

E10 DC Screw LED Lamp

E10 DC Screw LED Lamp is LED which requires a resistor in series to permit direct connection to DC24V.

■ Features

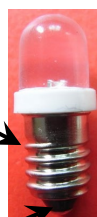
- 8mm LED
- Water Clear Type
- DC 24V

■ Applications

- Bicycle Light / Torch
- Dashboard Signal / Automotive Lighting

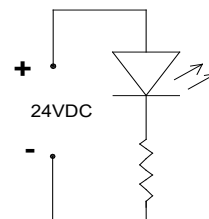
Photo

Cathode
(-)

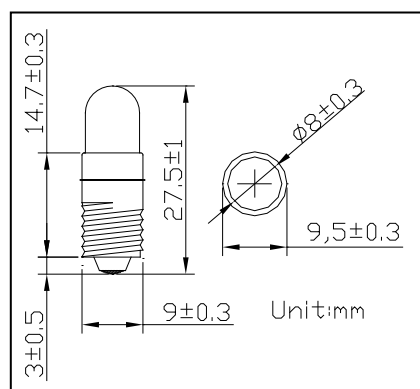


Anode
(+)

Circuit Diagram



Outline Dimension

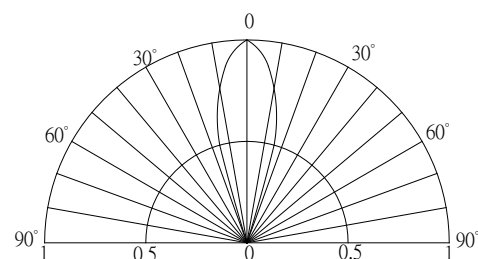


■ Absolute Maximum Rating

(Ta=25°C)

Item	Symbol	Value	Unit
DC Forward Voltage	V _F	26	V
Power Dissipation	P _D	0.8	W
Operating Temperature	T _{opr}	-30 ~ +85	°C
Storage Temperature	T _{stg}	-40 ~ +100	°C

■ Directivity



■ Electrical -Optical Characteristics

(Ta=25°C)

Part Number	Color	Control Voltage DC (V)	Domi. Wavelength*	Luminous Intensity*
		Working Current: IF=20mA		
		Typ.	Typ.	Typ.
OPDO-W5DK8B31F	Cool White	24	8000-17000K	18000mcd
OPDO-M5DK8B31F	Warm White	24	2500-3500K	9000mcd
OPDO-B5SA8B31F	Blue	24	465-475nm	5200mcd
OPDO-G5DA8B31F	Green	24	520-530nm	20000mcd
OPDO-Y5CA8B31F	Yellow	24	585-595nm	13000mcd
OPDO-R5CA8B31F	Red	24	620-630nm	13000mcd

*1 Tolerance of measurements of chromaticity coordinate/CCT is $\pm 10\%$

*2 Tolerance of measurements of dominant wavelength is $\pm 1\text{nm}$

*3 Tolerance of measurements of luminous intensity is $\pm 15\%$

*4 Tolerance of measurements of forward voltage is $\pm 0.1\text{V}$