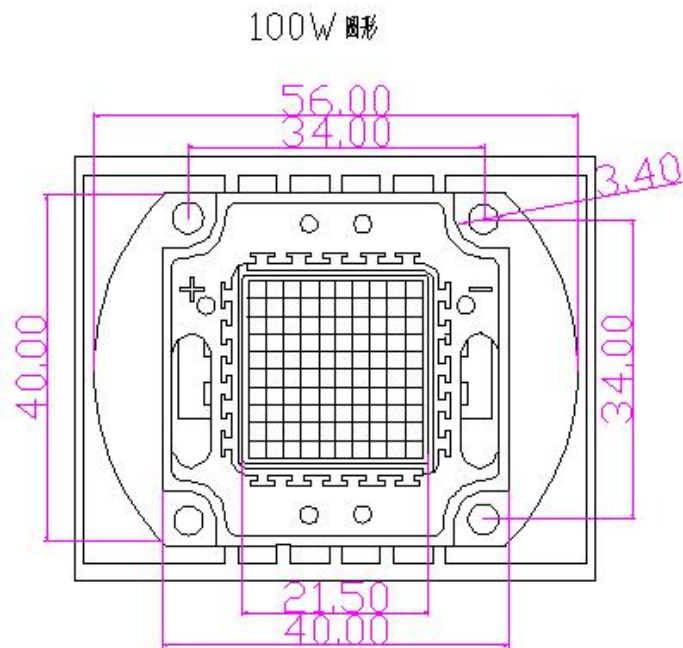


**Part No.: JSL-S100W-PG**

**Features:**

- Highest Flux Violet
- High reliability and Very long operating life (up to 100K hours)
- Low voltage DC operated
- More Energy Efficient than Incandescent and most Halogen lamps
- NO UV
- Superior ESD protection

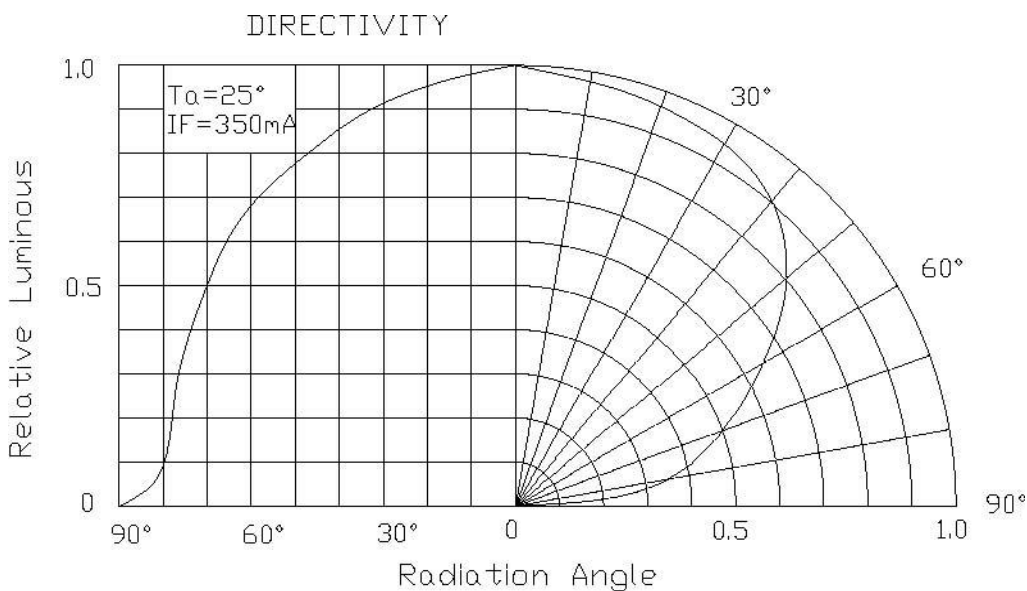


**Typical Applications:**

- Reading lights(car,bus,aircraft)
- Portable(flashlight,bicycle)
- Automotive Exterior(Stop-Tail-Turn, CHMSL,Mirror Side Repeat)
- Decorative

**NOTE:**

- All dimensions are millimeter.
- Tolerance is  $\pm 0.25\text{mm}$  unless otherwise noted





# Ningbo Junsheng Electronics Co.,LTD.

**Part No.: JSL-S100W-PG**

## Absolute maximum ratings (Ta = 25°C)

Parameter	Symbol	Test Condition	Value		Unit
			Min.	Max.	
DC Forward Current	IF	----	----	3500	mA
Peak Pulse Current	Ipeak	Duty=0.1, 1kHz	----	4000	mA
Power Dissipation	Pd	----	----	100	W
LED Junction Temperature	Tj	----	----	120	°C
Operating Temperature	Topr	----	-25	+100	°C
Storage Temperature	Tstr	----	-40	+120	°C
ESD Sensitivity	---	HBM	8000	----	V
Soldering Temperature	---	----	260°C for 5 Seconds max		

## Electrical and optical characteristics (Ta = 25°C)

Parameter	Symbol	Test Condition	Value			Unit
			Min.	Typ.	Max.	
Forward Voltage	VF	IF = 3500mA	30.0	32.0	38.0	V
Luminous Flux	Φv	IF = 3500mA	6000	6500	----	lm
Viewing Angle	2θ 1/2	IF = 3500mA	----	120	----	Deg.
Dominate Wavelength	CCT	IF = 3500mA	520	----	525	NM