

# L2XR3000 Series

## T1 3mm Bi-Colour



### Features:

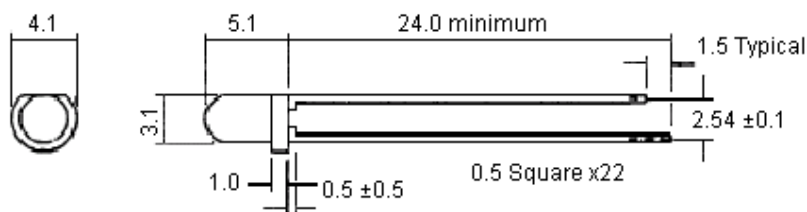
- Bicolour LEDs have two diodes connected in inverse parallel.
- AC operation gives a third intermediate colour, example: red + green gives orange.
- High light output and uniform match for two colours.
- Low current requirements.
- Reliable and rugged.
- IC compatible.

### Recommended Maximum Ratings:

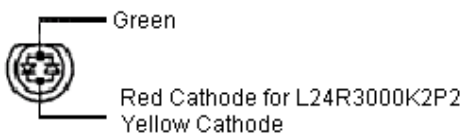
Reverse voltage	5.0V
DC forward current	30mA
Pulse current (10% duty cycle 0.1ms pulse width)	100mA
Operating temperature range	-25°C to +85°C
Storage temperature range	-25°C to +100°C
Lead soldering temperature (1.6mm from body)	+260°C for 5 seconds

( $T_A = 25^\circ\text{C}$ )

### Package Dimensions



Dimensions : Millimetres



Length = 5.1, Diameter = 3.1L  
Lead pitch = 2.54, Leads = 22 x 0.5sq.  
Green cathode identified by flat on body and shorter lead.

1. Tolerance is  $\pm 0.25\text{mm}$  unless otherwise stated.
2. An epoxy meniscus may extend about 1.0mm down the leads.
3. Burr around bottom of epoxy body may be 0.5mm maximum.

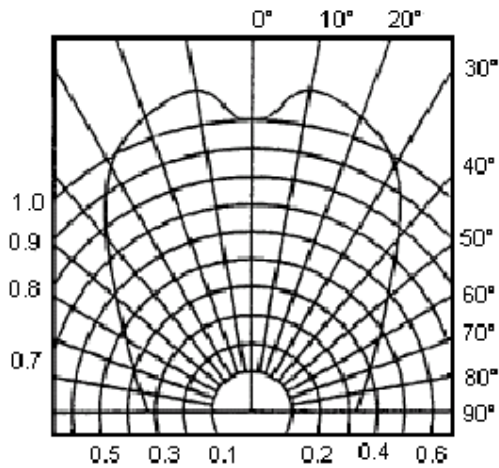


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### Radiation Pattern



### Electrical and Optical Characteristics at $T_a = 25^\circ\text{C}$

LED Chip Emitting Colour		Lens Colour	Peak Wavelength at 20mA (nm)		Forward Voltage at 20mA (V)				Luminous Intensity at 20mA (mcd)		$I_F$ Maximum (mA)	View Angle $2\theta_{1/2}$ (Deg)	Part Number
					Typical	Maximum	Typical	Maximum	Typical	Typical			
Green	Orange	White Diffused	567	635	2.1	3.0	2.1	3.0	8.3	9.7	25	118	L24R3000K2P2
	Yellow			585						7.0			L23R3000K2P2



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### Notes:

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