

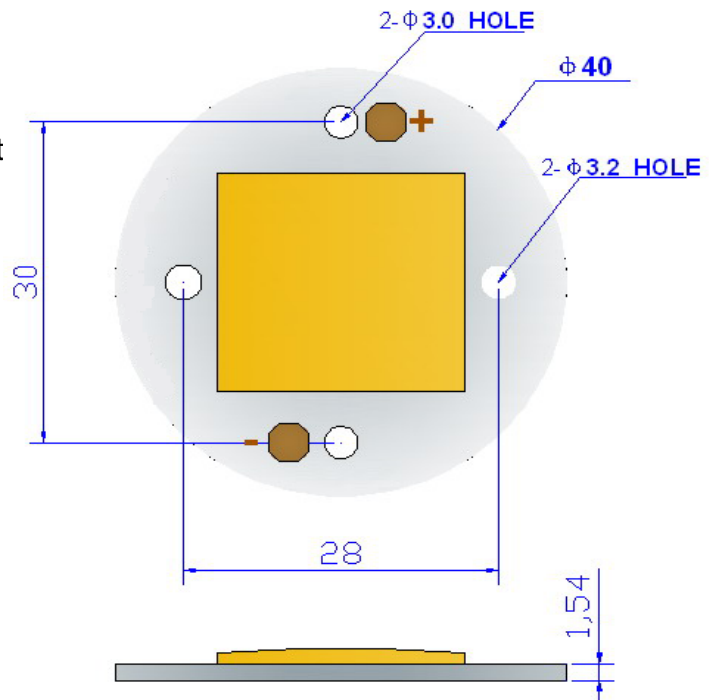


**Features :**

- High radiometric power per LED
- Very long operating life (up to 100K hours)
- Low voltage DC operated
- More Energy Efficient than Incandescent and most Halogen lamps
- Good color uniformity
- NO UV
- Superior ESD protection
- Easy installation with Screws
- High Heat dissipation Efficiency

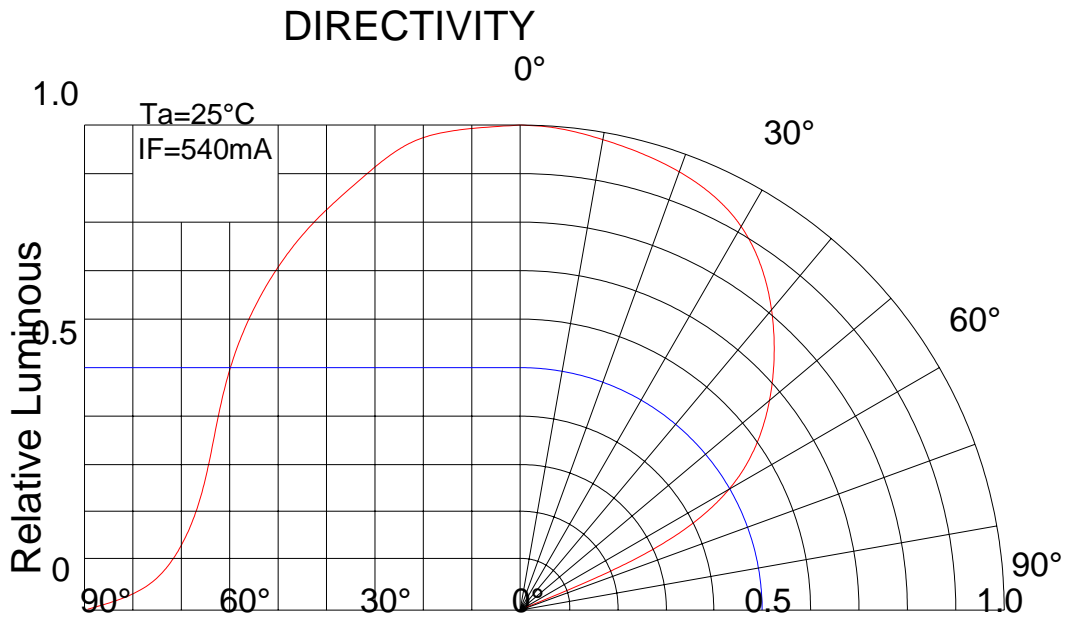
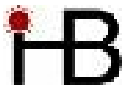
**Typical Applications :**

- Reading lights(car,bus,aircraft)
- Portable(flashlight,bicycle)
- Automotive Exterior(Stop-Tail-Turn, CHMSL,Mirror Side Repeat)
- Decorative/Entertainment
- Dental curing lights
- Uplighters/Downlighters
- Bollards/Security/Garden
- Cove/Undershelf/Task
- Indoor/Outdoor Commercial and Residential Architectural
- Automotive Ext(stop-Tail-Turn)
- Street Lamp

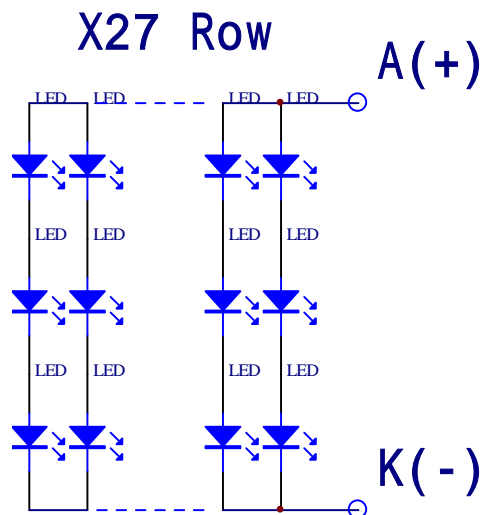


**NOTE:**

- All dimensions are millimeter.
- Tolerance is ±0.1mm unless otherwise noted.
- It is strongly recommended that the temperature of lead be not higher than 60 .
- The appearance and specifications of the product may be modified for improvement without notice.



**Circuit Diagram:**



**Part No. : )J57-8K\***

**Absolute maximum ratings ( Ta = 25 )**

Parameter	Symbol	Test Condition	Value		Unit
			Min.	Max.	
DC Forward Current	IF	----	----	700	mA
Peak Pulse Current	Ipeak	Duty=0.1mS , 1kHz	----	1000	mA
Power Dissipation	Pd	----	----	6.5	W
LED Junction Temperature	Tj	----	----	120	
Operating Temperature	Topr	----	-25	+80	
Storage Temperature	Tstr	----	-40	+100	
ESD Sensitivity	----	HBM	8000	----	V
Soldering Temperature	----	----	220 for 5 Seconds max		

**Electrical and optical characteristics ( Ta = 25 )**

Parameter	Symbol	Test Condition	Value			Unit
			Min.	Typ.	Max.	
Forward Voltage	VF	IF = 540mA	9.0	9.2	10	V
Luminous Flux	v		----	410	----	lm
Viewing Angle	2 1/2		----	120	----	Deg.
Color Temperature	CCT		5000	----	8000	K

**Luminous Flux Bins ( Ta = 25 )**

**Unit: lm**

Bin	W	X	Y	Z
Min	320	360	400	450
Max	360	400	450	500

**CCT Bins ( Ta = 25 )**

**Unit: K**

Bin	W6	W7	W8	W9
Min	5000	5600	6300	7000
Max	5600	6300	7000	8000

**Note**

- 1 . Flux is measured with an accuracy of  $\pm 15\%$
- 2 . CCT is measured with an accuracy of  $\pm 200K$
- 3 . Forward Voltage is measured with an accuracy of  $\pm 0.15V$