

5.0mm Round Type LED Lamps

MODEL NO : IE-5W4SW-54-33

★Features:

- Fluorescence Type;
- High Luminous Intensity;
- High Efficiency;

★Lens Color:

- Color Diffused Color Transparent
 Water Clear White Diffused

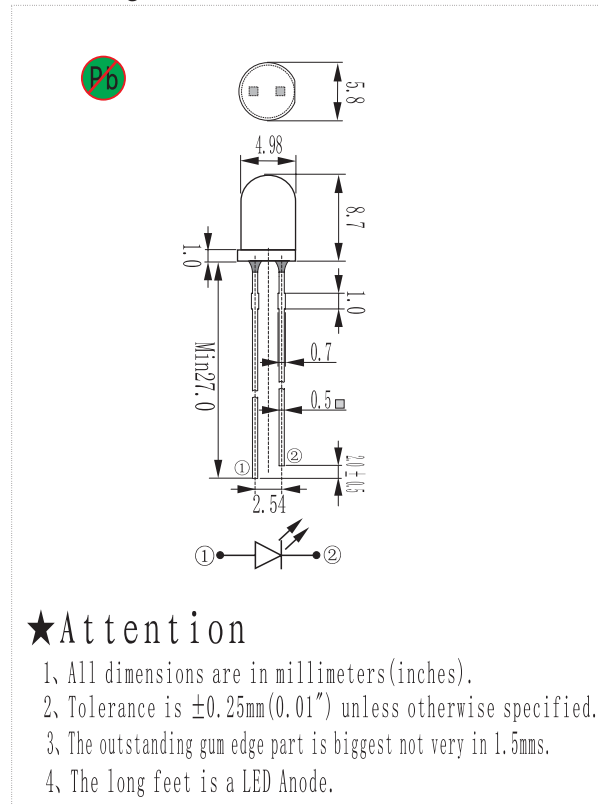
★Descriptions:

- The white LED which was fabricated using a blue LED and a phosphor, and the phosphor is excited by blue light and emits yellow fluorescence. The mixture of blue light and yellow light results in a white emission.

★Applications:

- OA Equipment;
- Backlighting of LCD;
- Automotive Equipment;
- Replacement of Conventional Light Bulbs and Fluorescent Lamps.

★Package Dimension:



★Attention

1. All dimensions are in millimeters (inches).
2. Tolerance is $\pm 0.25\text{mm}$ (0.01") unless otherwise specified.
3. The outstanding gum edge part is biggest not very in 1.5mm.
4. The long feet is a LED Anode.

★Absolute Maximum Ratings (Ta=25°C):

Parameter	Symbol	Rating	Unit	Remarks
Forward Current	I_F	30	mA	—
Peak Forward Current	I_{FP}	100	mA	1/10 Duty Cycle
Reverse Voltage	V_R	5	V	—
Operating Temperature	T_{OPR}	-25~+85	°C	—
Storage Temperature	T_{Stg}	-40~+100	°C	—
Soldering Temperature	T_{Sol}	260	°C	<3 seconds
Power Dissipation	P_d	80	mW	—

★Electronic Optical Characteristics (Ta=25°C):

Part Number	Emitting Color	V_F (V)			I_V (mcd)		I_R (μ A) VR=5V	Chromaticity Coordinates		Viewing Angle 2 $\theta_{1/2}$ (°)
		$I_F=20\text{mA}$			$I_F=20\text{mA}$			X	Y	
		Min	Typ	Max	Typ	Max				
IE-5W4SW-54-33	WHITE	2.8	3.0	3.6	3200	6300	<10	0.28-0.33	0.30-0.35	50°

★Elucidation: =Pb free Soldering Application, Pb<1000ppm (RoHS-Compliant)