

PRODUCT SPECIFICATION



Part No. : SRH-21WW35PB-3000GK
High Power LED

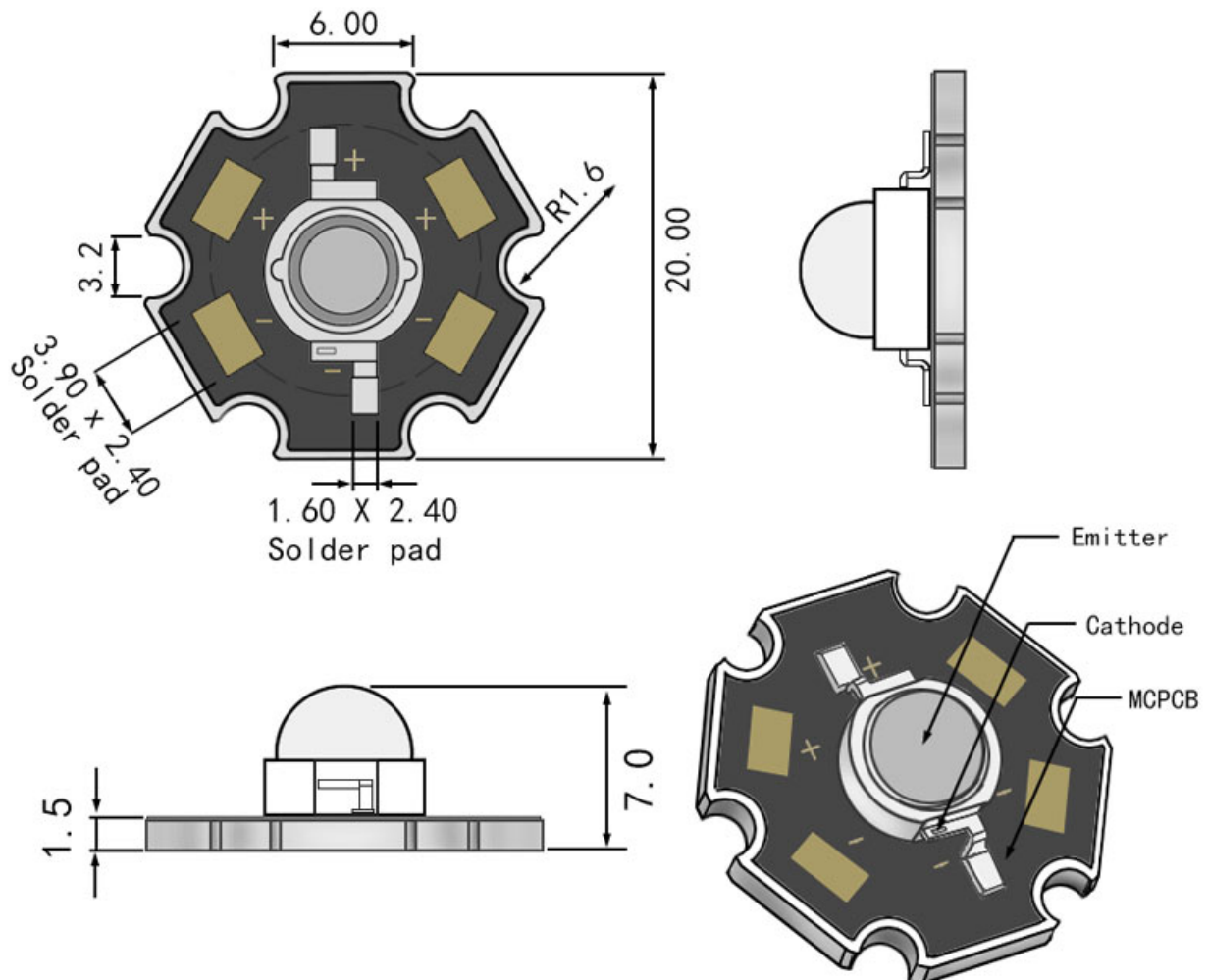
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1. Product Features

- High Power Warm White LED
- Clear Silicone Dome Lens
- Viewing Angle: 140 °
- Die Material: InGaN
- Low Voltage DC Operated
- Board Material: Aluminum

2. Mechanical Dimensions



Notes:

1. Dimensions in millimeters (mm)
2. Dimension Tolerance: ± 0.1 mm

3. Absolute Maximum Rating @ Ta = 25 °C

Parameter	Symbol	Maximum Rating	Unit
Continuous Forward Current	IF	350	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 +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	3.0	3.2	3.4	V	IF=350mA
Luminous Flux	Φ	WW	140	150	160	lm	IF=350mA
Chromaticity Coordinates	x			0.45		\	IF=350mA
	y			0.42		\	IF=350mA
Color Temperature	Tc	WW	2800	3000	3200	K	IF=350mA
Reverse Current	IR		0		10	μA	VR=5V
Viewing Angle	2θ1/2				140	deg	IF=350mA
Recommend Forward Current	IF(rec)	WW			350	mA	

Notes:

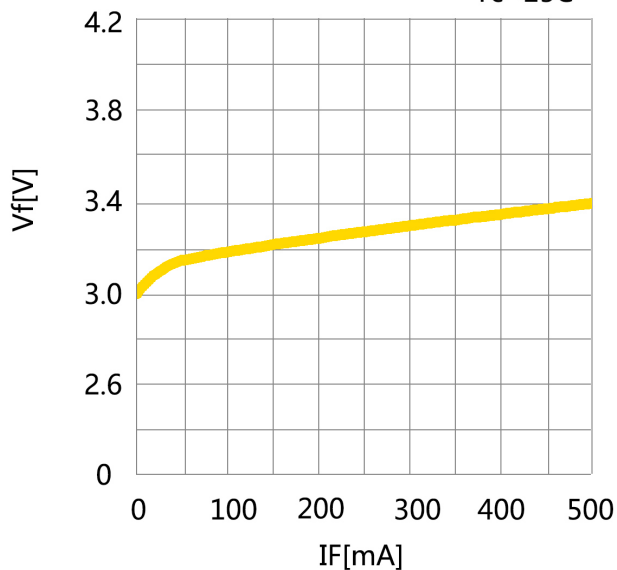
Forward Voltage Tolerance: ± 0.1 V

5. Optical Character Curves

(Unless otherwise specified, all values are measured at 25 °C ambient temperature)

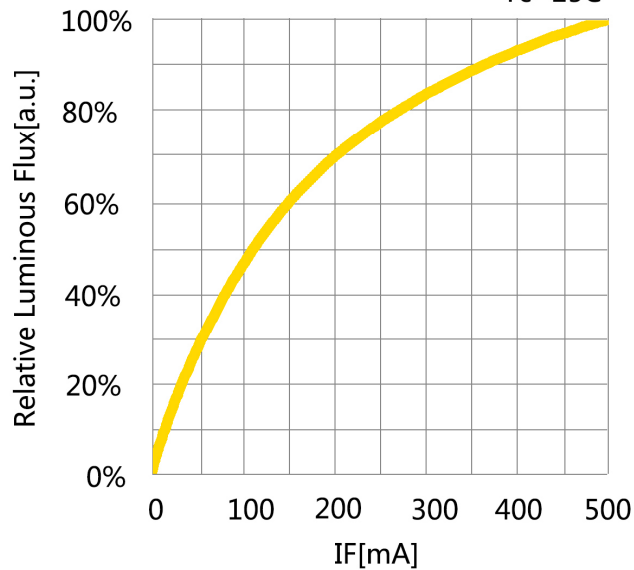
Forward Current vs. Forward Voltage

$T_c = 25^\circ\text{C}$



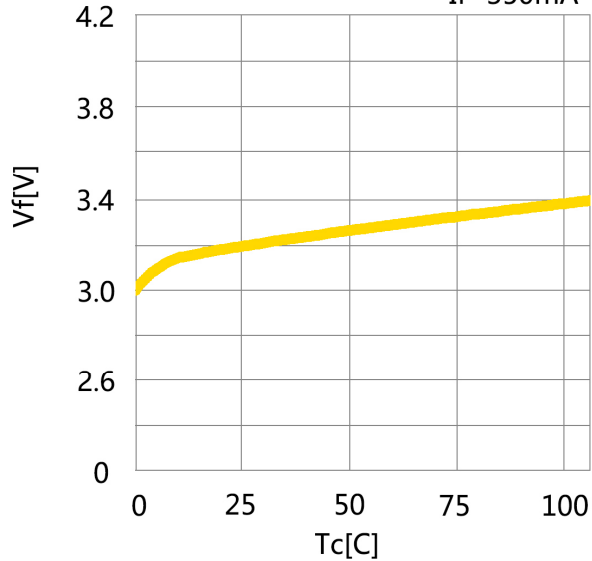
Forward Current vs. Relative Luminous Flux

$T_c = 25^\circ\text{C}$



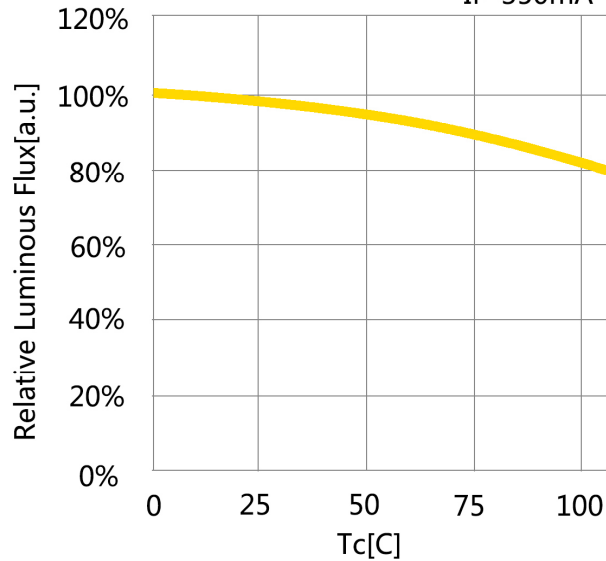
Case Temperature vs. Forward Voltage

$I_f = 350\text{mA}$

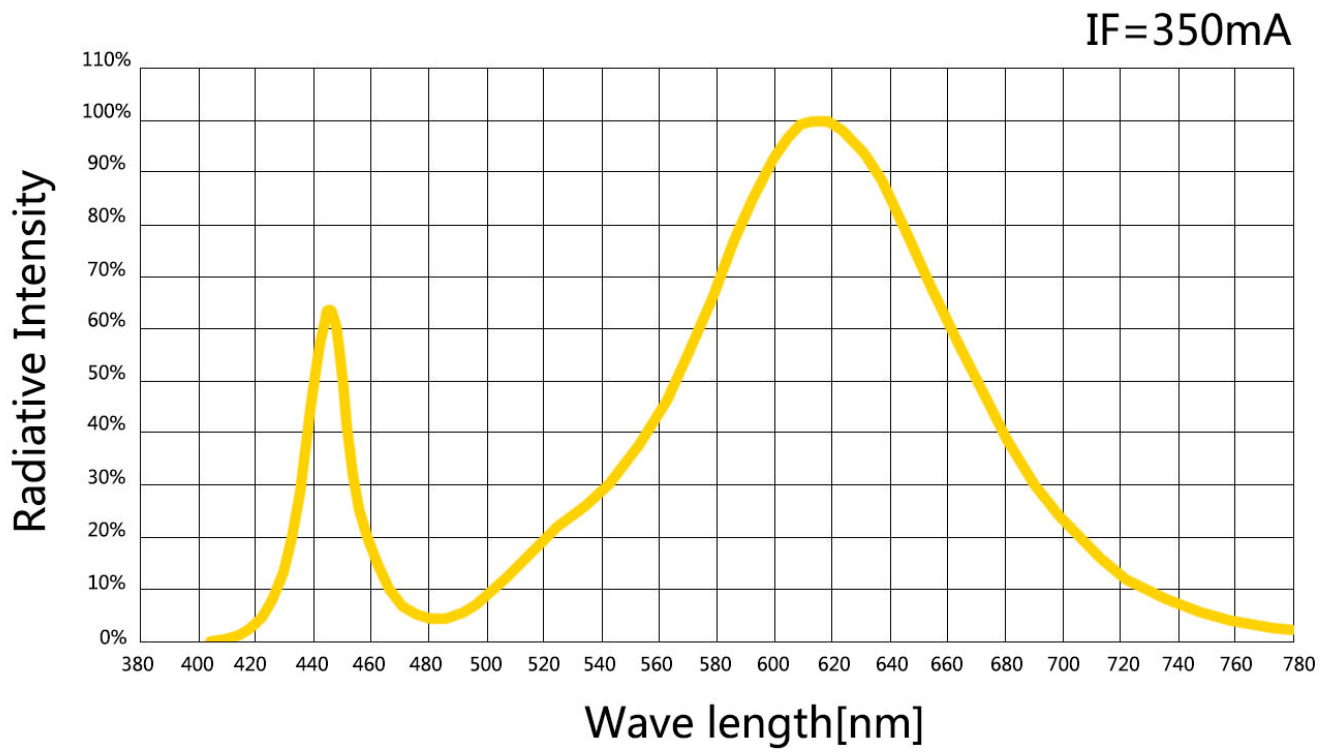


Case Temperature vs. Relative Luminous Flux

$I_f = 350\text{mA}$



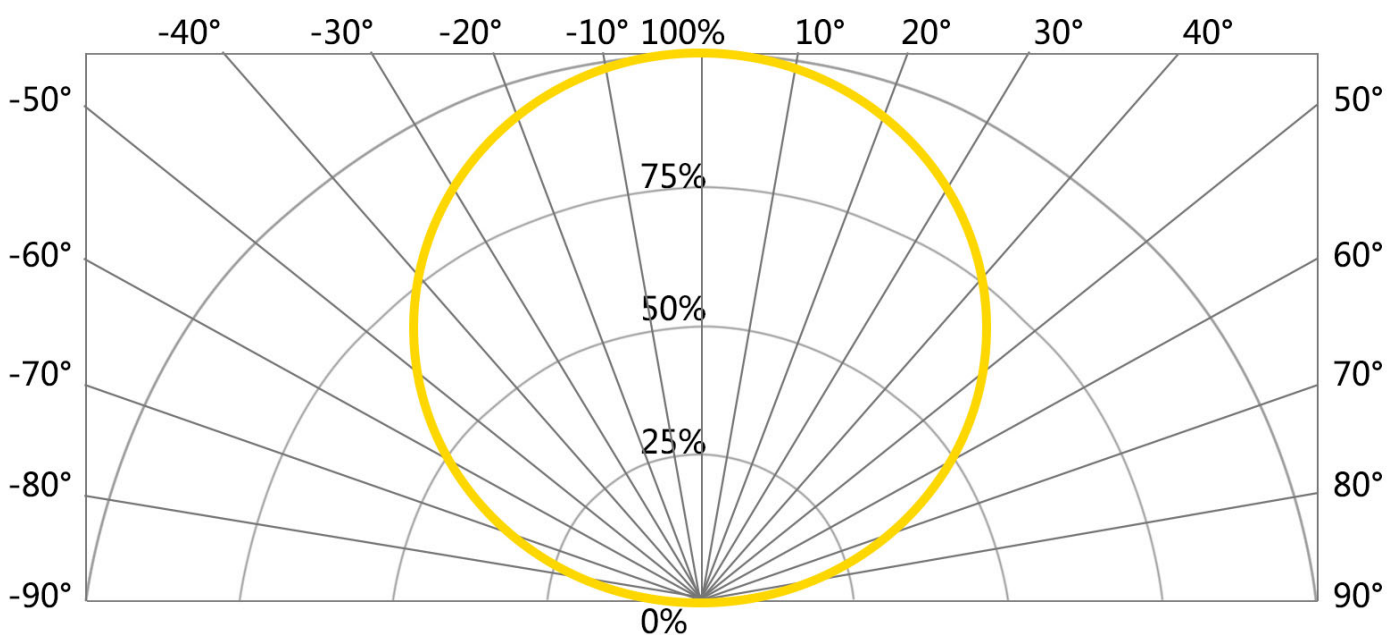
6. Spectrum Curves



7. Viewing Angle Curves

Radiation Characteristic

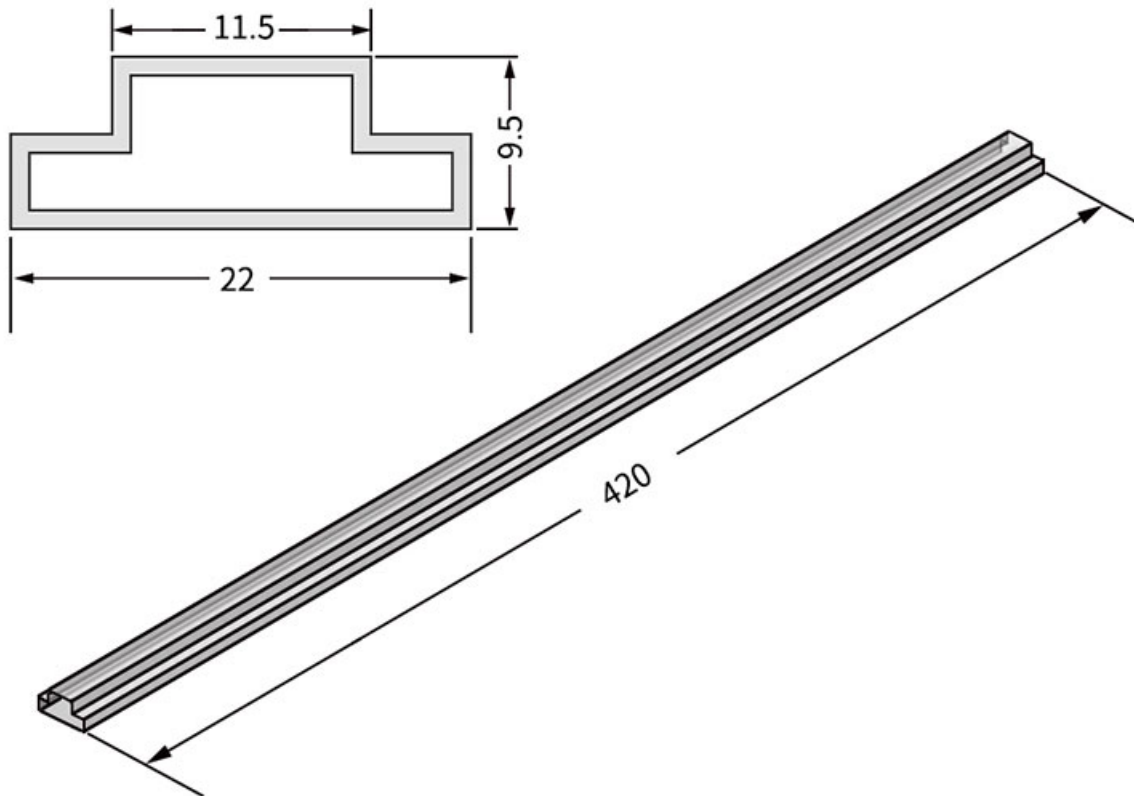
IF=350mA



8. Storage & Packaging

Storage & Handling Instructions for Unpacked LED Beads:

1. Immediate Use: Unpacked LED beads are recommended to be soldered within one day.
2. Short-Term Storage (Within 1 week): If not used immediately, re-vacuum seal and store in an environment with a temperature of 20-35 °C and 30-60% relative humidity. If re-vacuum sealing is not possible, store the LED beads in a moisture-proof box, maintaining 25±3 °C and 50-60% humidity.



Notes:

1. Quantity: 20pcs/tube
2. Dimensions in millimeters (mm)
3. Dimension Tolerance: ± 0.2 mm