

# MLD Specifications

## (Mechanical specifications)

Weight with bracket (MBN06) and power supply "W": .120Lbs ( .055 Kg )  
Length: 60 mm  
Diameter: 12mm  
Housing material: Anodized aluminum  
Bracket material: Aluminium and Metal

## (Optical specifications)

Output power: 1, 5 and 10 mW  
Wavelength: 650 nm  
Intensity distribution: Gaussian  
Fan angles: 45° (Standard model) 10, 20, and 45° are also available.  
Diffraction patterns (cross line, circles, multidots, target are also available on special order)  
Bore sighting: <1 mrad

## (Environmental specifications)

Operating temperature: 50°F to 95°F / 10°C to 35°C  
Wave length drift: 0.25 nm / °C typical

## (Electrical specifications)

Primary voltage: Wall mount transformer 120VAC 60hz

## (Other specifications)

Warranty: 6 months limited warranty

## Optional

5 VDC with or without connector (need regulated power supply, OEM only)  
12 VDC (cigarette lighter)  
Battery pack  
European wall mount adapter  
240 V adapter  
9 to 78 volt with optional regulator box

### Laser and eyes safety

Laser products manufactured by FP Industries comply with 21 CFR 1040.10 and 1040.11 except for deviations pursuant to Laser Notice No. 50, dated July 26, 2001.

**CAUTION** – use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

Always use caution when working with or around lasers and wear appropriate eye protection.

All of our products fall into one of the following classes:

#### Class II – Caution

Visible laser light of lower than 1.0 mW. Considered eye-safe, normal exposure to this type of beam will not cause permanent damage to the retina. When exposed to this level of laser light, the blinking reflex of the human eye is fast enough to avoid any damage. A Class II safety rating is considered eye-safe, but can be hazardous if there is direct long-term ocular exposure (> 1000 seconds). Any Class II – rated laser product can be installed on the shop floor with a minimum of concerns. A warning logotype is affixed to each laser product, according to its class and wavelength.



#### Class IIIa – Danger

Visible laser light between 1.0 and 5.0 mW. Considered eye-safe with caution, but may present a greater hazard if viewed using collecting optics. Focusing of this light into the eye could cause eye damage. A warning logotype is affixed to each laser product, according to its class and wavelength. For the user safety and to avoid risks of eye injury, you should position the laser in such a way that the laser beam does not cross the operators working area. Appropriate laser warning signs should be placed in the working area to warn workers and visitors of the presence of lasers.

