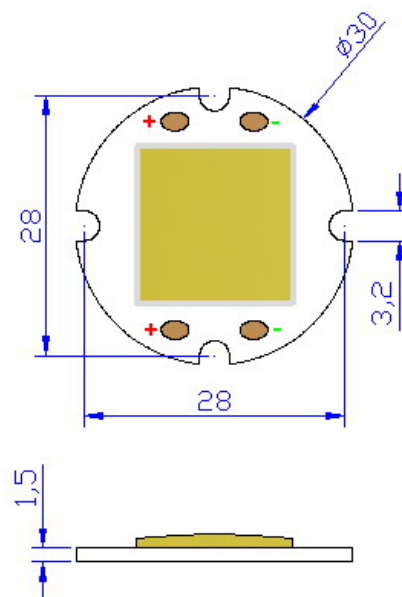


**Part No. ' ' J57-7K ' '****Features :**

- 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:**

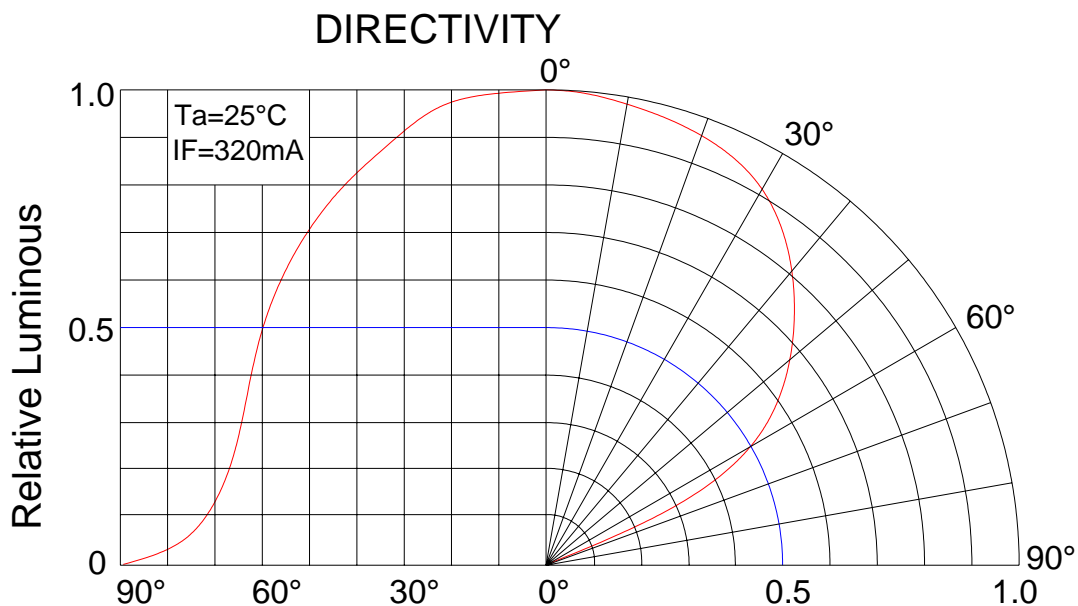
- All dimensions are millimeter.
- Tolerance is  $\pm 0.1$ mm unless otherwise noted.
- It is strongly recommended that the temperature of lead be not higher than 60 °C.
- The appearance and specifications of the product may be modified for improvement without notice.



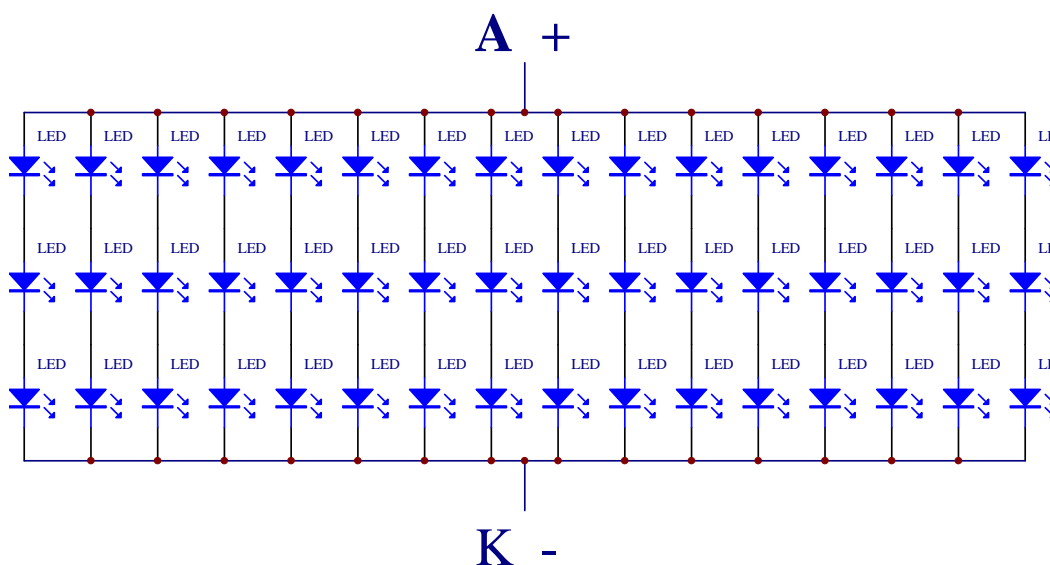
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## SPECIFICATION

Part No. J57-7K



### Circuit Diagram:



Part No. : ' J57-7K '

Absolute maximum ratings ( Ta = 25 )

Parameter	Symbol	Test Condition	Value		Unit
			Min.	Max.	
DC Forward Current	IF	----	----	400	mA
Peak Pulse Current	Ipeak	Duty=0.1mS , 1kHz	----	800	mA
Power Dissipation	Pd	----	----	3.5	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 = 320mA	9.0	9.2	10	V
Luminous Flux	v		----	180	----	lm
Viewing Angle	2 1/2		----	120	----	Deg.
Color Temperature	CCT		----	----	3600	K

Luminous Flux Bins ( Ta = 25 )

Unit: lm

Bin	Q	R	S	T
Min	140	160	180	200
Max	160	180	200	240

CCT Bins ( Ta = 25 )

Unit: K

Bin	W0	W1	W2
Min	----	3000	3300
Max	3000	3300	3600

## 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  $\pm 0.15V$