

MaxxPower

By Oxxius

Product range	High-Power Diode Modules
Product name	MaxxPower 375 nm
Reference	LBX-375
Description	<p>The MaxxPower LBX-375 is a compact 375 nm laser source that exhibits the highest optical power over an industry-standard 100×40 mm footprint. Its robust design, complete with readily available safety features makes it well-suited for both laboratory and industrial use.</p> <p>This model is a trusted solution for polymer-curing, lithography or wide-field microscopy. Key features</p> <ul style="list-style-type: none"> • ±1.0% long-term power stability; low optical noise • Modulation up to 1 MHz • Integrated control electronics Fully compatible with Oxxius MixxWave combiners for multi-mode fiber delivery in conjunction with other laser lines.



Caption: Lbx 375 Hpe

Product Variations

Part Number	Power
LBX-375-200-HPE-PPA	200mW
LBX-375-400-HPE-PPA	400mW

Optical Characteristics

Emission wavelength	375 nm
Tolerance	(±5nm tolerance)
Control modes	Automated power control (APC)
Optical noise	≤ 0.2% rms, 10Hz-20MHz bandwidth
Spectral linewidth	≤ 2nm
Analog modulation function - Rise / fall time	≤ 300ns
Analog modulation function - Bandwidth	≥ 1MHz
Beam diameter, 1/e² level, 50mm from the beam aperture	3.0 x 1.4mm
Beam divergence, 1/e² level full beam, far field	1.4 x 2.2mrad

General Specifications

Supply voltage	5V to 12V
Operating temperature	10°C to 50°C
Storage temperature and humidity	0°C to 60°C
Warm up time	≤2 minutes
Interfaces	USB, RS-232, direct modulation inputs
Dimensions (laser head)	100x40x40 mm
Weight (laser head)	≤330 g
Controler dimensions	106x126x56 mm
Compliance	CE (incl. IEC 60825-1) and FDA 21 CFR 1040.10 / 1040.11
Laser class	3B
Warranty	24 months or 5000 hours, whichever occurs first

Options

Multimode fiber coupling
Heat management
Band-pass filter
OEM version

Oxxius has a policy of continuous product improvement. Specifications may change without notice.