

Sapphire 488nm, 300mW LPX CDRH Laser Head

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Stock #70-117 **1 In Stock**

⊖ 1 ⊕ £7,639²⁰

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Qty 1+	£7,639.20 each
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ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

General

<5	Warm-Up Time (minutes):
Coherent®	Manufacturer:
Solid State	Type of Laser:
IIIb	Laser Class - CDRH:

1416013

Model Number:

Physical & Mechanical Properties

Pointing Stability after Warm Up (mrad/°C):
<5

Pointing Stability (μrad):
<30

Optical Properties

Spatial Mode:
TEM₀₀

Wavelength (nm):
488.00

Mode Quality, M²:
<1.1

Beam Diameter Tolerance (mm):
±0.05

Beam Diameter (mm):
0.70

Beam Divergence (mrad):
Full Angle: <1.2

Color:
Blue

Electrical

Output Power (mW):
300

Power Stability (%):
<2

RMS Noise:
≤0.25% (20Hz to 20MHz)

Hardware & Interface Connectivity

Power Supply:
Power Supply Required and Sold Separately.
USA: [#70-123](#)
Europe: [#70-123](#)
Japan: [#70-123](#)
Korea: [#70-123](#)
China: [#70-123](#)

Output Type:
Free Space

Environmental & Durability Factors

Operating Temperature (°C):
10 to 40

Regulatory Compliance

Certificate of Conformance:
[View](#)

Product Details

- Output Powers up to 500mW
- 300mW and 500mW Output Powers
- 488, 532, and 561nm Wavelength Options

Coherent® Sapphire™ LPX Laser Systems utilize Coherent®'s unique OPSL (Optically Pumped Semiconductor Laser) technology to provide a series of CW, higher power, compact lasers. Available with 488, 532, and 561nm wavelength options, these lasers provide a high-quality diffraction limited output beam and are assembled with Coherent®'s excellent pointing stability of <30 μrad. Flexible remote-control options for USB, RS-232, and analog connection all provide control options via the relevant ports on the CDRH laser controller. Coherent® Sapphire™ LPX Laser Systems are ideal for applications that require an ultra-narrow linewidth such as Raman spectroscopy, interferometry, holography, metrology, and inspection. These lasers require [#70-123](#) Sapphire LPX CDRH Controller for power and control, sold separately.