

## 5.0mm Round Type LED Lamps

MODEL NO : IE-5W4SW-54-32

### ★Features:

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

### ★Lens Color:

- Color Diffused       Color Transparent  
 Water Clear       White Diffused

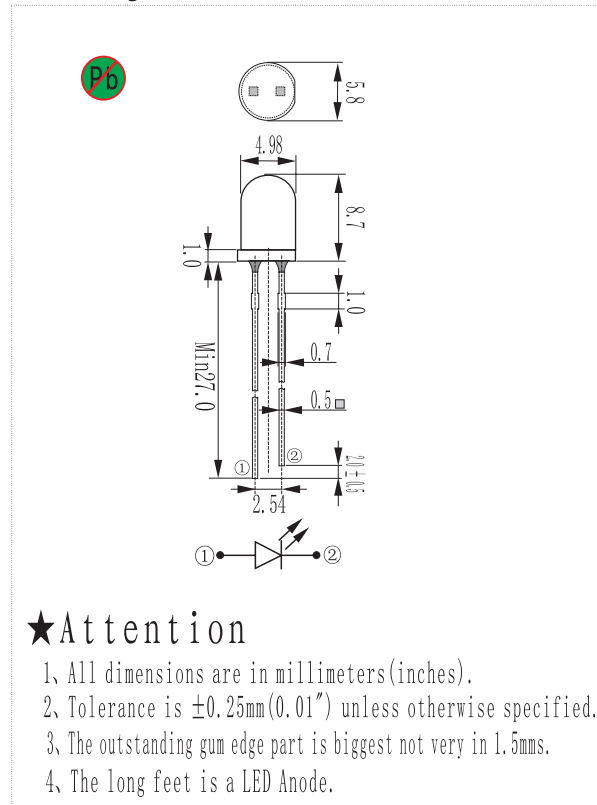
### ★Descriptions:

- 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)		$I_R$ ( $\mu$ 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-54-32	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)