

## E10 DC Screw LED Lamp

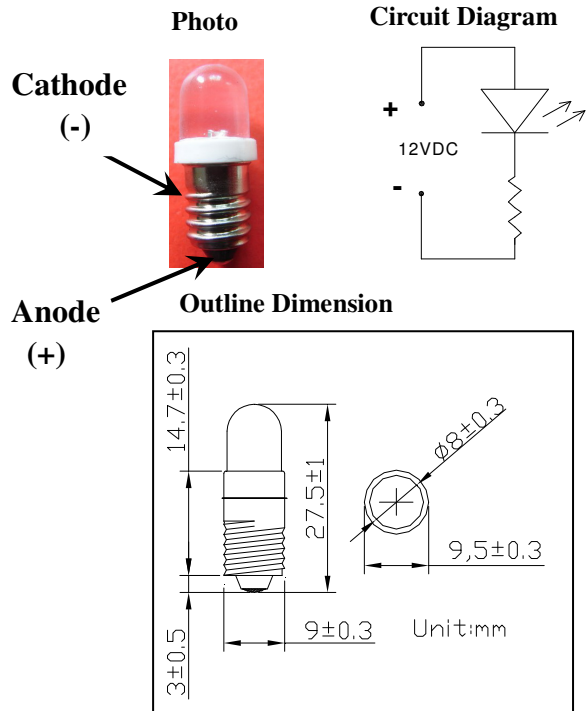
E10 DC Screw LED Lamp is LED which requires a resistor in series to permit direct connection to DC 12V.

### ■ Features

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

### ■ Applications

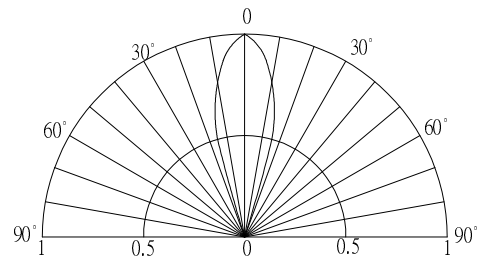
- Bicycle Light / Torch
- Dashboard Signal / Automotive Lighting



### ■ Absolute Maximum Rating (Ta=25°C)

Item	Symbol	Value	Unit
DC Forward Voltage	V <sub>F</sub>	14	V
Power Dissipation	P <sub>D</sub>	0.42	W
Operating Temperature	T <sub>opr</sub>	-30 ~ +85	°C
Storage Temperature	T <sub>stg</sub>	-40 ~ +100	°C
Lead Soldering Temperature	T <sub>sol</sub>	260°C/5sec	-

### ■ Directivity



### ■ Electrical -Optical Characteristics (Ta=25°C)

Part Number	Color	Control Voltage	Domi.	Luminous
		DC (V)	Wavelength*	Intensity*
		Working Current: IF=20mA		
		Typ.	Typ.	Typ.
OPDK-W5DK8B31F	Cool White	12	8000-17000K	18000mcd
OPDK-M5DK8B31F	Warm White	12	2500-3500K	9000mcd
OPDK-B5SA8B31F	Blue	12	465-475nm	5200mcd
OPDK-G5DA8B31F	Green	12	520-530nm	20000mcd
OPDK-Y5MA8B31F	Yellow	12	585-595nm	13000mcd
OPDK-R5MA8B31F	Red	12	620-630nm	13000mcd

\*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 ±0.1V

\*4 Tolerance of measurements of dominant wavelength is ±1nm