

Data Sheet

E10 Screw Multi-Voltage LED Light Bulb

This LED Light Bulb built-in with resistor to operate with wide voltage of 3-15 V DC.

Features

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

Applications

LED bulb for signaling

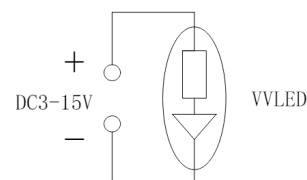
A notice:

Lamps only for special applications, e.g. in machines, in signal lights or for scale lighting.
Not intended for household room lighting.

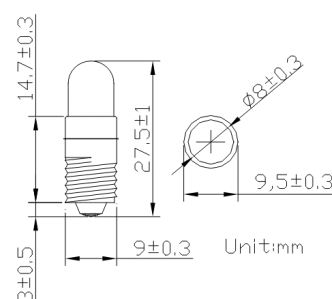
Photo



Circuit Diagram



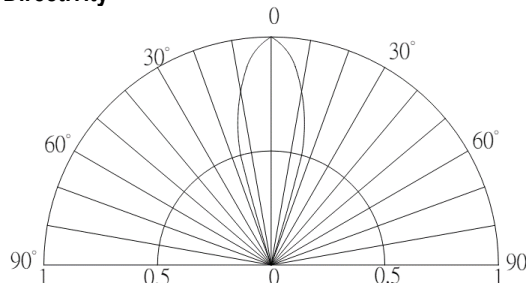
Outline Dimension



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)

BN	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 =9 V			V _F =9 V									
3062477	Cool White		-	7.5	12.5	-	7000	-	-	2.8	4.5	8500-18000 K (X:0.27,Y:0.28)			30
3062478	Warm White		-	7.5	12.5	-	7000	-	-	2.8	4.5	2700-3300 K (X:0.45,Y:0.41)			30
3062479	Blue		-	7.5	12.5	-	2500	-	-	1.0	1.5	465	470	475	30
3062482	Red		-	8	12.5	-	4200	-	-	1.5	2.5	620	625	630	30

*1 Tolerance of measurements of Domi. wavelength is $\pm 1\text{ nm}$

*2 Tolerance of measurements of color temperature is $\pm 10\%$

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

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