



Turnkey Laser Diode Light Source



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Turnkey Laser Light Source

Description

These fiber-coupled turnkey laser-diode light sources are designed to simplify the implementation of laser sources in a wide range of applications. All lasers at 980, 1310, 1480, 1550, and 1650 nm are TE cooled with hermetic seal. All other lasers are equipped with cooling fans. Fiber coupled DPSS Nd:YAG lasers (532 and 1064 nm) can be made with much higher power output (non-adjustable).

Princetel offers light sources over the entire wavelength range of laser diodes and beyond. Customers are also welcome to provide their own lasers for fiber coupling. The lasers feature bright displays, quiet operation, and compact package. Multimode and PM fiber based models for all wavelengths are also available. Check out our polarization rotatable light source for applications where rotating SOP is important.

Specification

Wavelength	532-1650 nm (see code for details)
Optical power output (SM)	>0 dBm
Optical power output (MM)	>3 dBm
Optical power stability	<0.05 dB* (8 hrs after 30 min. warm up)
Operating temperature	0 to 50 C
Storage temperature	-20 to 80 C
Humidity tolerance	<95 RH non condensing
Power requirement	110/220 V, 60/50 Hz
Package Material	Aluminum
Fiber type	Singlemode, PM, multimode, or plastic
Connector type	FC/PC for FP, FC/APC for DFB lasers
Dimensions (lxwxh)	197 x 163 x 58 mm
Weight	1.3 kg
Optical power adjustment	Front panel knob
Display	Optical output(mW) except 532 & 1064nm
Certificate	CE
External modulation	Call

* For 1310 and 1550 nm models only.

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