

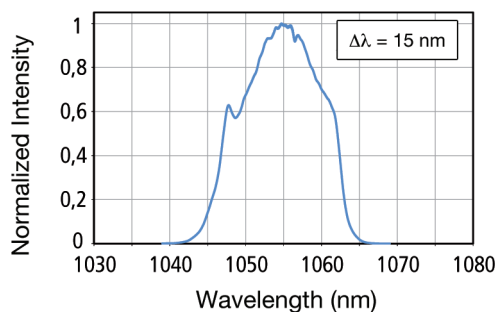
o-Light: 1054 nm Femtosecond Fiber Laser



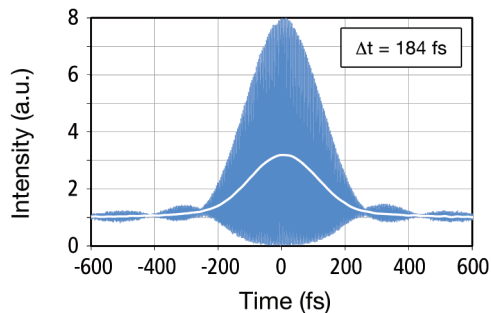
The o-Light is a fiber coupled femtosecond fiber oscillator on Menlo Systems' industrial platform. It is a robust turnkey system based on ytterbium-doped fibers. The o-Light oscillator has been designed for seeding Yb-based fiber and solid state amplifiers with multi μJ pulse energies.

The control unit is integrated into the laser housing, making the o-Light a compact and cost-efficient solution ideal for OEM integration. This 50 MHz repetition rate laser is designed for 24/7 operation.

Optical Spectrum



Pulse Width After Compression



Features

- Turnkey Operation, Self-Starting Laser Configuration
- Compact Size
- Integrated Control Unit (12 V Power Supply Required)
- Voltage Signal Based Remote Operation
- Temperature Stabilization
- Maintenance Free
- 50 MHz Repetition Rate

Applications

- Amplifier Seeding
- OEM Integration
- Ultrafast Spectroscopy
- Material Characterization
- Bioimaging
- Cell Manipulation

Specifications

Central Wavelength	1054 nm*
Spectral Bandwidth (FWHM)	>12 nm
Average Output Power	>10 mW
Pulse Duration	Several ps; Compressible to < 250 fs
Repetition Rate	50 MHz \pm 1 MHz
Output Port Configuration	Fiber-Coupled (FC/APC), PM980 2 m Fiber Patch Cord**; Linearly Polarized

*Customer Specific Center Wavelength on Request

**Included

ITEM #	\$	£	€	RMB	DESCRIPTION
o-Light			CALL		Mode-Locked Ytterbium-Doped Fiber Oscillator, >10 mW at 50 MHz

For local and updated pricing, please call Menlo Systems, Inc. in North America 973-300-4490, Menlo Systems GmbH in Europe +49-89-189-1660, or Thorlabs Japan, Inc. in Asia +81-3-5979-8889, or email sales@menlosystems.com.