

E10 Screw Multi-Voltage LED Light Bulb

This LED Light Bulb built-in with resistor to operate with wide voltage of DC3-15V.

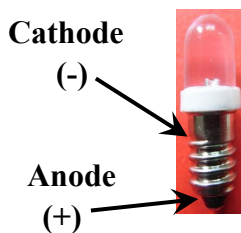
■ Features

- High luminous intensity
- 8mm round LED
- Color transparent
- Wide input voltage range (3-15V)
- Cost saving

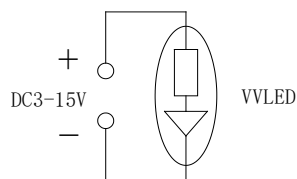
■ Applications

- LED bulb for signaling

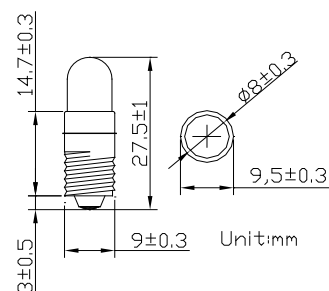
Photo



Circuit Diagram



Outline Dimension

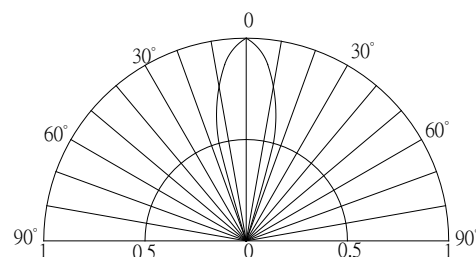


■ Absolute Maximum Rating

(Ta=25°C)

Item	Symbol	Value	Unit
DC Forward Voltage	V _F	15	V
Reverse Voltage	V _R	12	V
Power Dissipation	P _D	190	mW
Operating Temperature	T _{opr}	-30 ~ +85	°C
Storage Temperature	T _{stg}	-40 ~ +100	°C

■ Directivity



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

Part Number	Emitting Color		I _F (mA)*			I _v (mcd)*			Φ _v (lm)*			λD(nm)*/CCT(K)*			2θ1/2(deg)
			Min.	Typ.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.	Typ.
			V _F =9V			V _F =9V									
OPVV-W54K8B31B	White		-	7.5	12.5	-	7000	-	-	2.8	4.5	8500-18000K (X:0.27,Y:0.28)			30
OPVV-M54K8B31B	Warm White		-	7.5	12.5	-	7000	-	-	2.8	4.5	2700-3300K (X:0.45,Y:0.41)			30
OPVV-B5DA8B33B	Blue		-	7.5	12.5	-	2500	-	-	1.0	1.5	465	470	475	30
OPVV-G58A8B33B	Pure Green		-	7.5	12.5	-	7000	-	-	2.8	4.5	520	525	530	30
OPVV-Y5PA8B33B	Yellow		-	8	12.5	-	4200	-	-	1.5	2.5	585	590	595	30
OPVV-R5PA8B33B	Red		-	8	12.5	-	4200	-	-	1.5	2.5	620	625	630	30

*1 Tolerance of measurements of Domi. wavelength is ±1nm

*2 Tolerance of measurements of color temperature is ±10%

*3 Tolerance of measurements of luminous intensity is ±15%

*4 Tolerance of measurements of forward voltage is ±0.1V

LED & Application Technologies

