

# 40mW 320nm OBIS XT

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## Product Downloads

### General

**Warm-Up Time (minutes):**  
<5

**Manufacturer:**  
Coherent®

**Type of Laser:**  
Diode Pumped Solid State

**Laser Class - CDRH:**  
IIIb

**Model Number:**  
1371111

### Physical & Mechanical Properties

125.0 x 70.0 x 36.5	<b>Dimensions (mm):</b>
450	<b>Weight (g):</b>
<5	<b>Pointing Stability (<math>\mu\text{rad}/^\circ\text{C}</math>):</b>
<30	<b>Pointing Stability (<math>\mu\text{rad}</math>):</b>

## Optical Properties

100:1	<b>Polarization:</b>
TEM <sub>00</sub>	<b>Spatial Mode:</b>
319.80	<b>Wavelength (nm):</b>
$\leq 1.1$	<b>Mode Quality, M<sup>2</sup>:</b>
$\pm 0.05$	<b>Beam Diameter Tolerance (mm):</b>
0.7	<b>Beam Diameter (mm):</b>
Full-Angle: <0.7	<b>Beam Divergence (mrad):</b>
UV	<b>Color:</b>

## Electrical

40	<b>Output Power (mW):</b>
$\leq 0.25\%$ (20Hz to 20MHz)	<b>RMS Noise:</b>

## Hardware & Interface Connectivity

Free Space	<b>Output Type:</b>
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## Environmental & Durability Factors

+10 to +35	<b>Operating Temperature (<math>^\circ\text{C}</math>):</b>
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## Regulatory Compliance

<a href="#">View</a>	<b>Certificate of Conformance:</b>
Germany	<b>Country of Origin:</b>
Edmund Optics India Private Limited 267, Greystone Building, Second Floor, 6th Cross Rd, Binnamangala, Stage 1, Indiranagar, Bengaluru, Karnataka, India 560038 Phone: +91- 80-6845 0000	<b>Imported By:</b>

## Product Details

- Compact, Thermally Efficient Design for Ease of Life Science System Integration
- 320, 349, and 640nm Wavelength Options Available
- Integrated Controller with RS-232, RS-485, and USB Interfaces

Coherent OBIS XT Laser Systems offer an advanced extension of the [OBIS LS/LX](#), delivering powerful performance across ultraviolet and visible wavelengths. These lasers are available in UV wavelengths of 320 and 349nm, with output power options ranging from 20 to 150mW, and a higher-power 640nm wavelength option with output powers of 400 or 500mW. Flexible communication interfaces, including RS-232, RS-485, and USB, allow for seamless integration and real-time control in complex applications. Coherent OBIS XT Laser Systems are designed to simplify system integration, utilizing their compact form factor, integrated controller, as well as a low thermal output. This reduces the need for external cooling and streamlines OEM and end-user implementation. OBIS XT lasers are ideal for a wide range of applications, including life sciences, biomedical, flow cytometry, DNA Sequencing, and fluorescence microscopy.