

# Bi-Colour LED Lamp

## Yellow/Green



RoHS  
Compliant



### Specifications:

Dice Material : GaAsP on GaP/GaP  
 Emitted Colour : Yellow/Green  
 Lens Colour : White Diffused  
 Peak Wavelength : 587/568nm  
 Viewing Angle : 120°  
 Luminous Intensity (IV) : 3.2/3.1mcd

### Electrical / Optical Characteristics at T<sub>A</sub> = 25°C

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test
Luminous Intensity	IV	1.5/1.4	3.2/3.1	5/4.9	mcd	IF = 20mA
Viewing Angle	2θ 1/2	-	120	-	Degrees	
Peak Emission Wavelength	λ <sub>p</sub>	-	587/568	-	nm	-
Dominant Wavelength	λ <sub>D</sub>	-	590/570	-		-
Spectral Line Half-width	Δλ	-	35/30	-		-
Forward Voltage	V <sub>F</sub>	1.7/1.7	2.1/2.1	2.6/2.6	V	IF = 20mA
Power Dissipation	P <sub>d</sub>	-	-	85	mW	-
Peak Forward Current (Duty 1/10 at 1kHz)	IF (Peak)	-	-	100	mA	-
Recommended Operating Current	IF (Rec)	-	20	-		-

### Absolute Maximum Ratings T<sub>A</sub> = 25°C

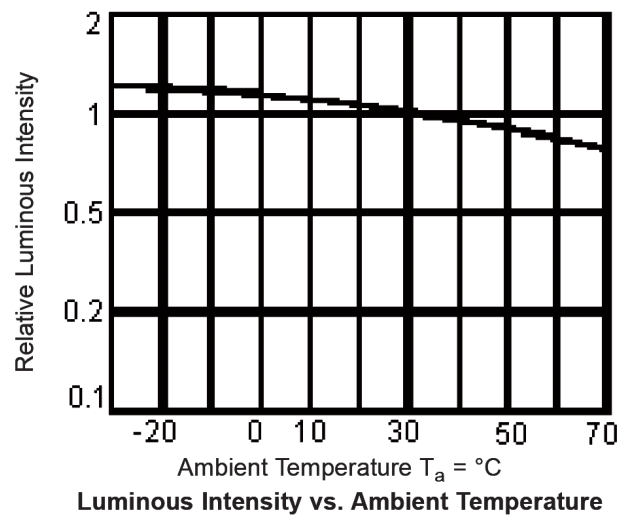
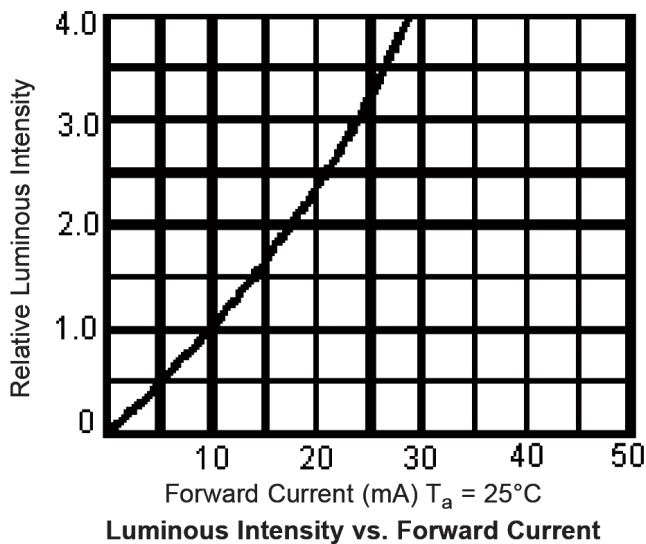
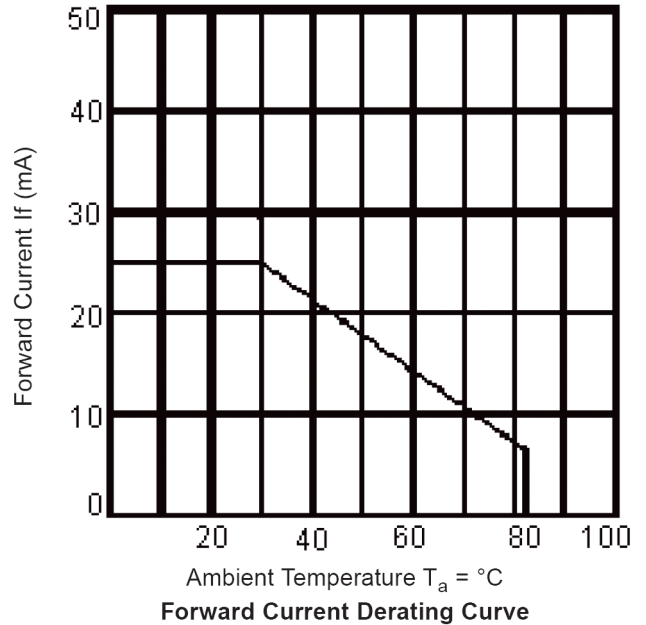
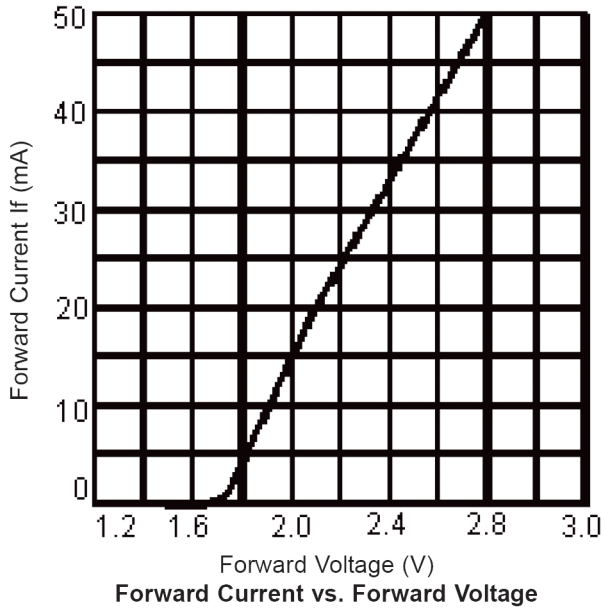
Reverse Voltage	5V
Reverse Current	10μA (V <sub>R</sub> = 5V)
Operating Temperature Range	-40°C to +85°C
Storage Temperature Range	-40°C to +100°C
Lead Soldering Temperature Range [1.6mm (1/16 inch) from body]	260°C for 5 Seconds

# Bi-Colour LED Lamp

## Yellow/Green

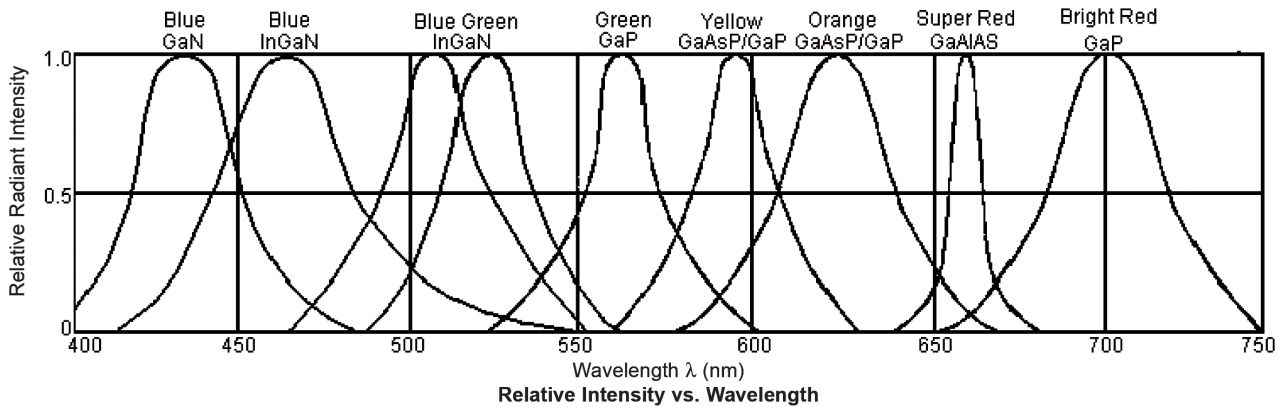


Yellow (GaAsP/GaP  $\lambda_P = 587\text{nm}$ )

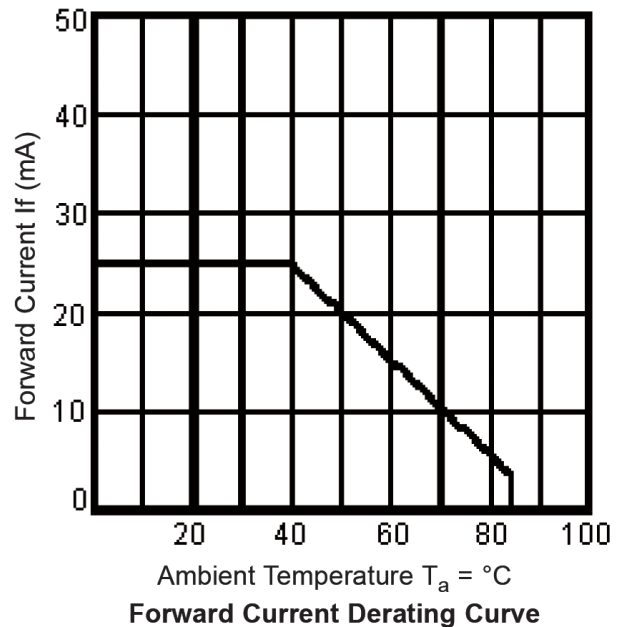
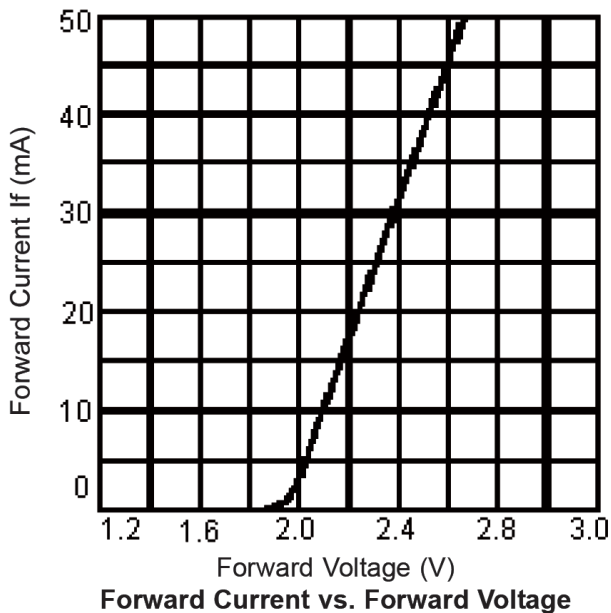


# Bi-Colour LED Lamp

## Yellow/Green



### Green (GaP $\lambda_P = 568\text{nm}$ )

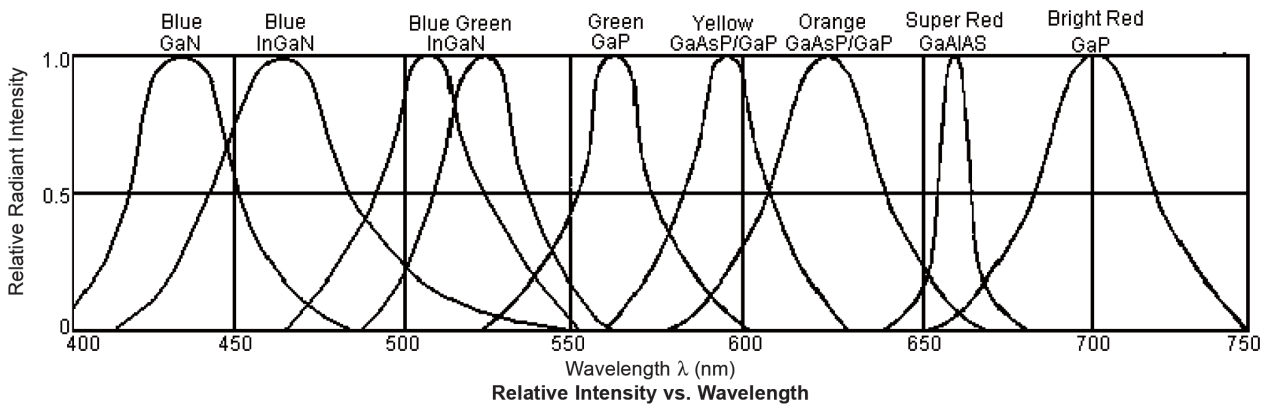
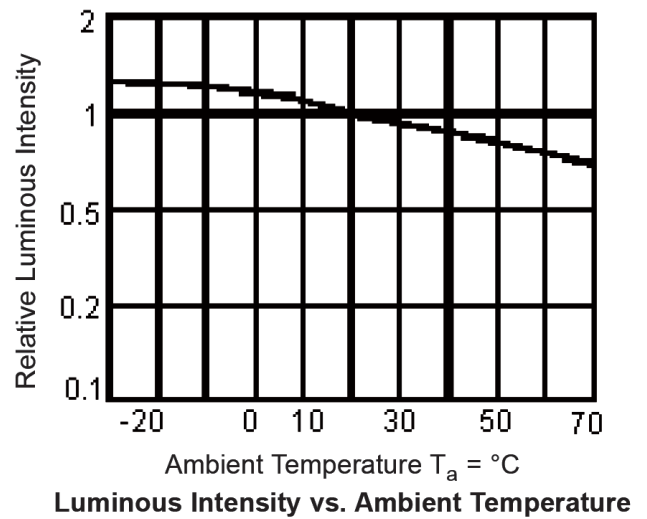
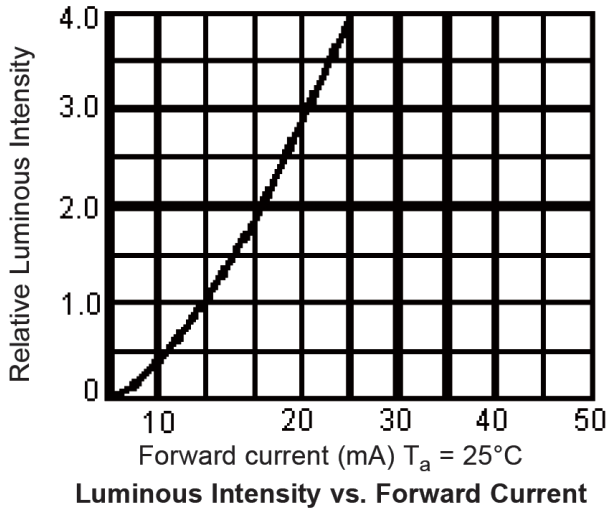


# Bi-Colour LED Lamp

## Yellow/Green

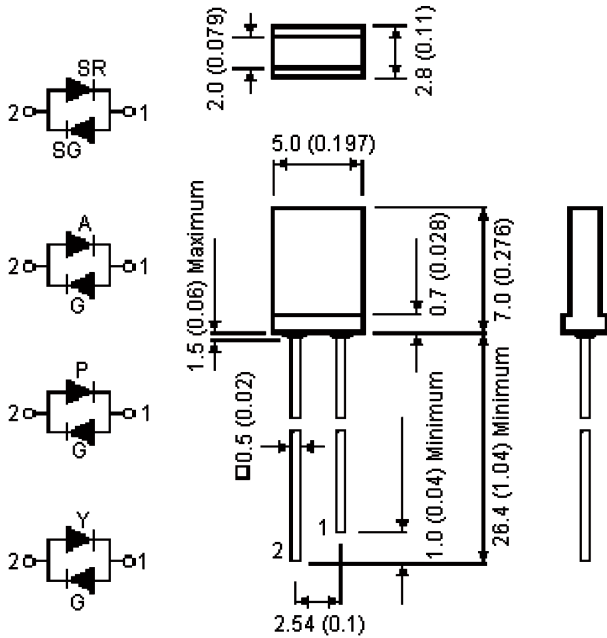


Green (GaP  $\lambda_P = 568\text{nm}$ )



# Bi-Colour LED Lamp

## Yellow/Green



Dimensions : Millimetres (Inches)

### Part Number Table

Description	Part Number
LED, 2mm × 5mm × 7mm, AC, Yellow/Green	MCL236YGW

**Important Notice :** This data sheet and its contents (the "Information") belong to the members of the Premier Farnell group of companies (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. Multicomp is the registered trademark of the Group. © Premier Farnell plc 2012.

www.element14.com  
 www.farnell.com  
 www.newark.com

