

# Tower LED

## Yellow, 1.8mm



### Specifications:

Dice material	: GaAsP on GaP
Emitted colour	: Yellow
Lens colour	: Yellow Diffused
Peak wavelength	: 587nm
Viewing angle	: 70°
Luminous intensity (IV)	: 6mcd

### 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

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

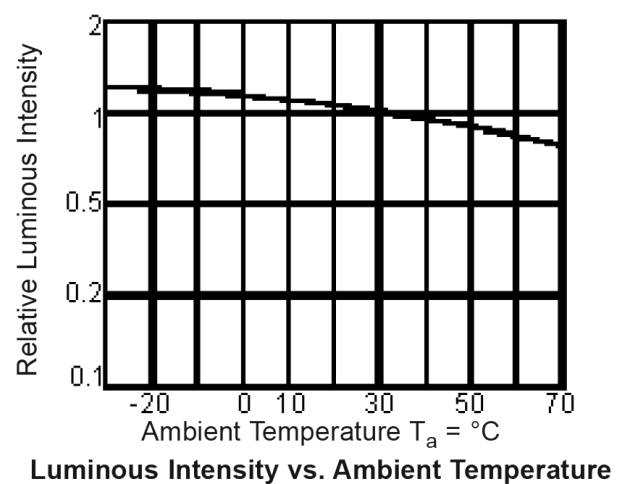
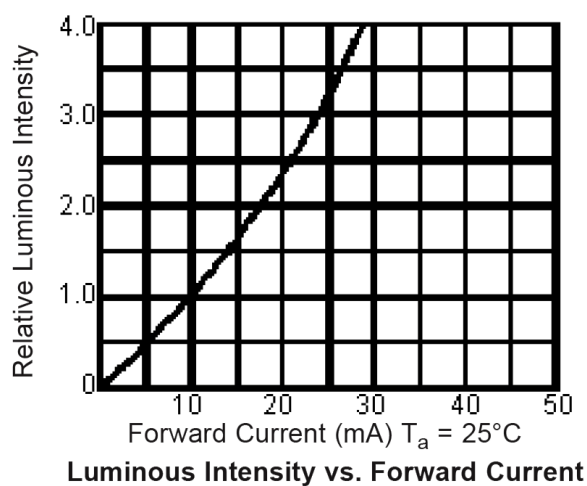
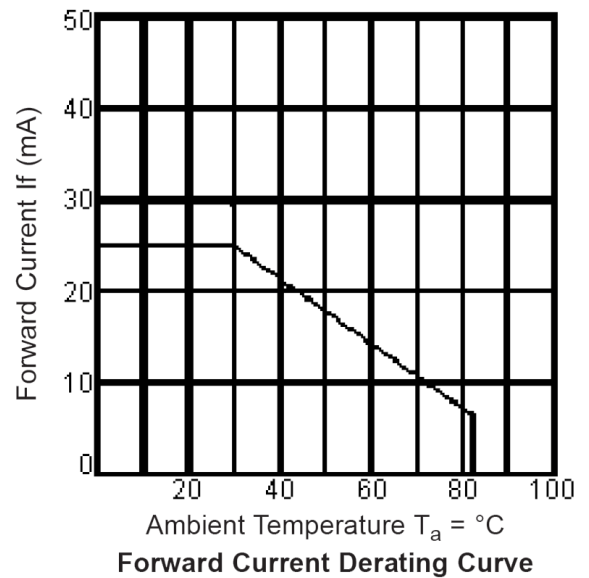
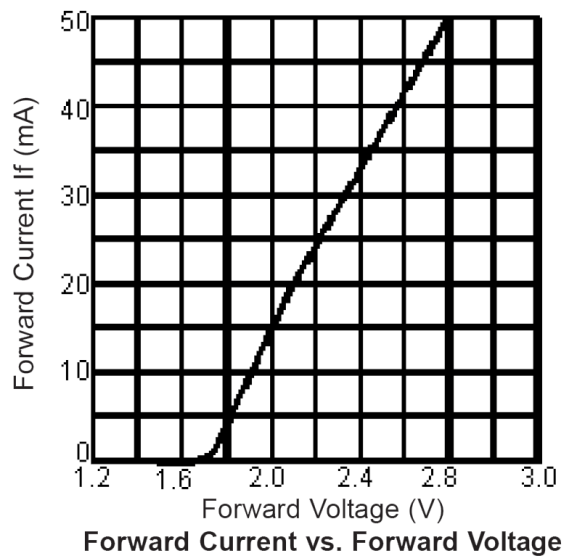
Parameter	Symbol	Minimum	Typical	Maximum	Unit	Test
Luminous Intensity	IV	2.8	6	8.8	mcd	IF = 20mA
Viewing Angle	2θ 1/2	-	70	-	degrees	
Peak Emission Wavelength	λP	-	587	-	nm	-
Dominant Wavelength	λD	-	590	-		-
Spectral Line Half-Width	Δλ	-	35	-		-
Forward Voltage	VF	1.7	2.1	2.6	V	IF = 20mA
Power Dissipation	Pd	-	-	85	-	-
Peak Forward Current (Duty 1/10 at 1KHz)	IF (Peak)	-	-	100	-	-
Recommended Operating Current	IF (Rec)	-	20	-	mA	-

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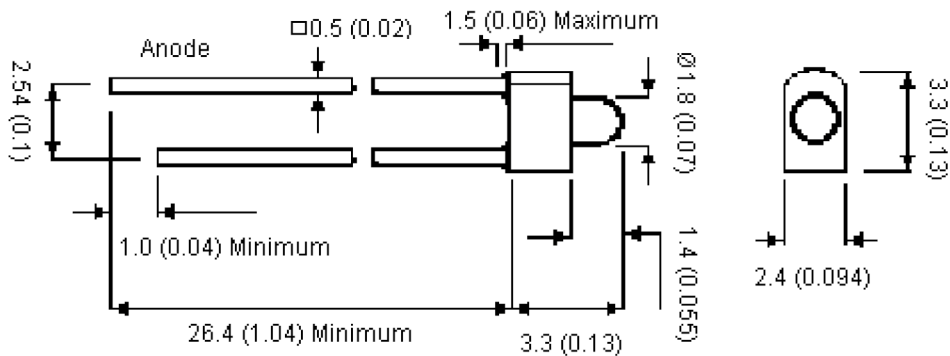
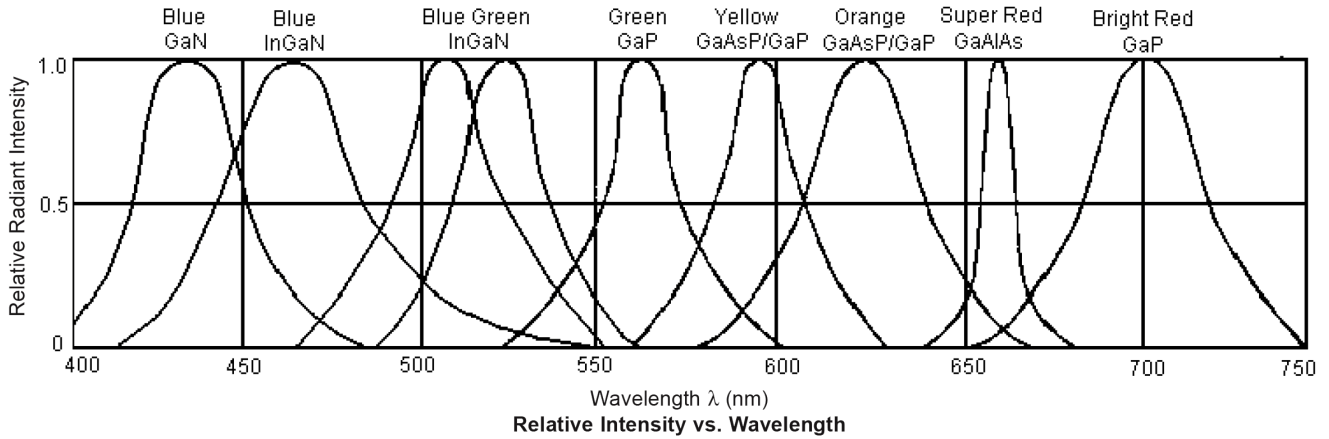


Yellow (GaAsP/GaP  $\lambda_P = 587\text{nm}$ )



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Dimensions : Millimetres (Inches)

### Part Number Table

Description	Part Number
LED, 1.8mm, 76°, Yellow	MCL914YD

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