

MLG Specifications

(Mechanical specifications)

Weight with bracket and power supply "W":	500 grams
Length:	21 cm
Height:	10 cm
Thickness:	5.05 cm
Housing material:	Aluminium
Bracket material:	Aluminium and stainless
Driver unit	Outside of the laser (9.5 x 5 x 3.2 mm)

(Optical specifications)

Output power:	10 or 20 mW
Wavelength:	532 nm
Intensity distribution:	Uniform (non-gaussian)
Fan angles:	20°, 60° or 90°
Bore sighting:	<5 mrad

(Environmental specifications)

Operating temperature:	-4°F to 113°F / -20°C to 45°C (Protect the casing of the laser against sunrays)
Over and under temperature protection	Integrated automatic system
Warm up time:	10 minutes (It will take 10 minutes for the laser light to stabilize its power. During that period, the power of the laser might vary.)
Automatic shut off after 9 hours	Integrated automatic system

(Electrical specifications)

Primary voltage:	120 VAC 60hz
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(Other specifications)

Warranty:	Lifetime warranty on casing and mounting bracket 24 months warranty on electronic components
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Optional

9 to 24VDC, connector, 220 to 550Vac, European outlet

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.

