

5.0mm Round Type LED Lamps

MODEL NO : IE-5W4SW-54-31

★Features:

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

★Lens Color:

- Color Diffused Color Transparent
- Water Clear White Diffused

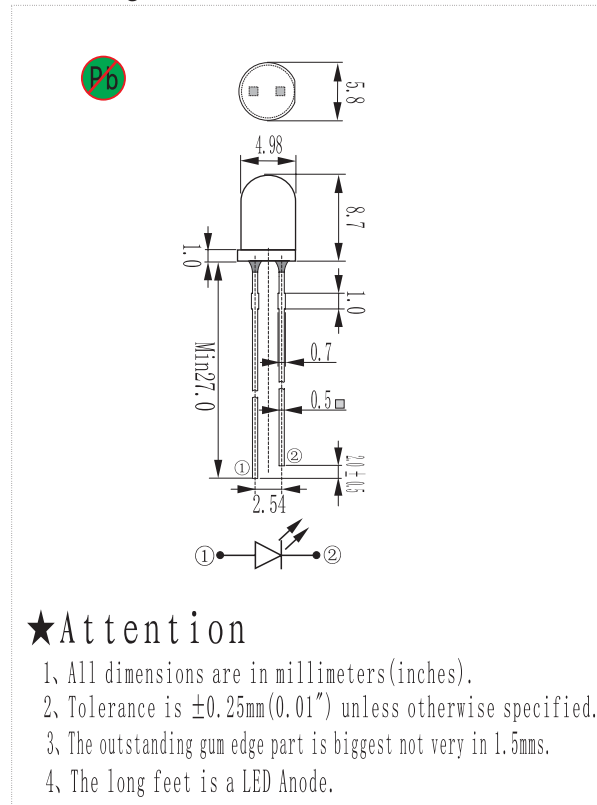
★Descriptions:

- 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 1.5mms.
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 | $V_F(V)$ | | | $I_V(\text{mcd})$ | | $I_R(\mu A)$ VR=5V | Chromaticity Coordinates | | Viewing Angle 2θ _{1/2} (°) |
|----------------|----------------|----------|-----|-----|-------------------|------|-----------------------|--------------------------|-----------|--|
| | | Min | Typ | Max | Typ | Max | | X | Y | |
| IE-5W4SW-54-31 | 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)