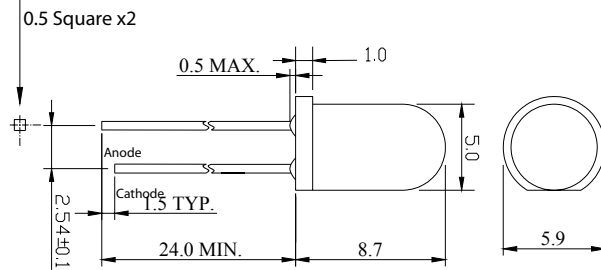


## 5.0mm Round LED Lamp

### OVL-55 Series

#### Features:

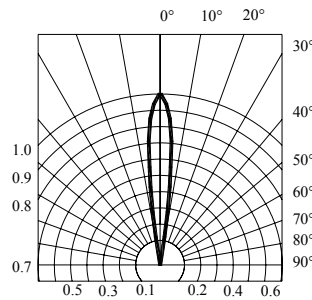
- Standard 5mm round package
- High luminous output
- Water clear lens



### Maximum Ratings at Ta=25°C

Reverse Voltage (<100 μA)	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 2θ <sup>1/2</sup> (deg)
	Material	Emitted Colour	Brightness			min.	typ.	typ.	max.	
OVL-5523	InGaN / Sapphire	Blue	Mega	Water Clear	465	1950	4300	3.2	4.0	15
OVL-5524	InGaN / Sapphire	True Green	Mega	Water Clear	520	4800	13000	3.2	4.0	15
OVL-5528	A1GaInP/Si	Red	Mega	Water Clear	625	4290	7500	2.1	2.6	15
OVL-5526	A1GaInP/Si	Yellow	Mega	Water Clear	589	4200	10000	2.1	2.5	15

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 2θ <sup>1/2</sup> (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	8500	18000	3.2	4.0	15

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