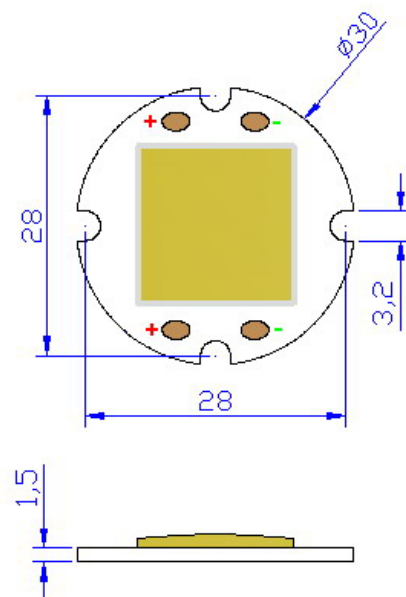


Features :

- 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

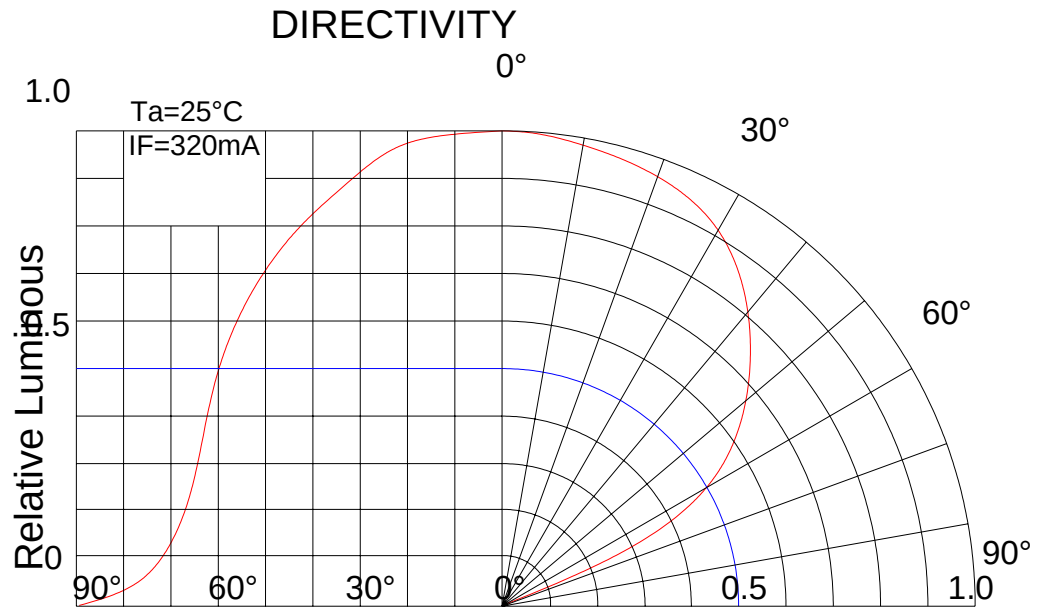
Typical Applications :

- 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

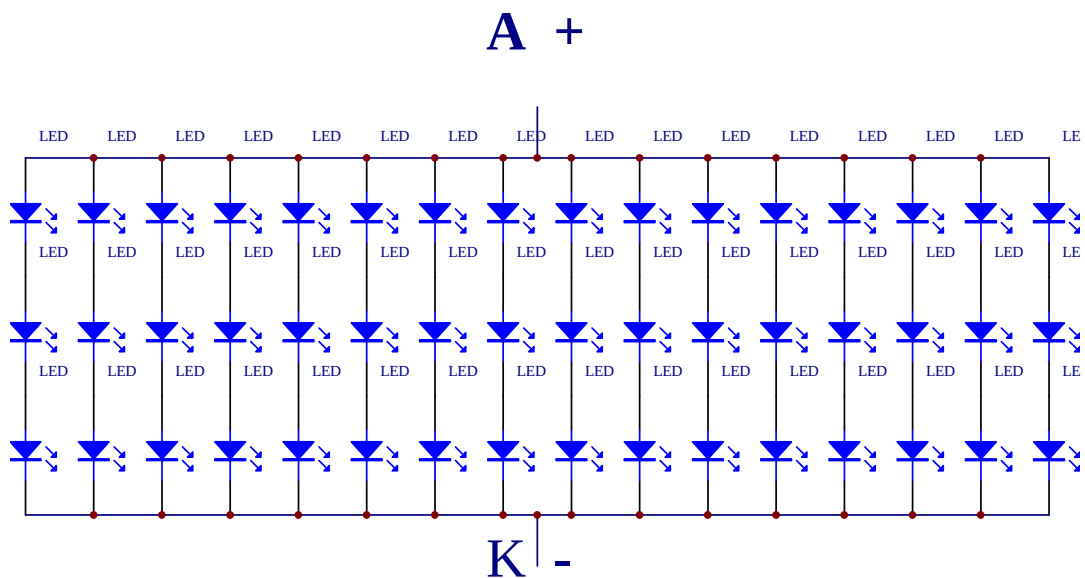


NOTE:

- All dimensions are millimeter.
- Tolerance is $\pm 0.1\text{mm}$ 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.



Circuit Diagram:



**Part No. 3VAC9CW6****Absolute maximum ratings (Ta = 25°C)**

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	°C
Operating Temperature	Topr	----	-25	+80	°C
Storage Temperature	Tstr	----	-40	+100	°C
ESD Sensitivity	----	HBM	8000	----	V
Soldering Temperature	----	----	220°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 = 320mA	9.0	9.2	10	V
Luminous Flux	Φv		----	200	----	lm
Viewing Angle	2 θ 1/2		----	120	----	Deg.
Color Temperature	CCT		5000	----	8000	K

Luminous Flux Bins (Ta = 25°C)**Unit: lm**

Bin	R	S	T	U
Min	160	180	200	240
Max	180	200	240	280

CCT Bins (Ta = 25°C)**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 ±15%
2. CCT is measured with an accuracy of ± 200K
3. Forward Voltage is measured with an accuracy of ± 0.15V