

Ver. 1.1 17.Dec.01

Features of this light source

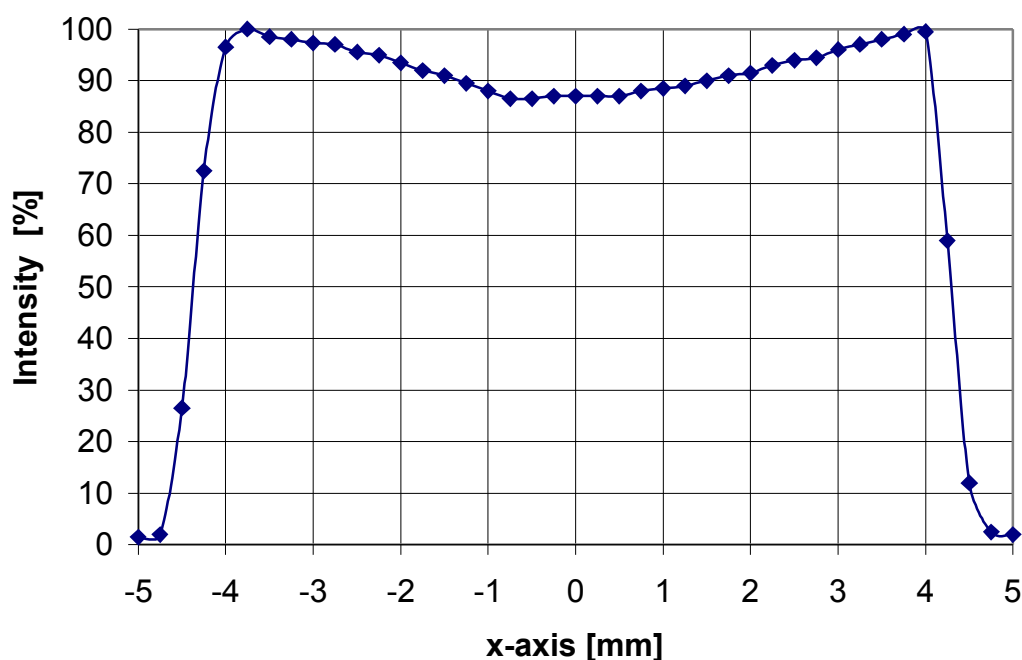
- High operating temperature up to 125°C available
- Large useable spot diameter of 9mm
- Ultra collimated beam, divergence max. $\pm 0,5^\circ$

Applications :

- High resolution optical encoders, linear or rotary
- Light source for precision optical measurements
- Long range light barriers
- Metrological measurement instruments



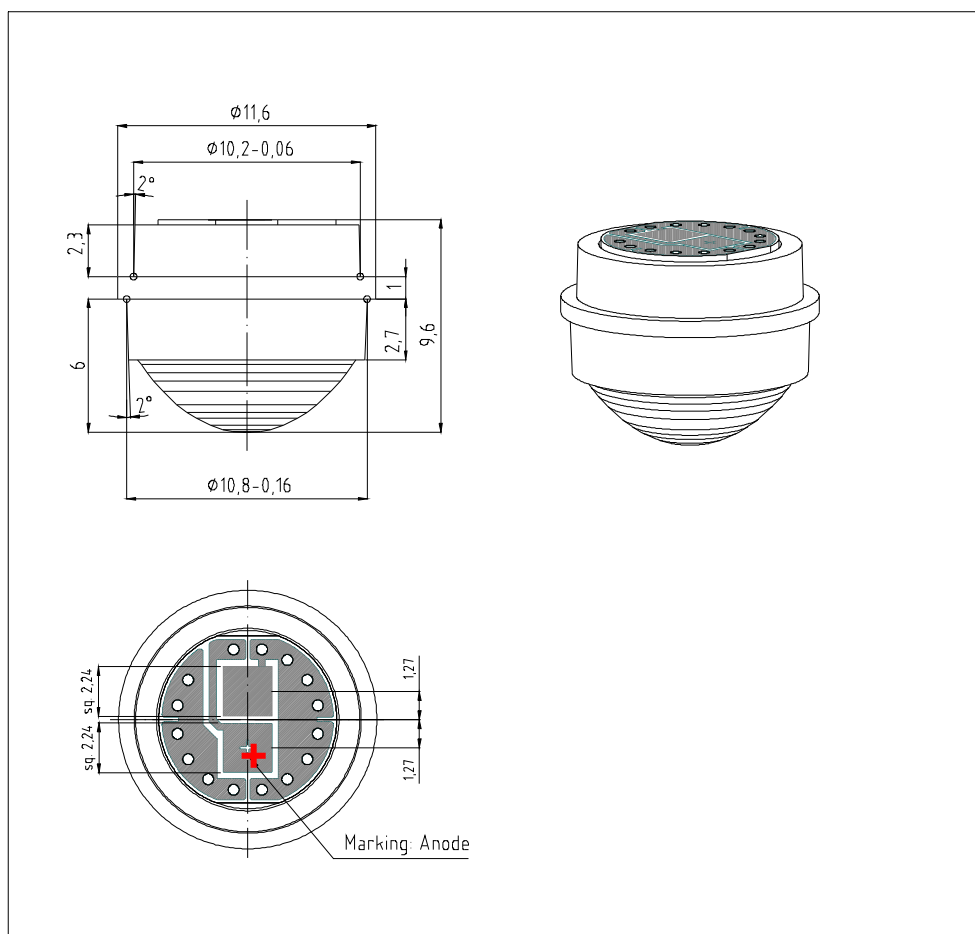
Description	Min.	Typ.	Max.	Unit
Operating and storage temperature, T_a , T_{stg} OL8800	-25		+85	°C
Operating and storage temperature, T_a , T_{stg} OL8800-HT	-55		+125	° C
Reverse breakdown voltage (10 μ A), V_R	5			V
Solder temperature (15sec.), T_{SOL}			235	° C
Wavelength (20 mA, λ_{peak})		885		nm
Active area of illumination at 5mm distance (85%level); $\varnothing$	8,6	8,8	9,0	mm
Supply Current			50	mA
Optical power output, I_f 50mA		3,2		mW
Forward Voltage , $I_F = 20$ mA		2,6	3,0	V



Electrical connections:

Anode: marked +

Mechanical dimensions:



Spot image

