

# 3mm (T-1) Round LED Lamp Ultra Yellow

**multicomp** PRO

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

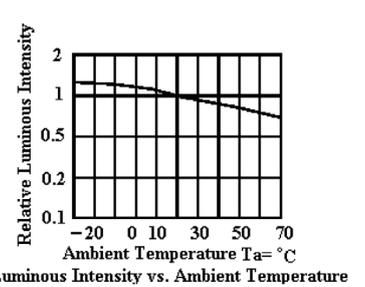
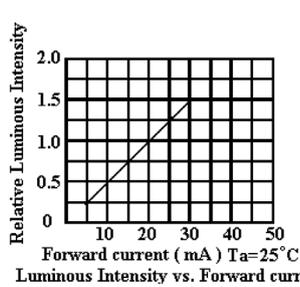
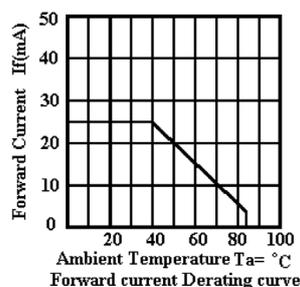
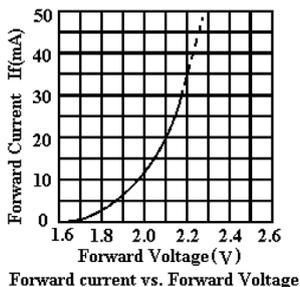
Reverse Voltage	5 Volt
Reverse Current	10 $\mu$ A ( $V_R = 5V$ )
Operating Temperature Range	-40 $^\circ\text{C}$ to +85 $^\circ\text{C}$
Storage Temperature Range	-40 $^\circ\text{C}$ to +100 $^\circ\text{C}$
Lead Soldering Temperature Range 1.6mm (1/16 inch) from body	260 $^\circ\text{C}$ for 5 Seconds

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

Parameter	Symbol	Minimum	Typical	Maximum	Unit	Test
Luminous Intensity	IV	5000	6500	8500	mcd	IF = 20mA
Viewing Angle	2 $\theta$ 1/2		30		Degrees	
Peak Emission Wavelength	$\lambda_P$		590		nm	
Dominant Wavelength	$\lambda_D$	588	592	595		
Spectral Line Half-Width	$\Delta\lambda$		22			
Forward Voltage	V <sub>F</sub>	1.7	2.1	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		mA	

## Typical Electro-Optical Characteristics Curves

Ultra Yellow (AlInGaP  $\lambda_P = 590\text{nm}$ )

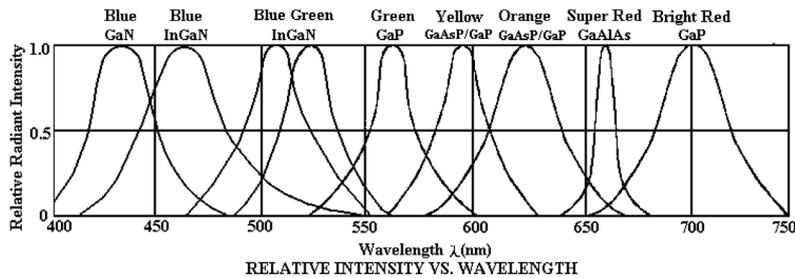


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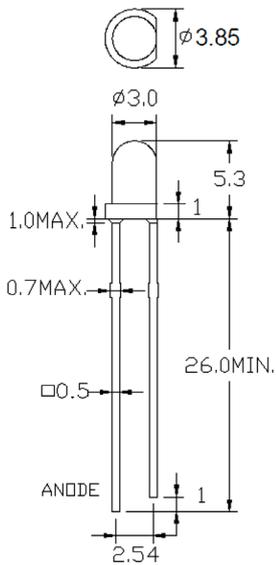
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## Diagram



Dimensions : Millimetres

## Part Number Table

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

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