

## Coated lens

Clear Magic is an ultra-low-absorption lens with a coating transparent to visible light. The coating allows beams



from helium-neon lasers to be seen on the workpiece, while polarizing filters help to detect thermally induced stress. It is available in 1.5 and 2 in. diameters for most popular OEM systems.

**Ophir Optronics CO<sub>2</sub> Optics Group,**  
Jerusalem, Israel  
Co2@ophiropt.com

## Rod-type fiber

The DC-200-85-Yb-ROD is an ytterbium-doped rod for use in output stages of amplifier chains for pulsed laser amplification. The fiber has a 65  $\mu\text{m}$  mode-field-diameter ytterbium core. The 200  $\mu\text{m}$  pump core diameter accepts pump light at numerical aperture values up to 0.54 for pumping at 915 or 976 nm. Pump absorption is 30 dB/m for 976 nm pumping.  
**NKT Photonics, Birkerød, Denmark**  
www.nktphotonics.com

## Diffuser lenses

Injection-molded light-shaping diffuser lenses for LEDs are available in custom sizes and shapes in a variety of symmetrical and asymmetrical beam angles, suitable for recessed downlights as well as parabolic aluminized and multifaceted reflector lamp for-

# VCSEL

## The Next Generation of High-Power Lasers

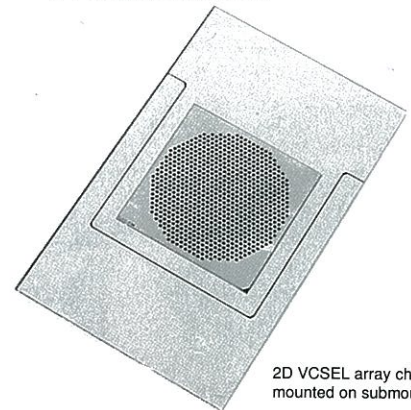
www.princetonoptronics.com

### New products:

- 40, 60, 100W VCSEL arrays at 808nm & 976nm
- Conduction cooled 6W & 15W arrays
- Fiber-pigtailed 50W modules
- Single-mode 1064nm seed laser (400mW) for DPSS and fiber-lasers
- Single-mode low-noise 1064nm laser (-170dB/Hz @ 1GHz)

### Benefits:

- Vertical-cavity surface-emitting laser (VCSEL) technology
- 2D arrays for simple packaging
- Very high reliability (FIT-1)
- High temperature operation (>50°C)
- Excellent wavelength stability (<0.07nm/°C) and narrow spectrum (FWHM <1nm)
- Circular, low-divergence beam
- High reflected-light tolerance
- Single longitudinal mode



2D VCSEL array chip mounted on submount

### Applications:

- Solid-state laser pumping
- Medical
- Printing
- Fiber seed lasers
- Individually addressable arrays

### Other Products:

- Ultra-low noise lasers
- Fiber lasers
- High brightness illuminators



sales@princetonoptronics.com  
(609) 584-9696 ext. 107  
www.princetonoptronics.com

Since 1993  
Top Quality  
Prototype to  
Production  
Quick Delivery  
Great Prices



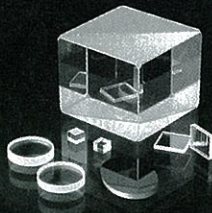
ISO9001 Certified

When you say 'Jump', we take it very, very seriously

# ARGYLE

The American Corporation with its own factory in China

Light Pipes  
Lenses  
Prisms  
Windows  
Mirrors  
IR-VIS-UV  
Assemblies



Argyle International Inc.  
254 Wall Street, Princeton, NJ 08540  
Tel: 609-924-9484 Fax: 609-924-2679  
www.ArgyleOptics.com

# Diode Laser Module

- ▶ 532-980nm
- ▶ APC control
- ▶ Power variable
- ▶ Focus adjustable
- ▶ Modulated module



## ELECTRON

ELECTRON CO., LTD.

phone : 886-2-25700493 fax : 886-2-25775557  
email : sales@electronlaser.com