

Round Green LED Lamp (3mm)

OVL6CB8



Absolute Maximum Ratings

T_A = 25°C unless otherwise noted

Storage Temperature Range	-40 ~ +100 °C
Operating Temperature Range	-40 ~ +95 °C
Reverse Voltage	5 V
Continuous Forward Current	25 mA
Peak Forward Current (10% Duty Cycle, 1KHz)	100 mA
Power Dissipation	105 mW
Lead Soldering Temperature (3mm from the base of the epoxy bulb) ¹	260 °C

Note:

- Solder time less than 3 seconds at temperature extreme.

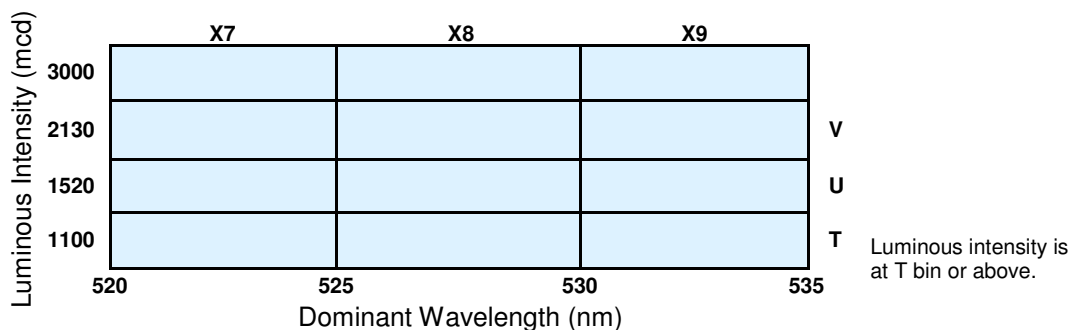
Electrical Characteristics

T_A = 25°C unless otherwise noted

SYMBOL	PARAMETER	MIN	TYP	MAX	UNITS	CONDITIONS
I _v	Luminous Intensity	1100	2000	----	mcd	I _F = 20mA
V _F	Forward Voltage	----	3.6	4.2	V	I _F = 20mA
V _F	Forward Voltage	1.7	----	2.5	V	I _F = 1.0μA
I _R	Reverse Current	----	----	100	μA	V _R = 5V
λ _D	Dominant Wavelength	520	527	535	nm	I _F = 20mA
2Θ _{1/2} H-H	50% Power Angle	----	65	----	deg	I _F = 20mA

Standard Bins (I_F = 20mA)

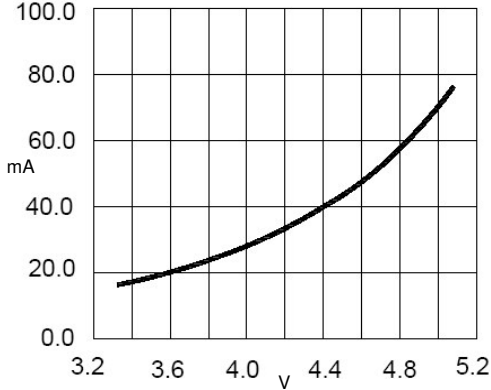
Lamps are sorted to luminous intensity (I_v) and dominant wavelength (λ_D) bins shown. Orders for OVL6CB8 may be filled with any or all bins contained as below.



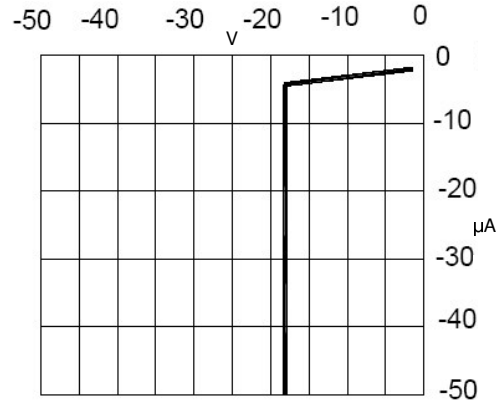
Important Notes:

- All ranks will be included per delivery, rank ratio will be based on the chip distribution.
- To designate luminous intensity ranks, please contact OPTEK.
- Pb content <1000PPM.

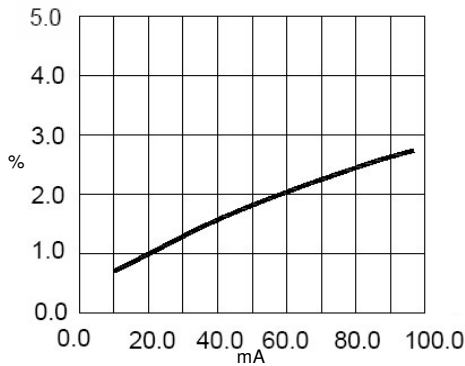
Typical Electro-Optical Characteristics Curves



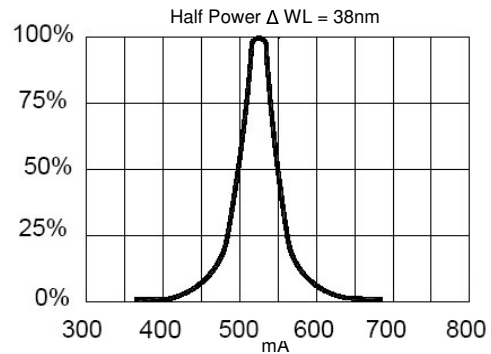
Forward Current vs. Forward Voltage



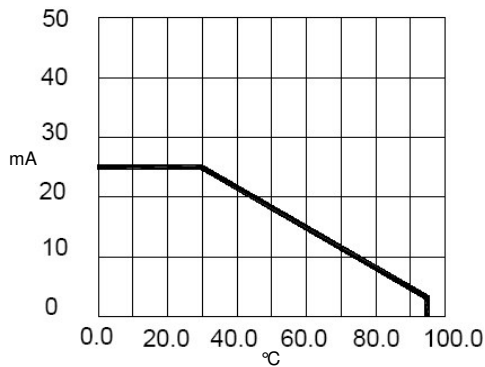
Reverse Current vs. Reverse Voltage



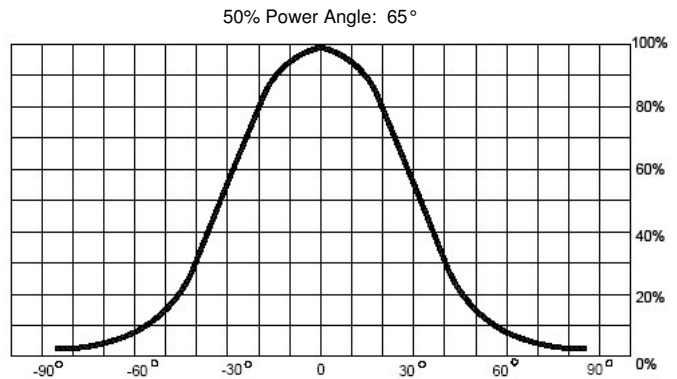
Relative Luminous Intensity vs. Forward Current



Relative Luminous Intensity vs. Wavelength



Maximum Forward DC Current vs. Ambient Temperature



Far Field Pattern

