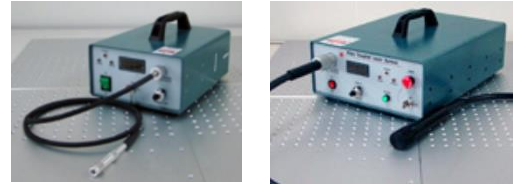




# Fiber Coupled Flat-Top Beam Laser System EEDL Series

Data Sheet



## Overview

The EEDL series is a line of fiber coupled flat-top beam/non-gaussian lasers that features flat beam profile and even energy distribution spot. The laser series is widely used in medical treatment, ultraviolet curing, fluorescence detection, criminal investigation, and scientific research.

## Features

- Available wavelengths: 405nm, 445nm, 457nm, 473nm, 515nm, 532nm, 635nm, 650nm, 670nm, 810nm, 940nm, 980nm, and 1064nm
- CW operating mode
- Optical output power 1000mW to 10000mW
- Flat-top even beam distribution beam
- Ultra-compact design

## Applications

- Medical treatment
- Ultraviolet curing
- Fluorescence detection
- Criminal investigation
- Scientific research

**EEDL Series Laser Specifications**

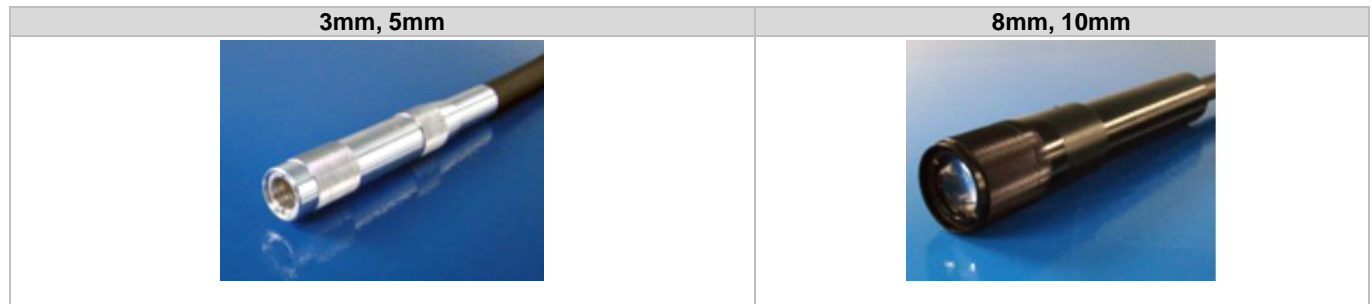
Parameter	EEDL532	
Wavelength	532 nm	
Operating mode	CW	
Power before fiber	>2 W, >3 W, >5 W	>6 W, >8 W, >10 W
Beam distribution	Uniform speckle-free illumination	
Power stability (rms, over 4 hours)	<5%, <3%, <2%, <1%	
Standard fiber	Armored 1.5m	
Beam diameter at aperture	3mm, 5mm, 8mm, 10mm	
Fiber collimator	Adjustable focus	
Beam size with collimator	20 cm beam diameter at 50 cm location	
Output power	0-100%, adjustable by knob	
LED display	Diode current	
Input power	90-264VAC, 50 to 60Hz	
Cooling method	Air cooled	
Operating temperature	10-40°C	
Modulation option	TTL/Analog: 1Hz-1kHz, 1kHz-10kHz	
Expected lifetime	10,000 hours	
Warranty period	10 months	

Remarks:

- Specifications of the CW laser is based on the laser performance at full power output after the specified warmup period. The stability of output power may change when output power is adjusted at a different power level.

**Accessories**

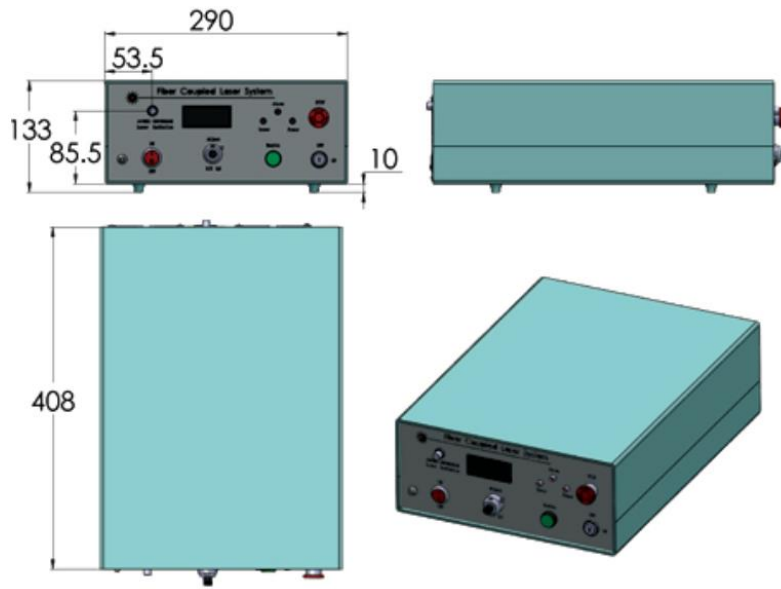
**Fiber Collimator with Adjustable Focus**



EEDL Series Laser Dimensions

Unit: mm

EEDL Series (5W-10W)



Parameter	2-5W	5-10W
Dimensions	207x281x110 mm <sup>3</sup>	290x408x133 mm <sup>3</sup>

**Ordering Information**

For more information, please contact Lasermate directly at [sales@lasermate.com](mailto:sales@lasermate.com).

Part Number Configuration EEDL[1][2][3][4][5]					
EEDL = Laser Model Series	[1] = Wavelength	[2] = Output Power	[3] = Power Stability	[4] = Beam Diameter	[5] = Modulation
	405= 405nm 445= 445nm 457= 457nm 473= 473nm 515= 515nm 532= 532nm 635= 635nm 650= 650nm 670= 670nm 810= 810nm 940= 940nm 980= 980nm	2W= >2W 3W= >3W 5W= >5W 6W= >6W 8W= >8W 10W= >10W	A= <5% E= <3% 2= <2% D= <1%	3= 3mm 5= 5mm 8= 8mm 10= 10mm	0=None T1=TTL 1Hz-1kHz T2=TTL 1kHz-10kHz A1=Analog 1Hz-1kHz A2=Analog 1kHz-10kHz

Note: The above specifications are subject to change without notice.