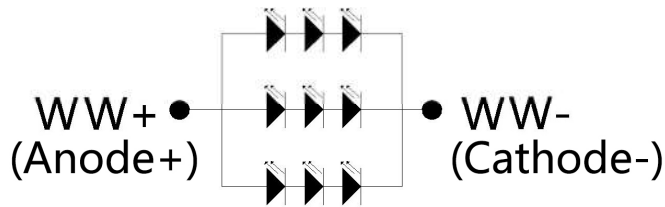
Bottom view



Side view



Perspective 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	1050	mA
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	IFp	1200	mA
Reverse Voltage	VR	15	V
Power Dissipation	PD	10	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

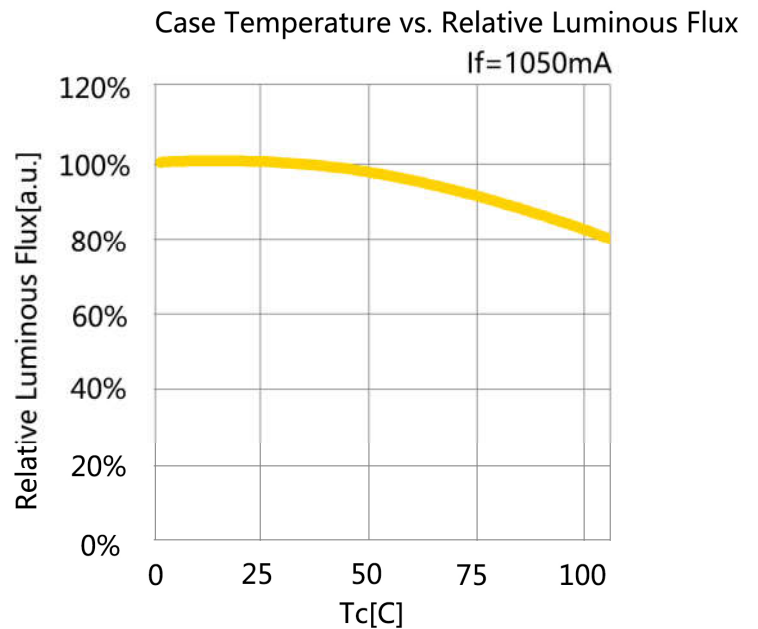
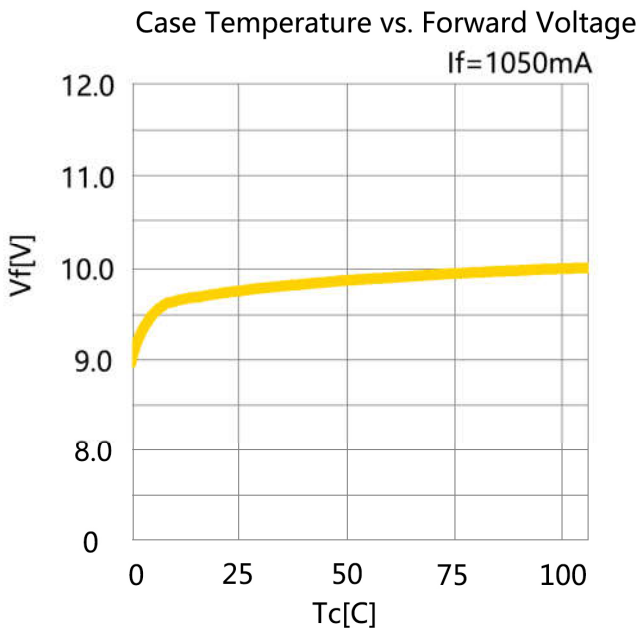
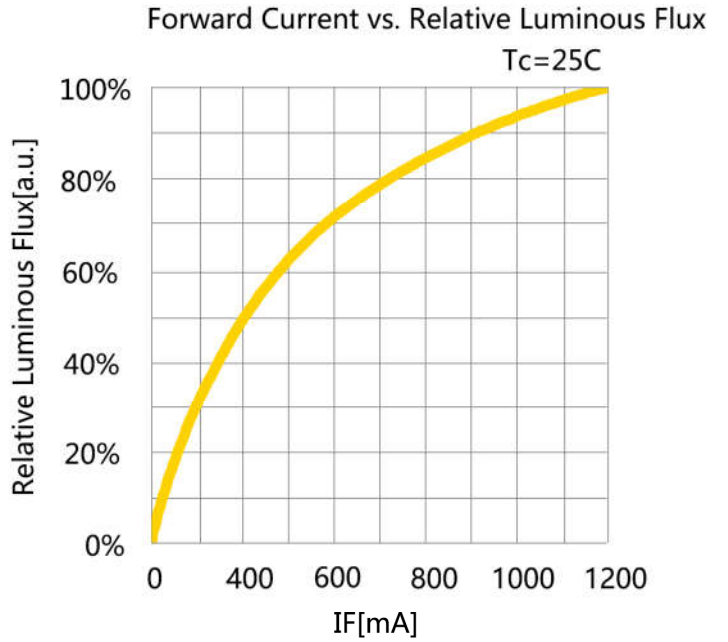
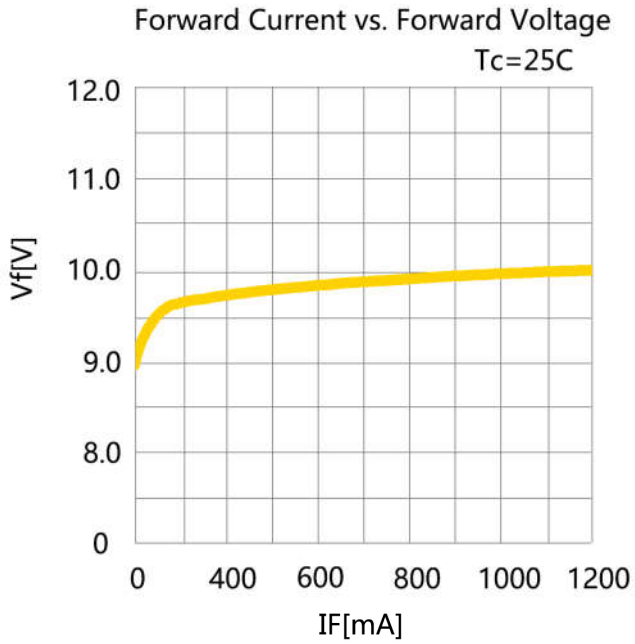
Parameter	Symbol	Color	Min.	Typ.	Max.	Unit	Test Condition
Forward Voltage	VF	WW	9	9.5	10	V	IF=1050mA
Luminous Flux	Φ	WW	900	1000	1100	Lm	IF=1050mA
Chromaticity Coordinates	x			0.46		\	IF=1050mA
	y			0.44		\	IF=1050mA
Color Temperature	Tc	WW	2800	3000	3200	K	IF=1050mA
Reverse Current	IR		0		10	μA	VR=15V
Viewing Angle	2θ1/2				140	deg	IF=1050mA
Recommend Forward Current	IF(rec)	WW			1050	mA	

#### Notes:

Measurement tolerance of forward voltage ±0.1V

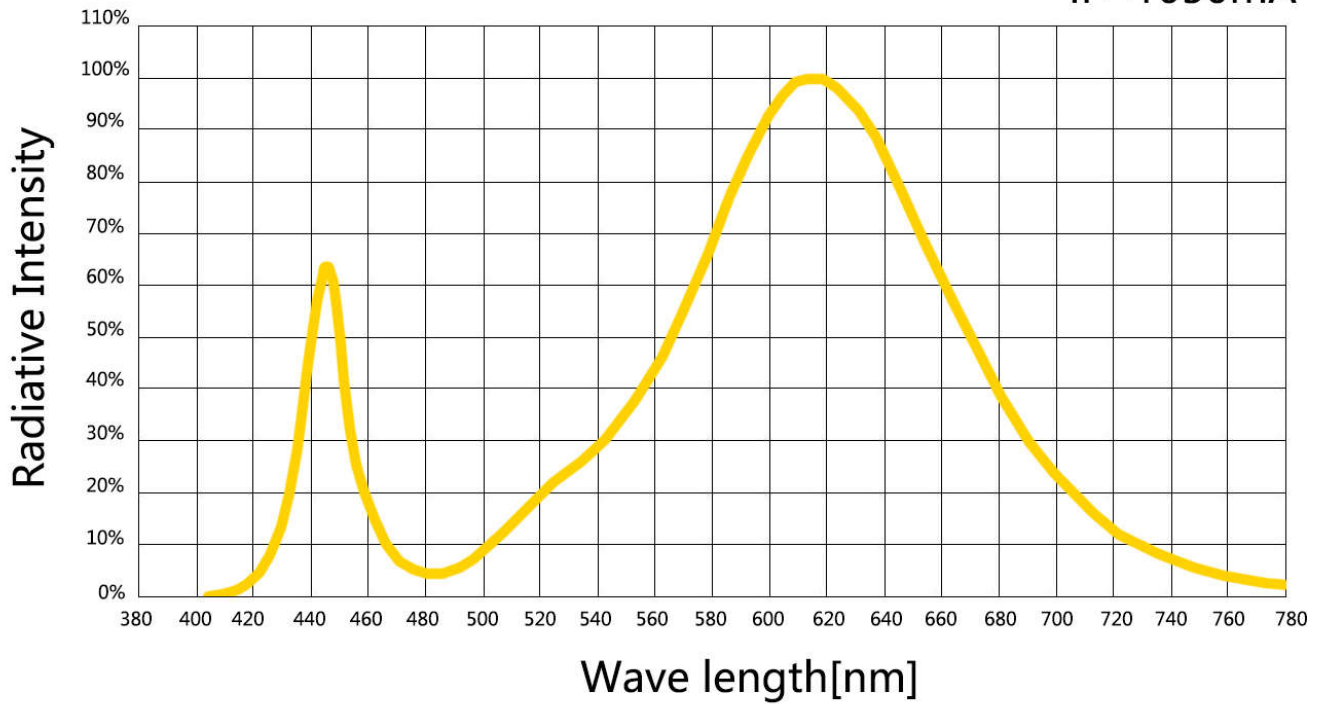
## 5. Optical Character Curves

( 25 ° Ambient Temperature Unless Otherwise Noted )



## 6. Spectrum Curves

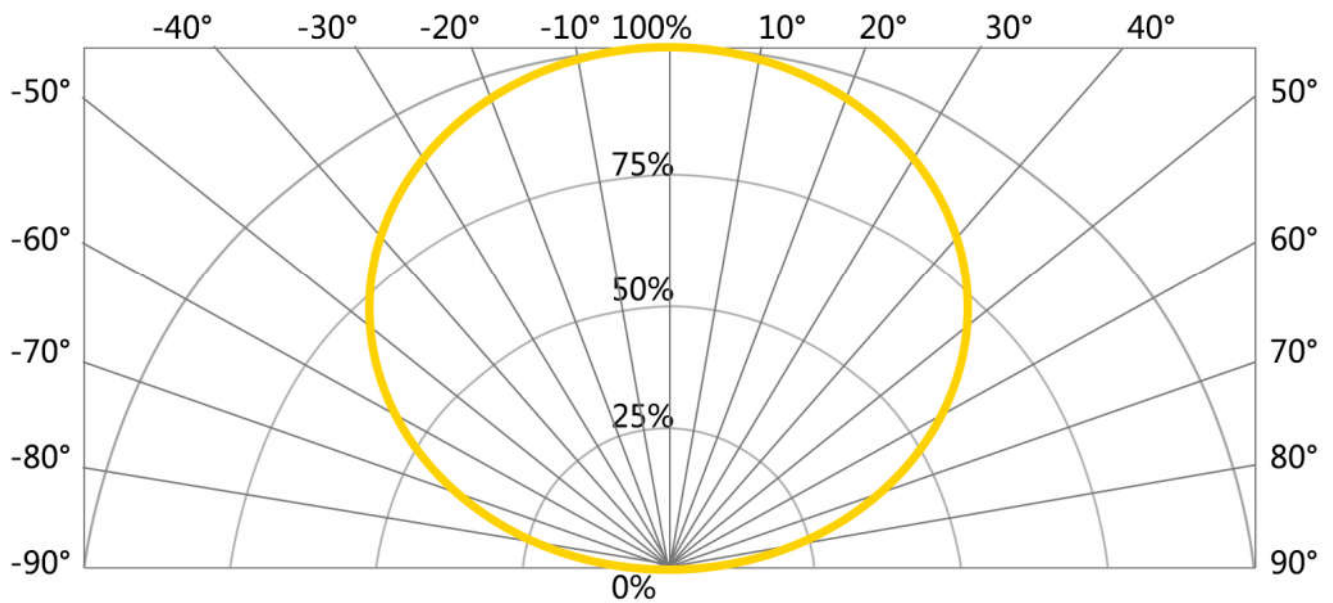
IF=1050mA



## 7. Viewing Angle Curves

Radiation Characteristic

IF=1050mA



## 8.Cautions

### 1. Electrostatic Treatment

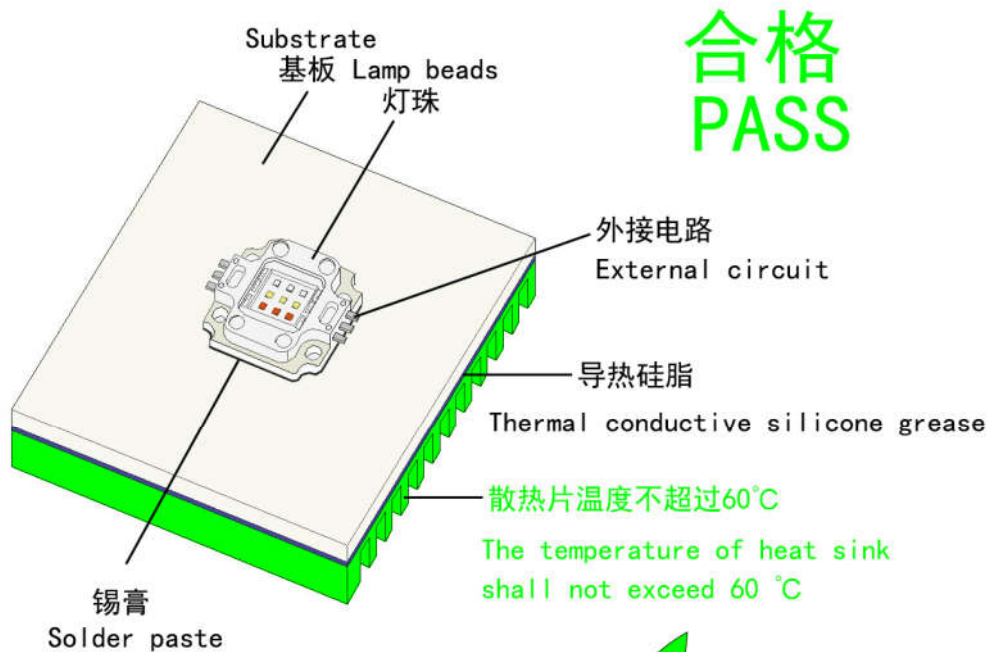
Do a full range of anti-static measures (such as: anti-static ring, anti-static clothes, machine, equipment grounding wire, etc.)



### 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

