



## Diode Laser

Max. output power: **500 milliwatts** (0.5 watt)

Wavelength: **400-700 nanometers** (visible light)

Min. divergence: **0.5 milliradian**

Output: **Continuous (CW)**

Laser hazard classification: **Class 3B, "Warning"**

# Laser Safety Facts



## Laser hazards

### Eye injury from beam

Do not look into the direct or reflected beam; can cause eye injury up to 1,050 ft (320 m) away.

### Visual interference (glare) with pilots and drivers

Interferes with vision up to 4.4 miles (7.1 km) away. Can be a distraction up to 44 miles (71 km) away. **NEVER point any laser towards aircraft or vehicles; it is unsafe and illegal.**

### Skin heating & materials damage

Do not keep beam on skin or materials at close range. Higher-powered Class 3B lasers may cause heat damage or burns.

## Safe use guidance

This is a medium-powered laser that should be used with caution. Always be aware of the beam's location.

### Not a laser pointer

This laser is not intended for pointing applications. Use a Class 2 (less than 1 mW) or 3R (less than 5 mW) laser for pointing.

### Children and teen safety

**This is not a toy.** Do not permit children to use this laser. Supervise teenagers at all times, to avoid hazardous misuse.

### Laser safety eyewear

Laser safety eyewear is suggested for 3B lasers above roughly 50 milliwatts. Select eyewear that has an Optical Density of 2.8 or higher, at the laser's wavelength. Other use situations may require different OD's; consult a Laser Safety Officer.

### Additional safety information online

Scan the QR code above, or visit [LaserSafety.info/3B](http://LaserSafety.info/3B)

**Manufacturer:** [Insert manufacturer name, address, country of origin or import, contact info such as website or phone number; optional UL or similar listing. Text font is Franklin Gothic Book; boldface is Franklin Gothic Demi.]