

## E10 DC Screw LED Lamp:

E10 DC Screw LED Lamp is LED which requires a resistor in series to permit direct connection to DC 12V.

### Features:

- 8mm LED
- Water Clear Type
- DC 12V

### Applications

- Bicycle Light/Torch
- Dashboard Signal/Automotive Lighting

### Absolute maximum rating (Ta=25°C)

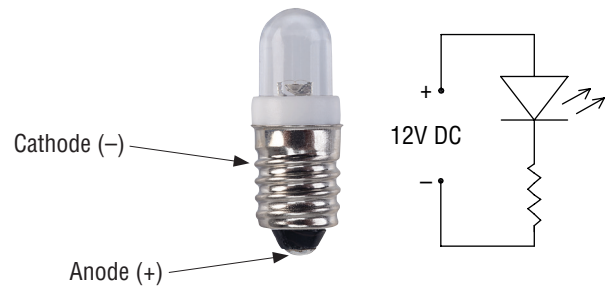
Item	Symbol	Value	Unit
DC forward current	$V_F$	14	V
Power dissipation	$P_D$	0.42	W
Operating temperature	$T_{opr}$	-30 to +85	°C
Storage temperature	$T_{stg}$	-40 to +100	°C
Lead soldering temperature	$T_{sol}$	260°C/5sec	-

### Electrical - Optical characteristics (Ta=25°C)

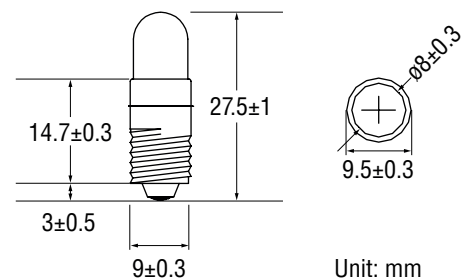
Colour	Control Voltage DC (V)	Domi. Wavelength*	Luminous Intensity*
	Working Current: $I_F=20mA$		
	Typ.	Typ.	Typ.
Cool white	12	8000-17000K	8400mcd

\*1 Tolerance of measurements of chromaticity coordinate is +10%  
 \*2 Tolerance of measurements of luminous intensity is +15%  
 \*3 Tolerance of measurements of forward voltage is  $\pm 0.1V$   
 \*4 Tolerance of measurements of dominant wavelength is +1nm

### Circuit diagram:



### Outline dimensions:



### Directivity:

