

Features

- High intensity
- Wide viewing angle
- General purpose leads
- Reliable and rugged

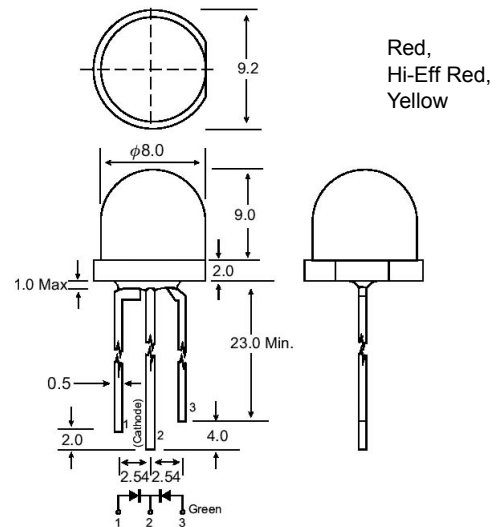
Absolute Maximum Ratings at Ta=25°C

Parameter	Max.	Unit
Power Dissipation	100	mW
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	100	mA
Continuous Forward Current	40	mA
Derating Linear From 50°C	0.4	mA / °C
Reverse Voltage	5	V
Operating Temperature Range	-40°C to +80°C	
Storage Temperature Range	-40°C to +80°C	
Lead Soldering Temperature [4mm(.157") From Body]	260°C for 5 Seconds	

Notes:

- All dimensions are in millimeters (inches).
- Protruded resin under flange is 1.0mm (.04") max.
- Lead spacing is measured where the leads emerge from the package.
- Specifications are subject to change without notice.

Package Dimensions



Unit: mm (inches)

Tolerance: ± 0.25mm (.010") max.

Part No.	Emitting Color	Lens Color	Peak Wavelength λ_p (nm)	Vf (V) $I_f = 20\text{mA}$ (Note E1)		Iv (mcd) (Note E2)		Viewing Angle $2\theta_{1/2}$ (Deg) (Note E3)
				Min	Typ	Min	Typ	
EL-8RG332	Hi-Red	Water Clear	656	1.6	1.9	70	95	30
	Hi-Green		564	1.7	2.2	45	70	
EL-8RG634	Hi-Red	White Diffused	630	1.6	2.0	40	65	60
	Hi- Green		568	1.7	2.2	25	40	
EL-8YG634	Hi-Yellow	White Diffused	588	1.6	2.0	40	65	60
	Hi- Green		568	1.7	2.2	25	40	

Parameter

Luminous Intensity

Dominant Wavelength

Peak Emission Wavelength

Viewing Angle

Spectral Line Half-Width

Forward Voltage

Reverse Current

Test Condition

$I_f = 20\text{mA}$ (Note E1. Luminous intensity is measured with a light sensor and filter combination that approximates the CIE eye-response curve.)

$I_f = 20\text{mA}$ (Note E2: The dominant wavelength (λ_d) is derived from the CIE chromaticity diagram and represents the single wavelength which defines the color of the device.)

$I_f = 20\text{mA}$

(Note E3. $\theta_{1/2}$ is the off-axis angle at which the luminous intensity is half the axial luminous intensity.)

$I_f = 20\text{mA}$

$I_f = 20\text{mA}$

$I_f = 20\text{mA}$