

Coherent® OBIS™ FP 1193827 | 445nm LX 45mW Laser, Fiber Pigtail, FC

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Coherent® High Performance OBIS™ Fiber-Pigtailed Laser Systems



Stock #88-029 [CONTACT US](#)

- 1 + €9.320⁰⁰

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Volume Pricing

Qty 1+	€9.320,00 each
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Prices shown are exclusive of VAT/local taxes

Product Downloads



General

Warm-Up Time (minutes):
<5

Fiber Cable Type:
3mm Mono-Coil

Manufacturer:
Coherent®

Diode	Type of Laser:
IIIb	Laser Class - CDRH:
1193827	Model Number:

Optical Properties

100:1	Polarization:
TEM ₀₀	Spatial Mode:
445.00 ±5	Wavelength (nm):
≤1.1	Mode Quality, M²:
Blue	Color:
0.05	Fiber Numerical Aperture NA (1/e²):

Electrical

45	Output Power (mW):
<2	Power Stability (%):
Digital: 150	Modulation Frequency (MHz):
Analog: 500	Modulation Frequency (kHz):
≤0.2% (20Hz to 20MHz)	RMS Noise:

Hardware & Interface Connectivity

Power Supply Required and Sold Separately. USA: #87-473 Europe: #87-473 Japan: #87-473 Korea: #87-473 China: #87-473	Power Supply:
FC/APC; 8° angled	Output from Fiber:
Fiber-Coupled	Output Type:

Environmental & Durability Factors

10 to 50	Operating Temperature (°C):
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Regulatory Compliance

Compliant	RoHS 2015:
View	Certificate of Conformance:

Product Details

A power supply is required for operation and sold separately. OBIS remote is required for CDRH certified systems. The OBIS heat sink is recommended.

- High Performance OBIS™ LXLS Lasers with Added Fiber Optic Capability
- Permanent Fiber Attachment Extends Lifetime with Guaranteed Power
- Single-Mode Polarization-Maintaining Fiber with an FC/APC Connector Provide High-Quality and Low-Noise Laser Beam Output
- [Coherent® High Performance OBIS™ LXLS Laser Systems](#) Also Available

Coherent® High Performance OBIS™ LXLS Fiber-Pigtailed Laser Systems are plug-and-play lasers available in wavelengths from the ultraviolet to the near-infrared with an added fiber attachment. The fiber optic is permanently attached to the laser, providing an extended lifetime of the fiber and guaranteed power consistency. An FC/APC connector terminates the fiber to enable connections to other systems without concern for high noise interference. Coherent® High Performance OBIS™ LXLS Fiber-Pigtailed Laser Systems produce high-quality, low-noise laser beams and also allow for hands-free operation. These fiber-pigtailed lasers are used in confocal microscopy, DNA sequencing, polymerase chain reaction (PCR) diagnostic instruments, flow cytometry, medical imaging, and instrumentation applications.

OBIS Laser System Startup Guide

This downloadable PDF provides guidance on interfacing with OBIS controllers and power supplies, mounting and connecting the heatsink, and starting modulation.

[Download Startup Guide](#)

