



FLC1000

Laser Diode System with Fiber Output

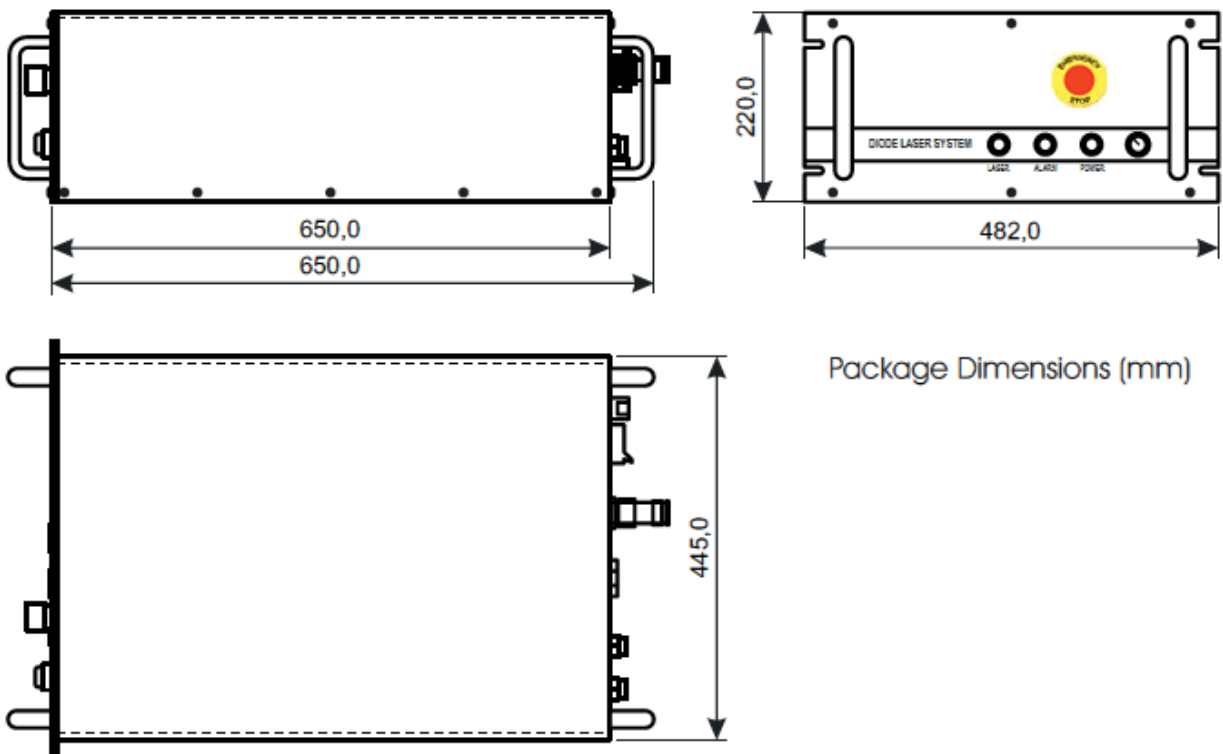
Optical Data	
Output Power (W)	1000
Operation Mode	CW or Modulated
Center wavelength λ (nm)	9xx
Tolerance of λ (nm)	± 10
Output Power Stability (over 2 hours at 25°C)	<2%
Output Power Tunability	10% - 100%
Modulation Frequency (kHz)	20
Polarization State	Random
Fiber Data	
Core Diameter	300 μm
N.A.	≤ 0.22
Fiber Length	
Connector	QBH
Aiming Beam	Yes (red)
Electrical Characteristics	
Operation Voltage (V)	220 \pm 20 (1 phase) AC, PE, 50Hz or 60Hz
Power Consumption (kW)	3.0 (at nom. Power)
Interface	Software, RS232, AD control
Chiller	
Required Cooling Capacity (kW)	2.5
Water Flow Rate (l/min)	81
Water Pressure (MPa)	0.25
Diameter of Cooling Tubes (mm)	12

Temperature Conditions	
Operation Temperature (°C)	10 - 45
Storage Temperature (°C)	5 - 65
Humidity	max. 75% @ 25°C (non-condensing)
Protection Rating	IP54

Mechanical	
Housing Dimensions (mm)	710 x 482 x 220* (LxWxH)
Weight (kg)	40

* 5U

Package Drawing



Package Dimensions (mm)

Front View



Applications

- Cladding
- Welding
- Heat Treatment