



# LT0333-41-UC9T

## 3.0MM ROUND LAMP

### Features

- \* LOW CURRENT REQUIREMENTS
- \* HIGH LIGHT OUTPUT
- \* RELIABLE AND RUGGEN
- \* IC COMPATIBLE

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

REVERSE VOLTAGE (<100 $\mu$ A).....	4.0 V
D.C. FORWARD CURRENT.....	30 mA
PULSE CURRENT (1/10 DUTY CYCLE,0.1 ms PULSE WIDTH).....	100 mA
OPERATING TEMPERATURE RANGE.....	-25°C TO +85°C
STORAGE TEMPERATURE RANGE.....	-25°C TO +100°C
LEAD SOLDERING TEMP. (1.6mm FROM BODY).....	260°C FOR 5 SEC.

### Electrical/optical characteristics at T<sub>A</sub>=25°C

PART NUMBER	LED CHIP		LENS COLOR	WAVELENGTH TYP. I <sub>F</sub> @20mA (nm)		FORWARD VOLTAGE @20mA(V)		LUMINOUS INTENSITY @20mA(mcd)		VIEW ANGLE 2 $\theta$ <sup>1/2</sup> (deg)
	MATERIAL	EMITTING COLOR		$\lambda$ p	$\lambda$ d	TYP.	MAX.	MIN.	TYP.	
LT0333-41-UC9T	AlGaInP	YELLOW	W.C.	592±5	590±5	2.2	2.8	1000	1800	30

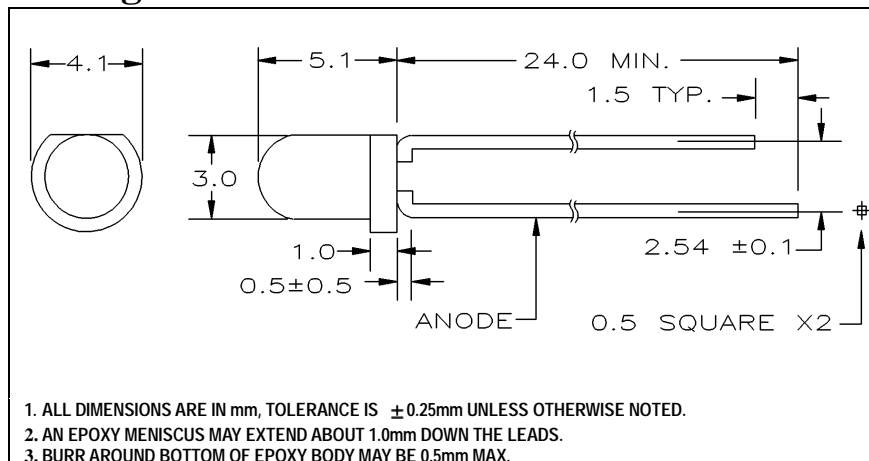
(1) LENS COLOR

W.C.....WATER CLEAR

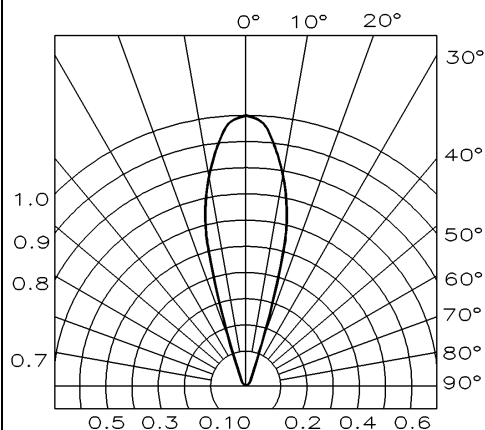
(2) SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

(3) ALL ABOVE COMPONENTS ARE CONSIDERED. DEVIATIONS FROM STATED SPECIFICATIONS WILL REQUIRE A NEW PART NUMBER BE ASSIGNED.

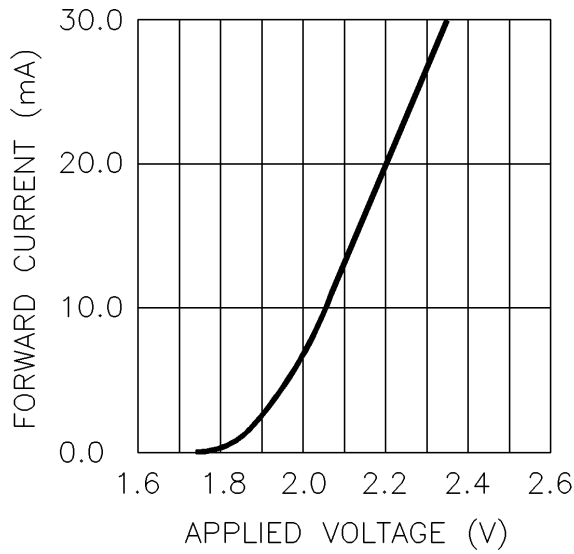
### Package Dimensions



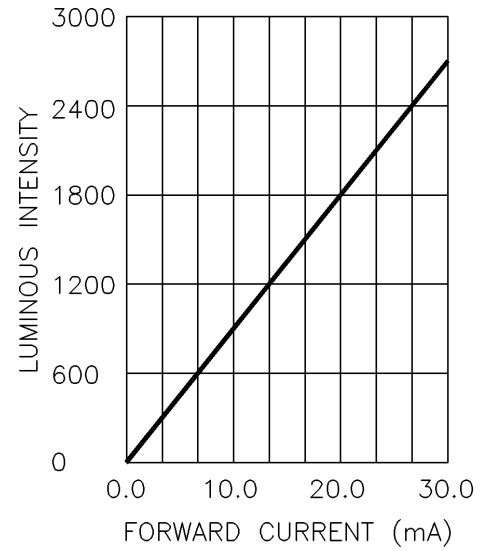
### Radiation Pattern



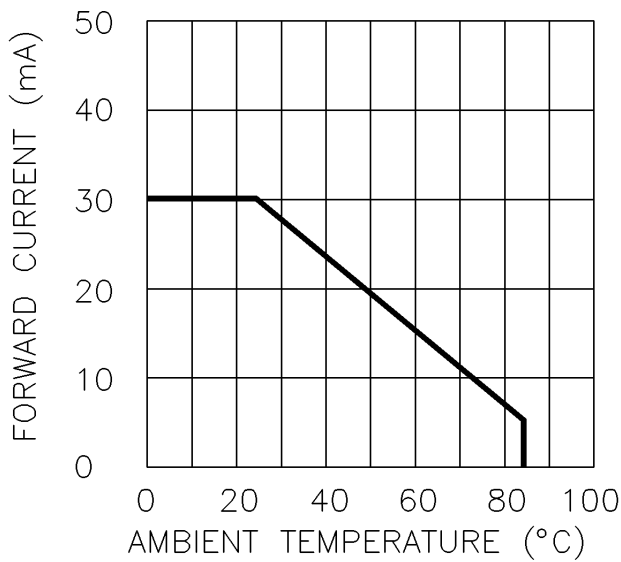
**Forward Current vs. Applied Voltage**



**Luminous Intensity vs. Forward Current**



**Forward Current vs. Ambient Temperature**



**Relative Intensity vs. Wavelength**

