

# 3mm (T-1) Round LED Lamp

## Ultra Yellow



**RoHS  
Compliant**



### Specifications:

Dice Material	: AlInGaP
Emitted Colour	: Ultra Yellow
Lens Colour	: Water Clear
Peak Wavelength	: 590nm
Viewing Angle	: 30 Deg.
Luminous Intensity (IV)	: 6500mcd

### Absolute Maximum Ratings (T<sub>a</sub> = 25°C)

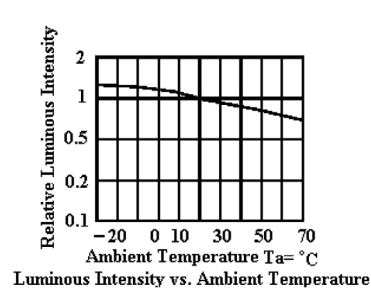
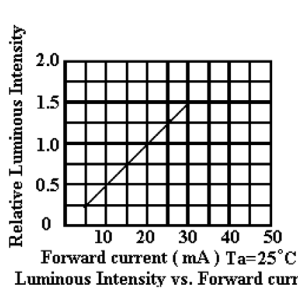
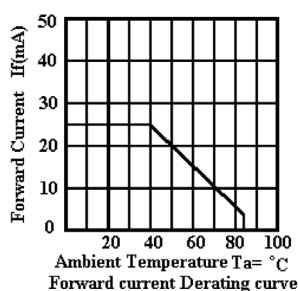
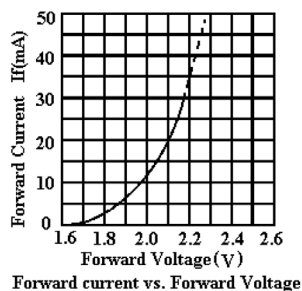
Reverse Voltage	5 Volt
Reverse Current	10µA (V <sub>R</sub> = 5V)
Operating Temperature Range	-40°C to +85°C
Storage Temperature Range	-40°C to +100°C
Lead Soldering Temperature Range 1.6mm (1/16 inch) from body	260°C for 5 Seconds

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

Parameter	Symbol	Minimum	Typical	Maximum	Unit	Test
Luminous Intensity	IV	5000	6500	8500	mcd	IF = 20mA
Viewing Angle	2θ 1/2		30		Degrees	
Peak Emission Wavelength	λP		590		nm	
Dominant Wavelength	λD	588	592	595		
Spectral Line Half-Width	Δλ		22			
Forward Voltage	VF	1.7	2.1	2.6	V	IF = 20mA
Power Dissipation	Pd			85	mW	
Peak Forward Current (Duty 1/10 at 1kHz)	IF (Peak)			100	mA	
Recommended Operating Current	IF (Rec)		20		mA	

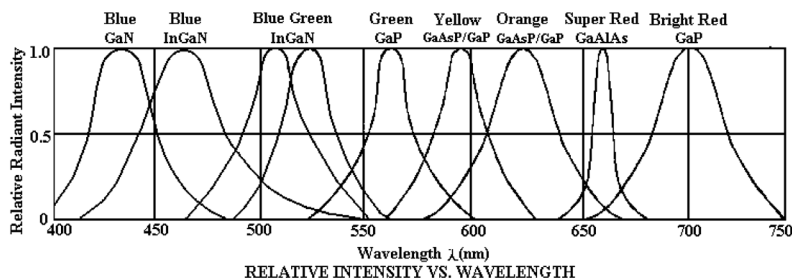
### Typical Electro-Optical Characteristics Curves

Ultra Yellow (AlInGaP λP = 590nm)

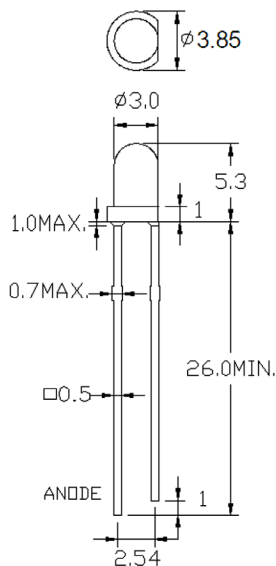


# 3mm (T-1) Round LED Lamp

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### Diagram



Dimensions : Millimetres

### Part Number Table

Description	Part Number
3mm (T-1) Round LED Lamp, Ultra Yellow Water Clear, 30°	MC011364

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