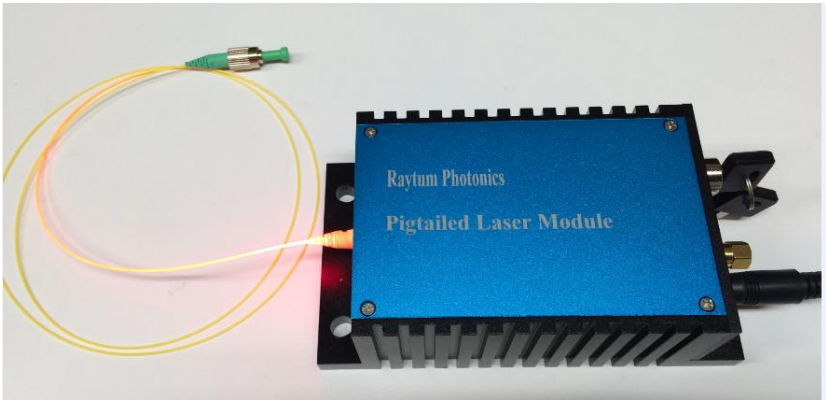
Q-Light-PLS



Ultra-stable Fiber-Coupled Laser Sources

Raytum Photonics' Fiber-Coupled Laser Sources are high-performance bench-top laser diode sources offering excellent stability with wavelength from visible to near-IR. The integrated, high-current TEC element can provide excellent temperature regulation and stability to the laser diode. The laser diode is pigtailed to a single mode fiber and also found on the front panel is an on/off key, an enable button, a knob to adjust the laser power (drive current). The back panel includes a BNC input that allows the laser diode drive current to be controlled via an external voltage source (0 - 5 V) and a remote interlock input. This input enables intensity modulation of the laser source. The back panel also features a remote interlock input (2.5 mm mono jack) for added safety.

- The long term power stability is rms <0.5% over 24 hrs, and short term stability is rms < 0.1% over 1 hr.
- Lifetime of diode laser module is more than 10,000 hours.
- Water-cooled and air-cooled models available.

The *Q-light-PLS* series is designed and manufactured to meet custom high-performance and high-reliability requirements for scientific research, amplifier seeding, material spectroscopy, medical, and Defense market segments.

Optical Performance with Available Wavelength

Wavelength (nm)	Power (mW)	Delivery Fiber
405	10	Single Mode
450	15	Single Mode
450	1600	Multimode
462	1000	Multimode
473	6	Single Mode
488	20	Single Mode
520	15	Single Mode
520	100	Multimode
633	50	Single Mode
637	70	Single Mode
642	20	Single Mode (PM)
658	40	Single Mode
670	10	Single Mode
685	15	Single Mode
705	15	Single Mode
780	15	Single Mode
785	250	Single Mode (or PM)
808	250	Single Mode
820	80	Single Mode
830	350	Single Mode
852	350	Single Mode

* Other wavelengths also available. Contact us for the availability and price.