

Kingbright®

T-1 (3mm) BI-COLOR INDICATOR LAMPS

L-3WEGW HIGH EFFICIENCY RED / GREEN

L-3WSRSGW SUPER BRIGHT RED / SUPER BRIGHT GREEN

Features

- UNIFORM LIGHT OUTPUT.
- LOW POWER CONSUMPTION.
- MILKY WHITE DIFFUSION LENS.
- 3 LEADS WITH ONE COMMON LEAD.
- THIRD COLOR (MIXED COLOR) AVAILABLE.
- SUPER BRIGHT VERSION AVAILABLE.
- I.C. COMPATIBLE.
- LONG LIFE - SOLID STATE RELIABILITY.

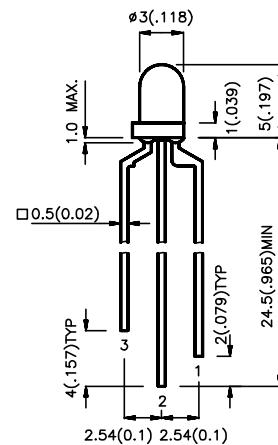
Description

The Green and Super Bright Green source color devices are made with Gallium Phosphide Green Light Emitting Diode.

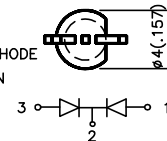
The High Efficiency Red source color devices are made with Gallium Arsenide Phosphide on Gallium Phosphide Orange Light Emitting Diode.

The Super Bright Red source color devices are made with Gallium Aluminum Arsenide Red Light Emitting Diode.

Package Dimensions



- 1 : ANODE RED
2 : COMMON CATHODE
3 : ANODE GREEN



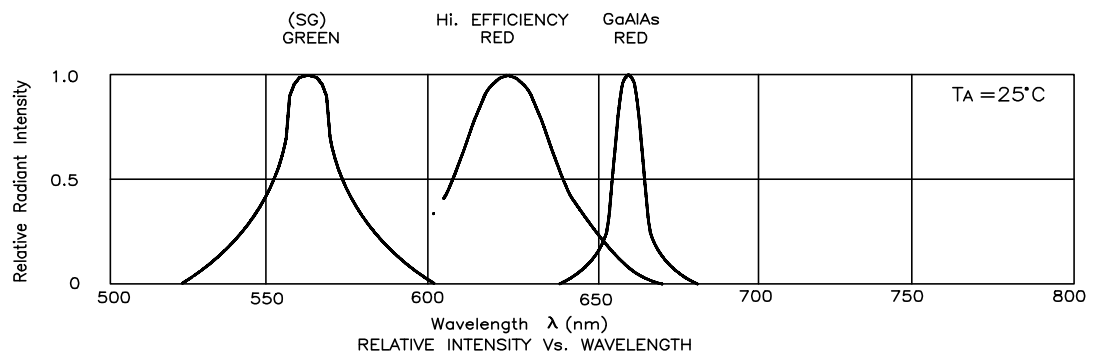
- Notes:
1. All dimensions are in millimeters (inches).
2. Tolerance is $\pm 0.25(0.01")$ unless otherwise noted.
3. Lead spacing is measured where the lead emerge package.
4. Specifications are subjected to change without notice.

Selection Guide

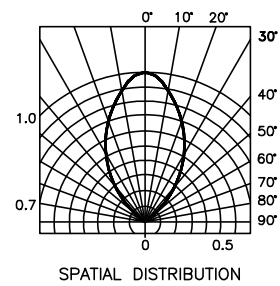
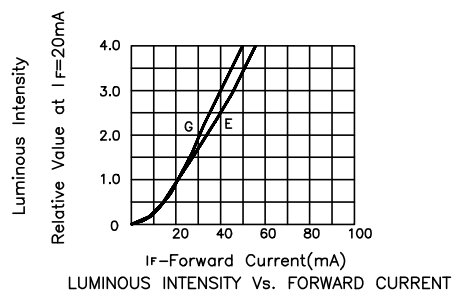
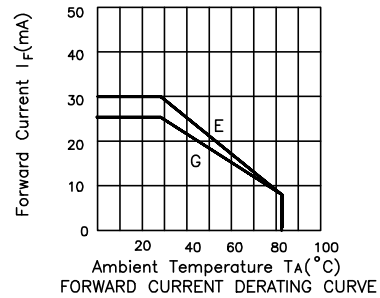
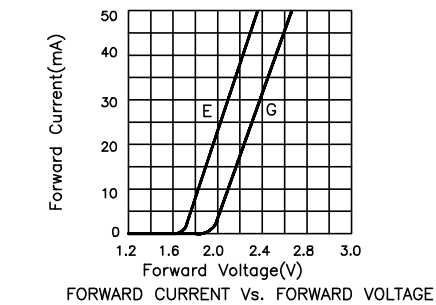
Part No.	Dice	Lens Type	Iv (mcd) @ 20 mA		Viewing Angle 2 θ 1/2
			Min.	Max.	
L-3WEGW	HIGH EFFICIENCY RED (GaAsP/GaP)	WHITE DIFFUSED	12.5	50	60°
	GREEN (GaP)		12.5	50	
L-3WSRSGW-CC	SUPER BRIGHT RED (GaAlAs)	WHITE DIFFUSED	90	300	60°
	SUPER BRIGHT GREEN (GaP)		12.5	50	

Note:
1. θ 1/2 is the angle from optical centerline where the luminous intensity is 1/2 the optical centerline value.

Symbol	Parameter	Device	Typ.	Max.	Units	Test Conditions
	Peak Wavelength	High Efficiency Red Green Super Bright Red Super Bright Green	625 565 660 565		nm	IF=20mA
	Spectral Line Halfwidth	High Efficiency Red Green Super Bright Red Super Bright Green	45 30 20 30		nm	IF=20mA
	Capacitance	High Efficiency Red Green Super Bright Red Super Bright Green	12 45 95 45		pF	VF=0V;f=1MHz
	Forward Voltage	High Efficiency Red Green Super Bright Red Super Bright Green	2.0 2.2 1.85 2.2	2.5 2.5 2.5 2.5	V	IF=20mA
	Reverse Current	All	10		uA	VR = 5V



High Efficiency Red / Green L-3WEGW



Super Bright Red / Super Bright Green L-3WSRSGW-CC

