

E10 DC Screw LED Lamp

E10 DC Screw LED Lamp is LED which requires a resistor in series to permit direct connection to DC 4.5V.

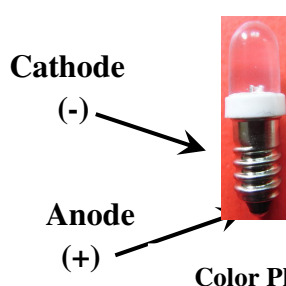
■ Features

- High Luminous LED
- 8mm Round 30° LED
- DC 4.5V
- Color Transparent (W/M: Water Clear)

■ Applications

- Bicycle Light / Torch
- Dashboard Signal / Automotive Lighting

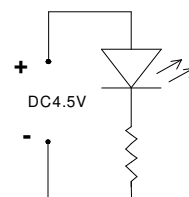
Photo



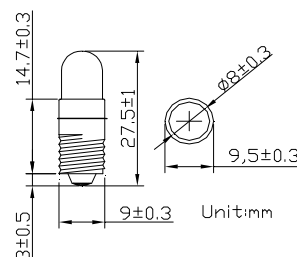
Color Photo



Circuit Diagram



Outline Dimension

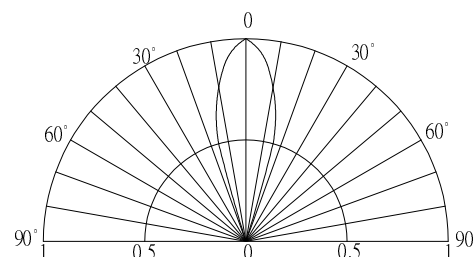


■ Absolute Maximum Rating

(Ta=25°C)

Item	Symbol	Value	Unit
DC Forward Voltage	V _F	5.5	V
Power Dissipation	P _D	0.17	W
Operating Temperature	T _{opr}	-30 ~ +85	°C
Storage Temperature	T _{stg}	-40 ~ +100	°C
Lead Soldering Temperature	T _{sol}	260°C/5sec	-

■ Directivity



■ Electrical -Optical Characteristics

(Ta=25°C)

Part Number	Color		Lens Type	Control Voltage DC (V)			Wd(nm)/CCT(K)*			Luminous Intensity* (mcd)		
				Min.	Typ.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.
OPDB-W5DK8B31F	Cool White		Water Clear	-	4.5	5.5	CCT:8500-18000K			20000	25000	-
OPDB-W4DK8B31F	Pure White		Water Clear				CCT:5500-8500K			20000	25000	-
OPDB-M5DK8B31F	Warm White		Water Clear				CCT:2700-3200K			12000	14400	-
OPDB-B5SA8B33F	Blue		Blue Transparent				465	470	475	7000	8400	-
OPDB-G5DA8B33F	Green		Green Transparent				520	525	530	20000	25000	-
OPDB-Y5PA8B33F	Yellow		Yellow Transparent				585	590	595	12000	14400	-
OPDB-O5PA8B33F	Orange		Orange Transparent				600	605	610	12000	14400	-
OPDB-R5PA8B33F	Red		Red Transparent				620	625	630	12000	14400	-

*1 Tolerance of measurements of chromaticity coordinate 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 $\pm 0.1\text{V}$