

8.0mm Round Type LED Lamps

MODEL NO: IE-8RGB8UW-B

★Features:

- Three chips are matched for uniform light output;
- Long life-solid state reliability;
- IC compatible/low power consumption;

★Lens Color:

- Water Clear White Diffused

★Descriptions:

- The LED Lamp contains three integral chips And is available as both tricolor and Tripolar types;
- The Super Red and Super Green Light and Super Blue are emitted by diodes of GaAlAs and GaP respectively.

★Applications:

- Indicators ● Home Electric Appliance
- Automotive ● Sign & Signal

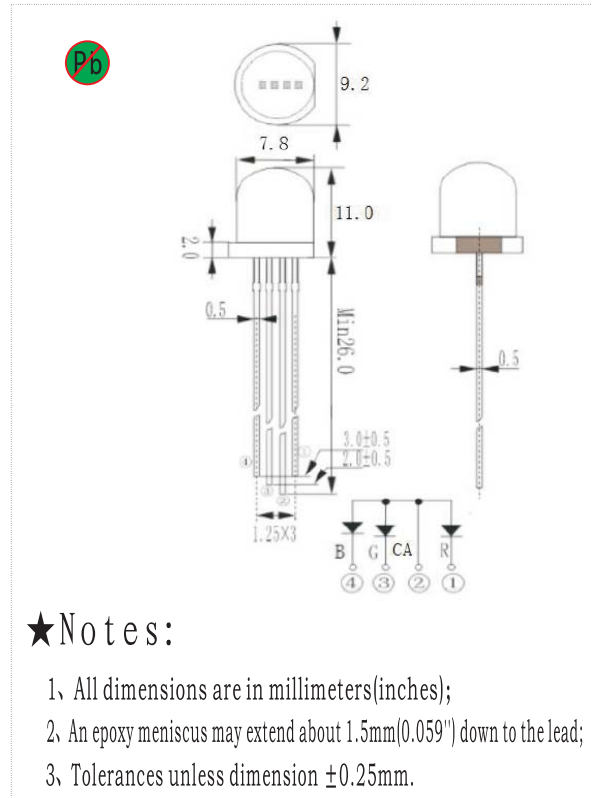
★Absolute Maximun Rating(Ta=25°C):

Parameter	Symbol	Rating	Unit	Remark
Forward Current	I _F	30*3	mA	
Peak Forward Current	I _{FP}	100*3	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 _{So1}	260	°C	<3 seconds
Power Dissipation	P _d	80*3	mW	

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

Part Number	Emitting Color	V _F (V)			I _V (mcd)		I _R (μA) VR=5V	λ _d (Nm)	Δλ(nm)	Viewing Angle 2θ _{1/2} (°)
		I _F =20mA			I _F =20mA					
		Min	Typ	Max	Typ	Max				
IE-8RGB8UW-B	RED	1.65	2.0	2.4	600	—	<10	618-630	20	100°
	GREEN	2.6	3.0	3.4	1500	—		516-526	35	
	Blue	2.8	2.9	3.6	300	—		460-470	20	

★Package Dimension:



★Notes:

1. All dimensions are in millimeters(inches);
2. An epoxy meniscus may extend about 1.5mm(0.059") down to the lead;
3. Tolerances unless dimension ±0.25mm.

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