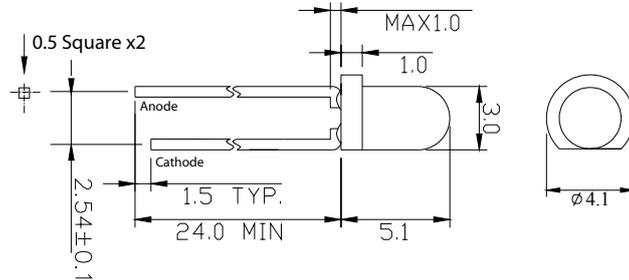


## 3.0mm Round LED Lamp

### OVL-33 Series

#### Features:

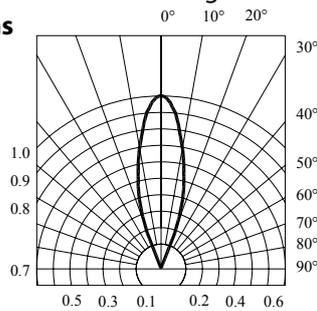
- Standard 3mm round package
- High luminous output
- Water clear lens



### Maximum Ratings at Ta=25°C

Reverse Voltage (<math>< 100 \mu A</math>)	5.0V
D.C. Forward Current	30mA
Pulse Current (Pulse Width of 0.1ms, 1/10 Duty Cycle)	100mA
Operating Temperature Range	-25 to +85°C
Storage Temperature Range	-40 to +100°C
Soldering Temperature Dip Soldering	260°C for 5 secs
Soldering Temperature Hand Soldering	350°C for 3 secs

### Radiation Diagrams



### Electrical & Optical Characteristics at Ta=25°C

Ant Part No.	LED Chip			Lens Colour	Dominant Wavelength (nm) at 20mA	Luminous Intensity (mcd) at 20mA		Forward Voltage (V) at 20mA		Viewing Angle 2 $\theta^{1/2}$ (deg)
	Material	Emitted Colour	Brightness			min.	typ.	typ.	max.	
OVL-3323	InGaN / Sapphire	Blue	Mega	Water Clear	465	700	1700	3.2	4.0	30
OVL-3324	InGaN / Sapphire	True Green	Mega	Water Clear	520	1950	5000	3.2	4.0	30
OVL-3328	AlGaInP/Si	Red	Mega	Water Clear	625	2000	5500	2.1	2.6	30
OVL-3326	AlGaInP/Si	Yellow	Mega	Water Clear	589	2000	5000	2.1	2.5	30

Ant Part No.	LED Chip			Lens Colour	Co-Ordinates for CIE Chromaticity at 20mA		Luminous Intensity (mcd) at 20mA		Forward Voltage (V) at 20mA		Viewing Angle 2 $\theta^{1/2}$ (deg)
	Material	Emitted Colour	Brightness		X Axis	Y Axis	min.	typ.	typ.	max.	
OVL-3321	InGaN/Sapphire	White	Mega	Water Clear	0.31	0.30	2750	8000	3.2	4.0	30

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