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TECHNOLOGY GROUP

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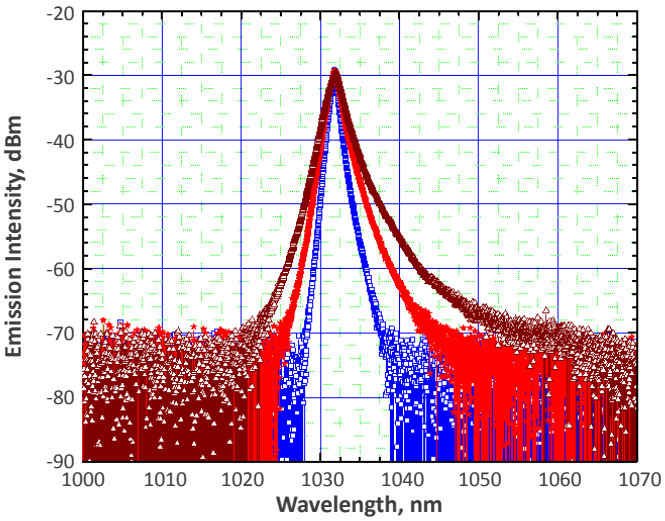
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Find the *IPG Photonics YLR-200-1030* at our website: ***Click HERE***

YLR-1030 Series

Ytterbium Single-mode Fiber Lasers

NEW PRODUCT





Applications

- Micromachining Applications Requiring 1010-1030 nm Wavelength Range
- Pumping
- Advanced Applications

Features

- Any Power up to 1 kW
- Excellent Beam Quality
- Constant BPP over Entire Power Range
- Small Focus over Large Working Distance
- Over 40% Wall-plug Efficiency
- Modulation up to 50 kHz
- Maintenance-free Operation
- Compact, Rugged and Easy to Install
- Smallest Power to Volume Ratio
- Wide Range of Beam Delivery Options

IPG Photonics' YLR-1030 Series represents a new generation of diode-pumped CW fiber lasers in world leading small form factor, with a unique combination of high power, ideal beam quality, fiber delivery and high wall-plug efficiency. The YLR is offered as a cost effective, adaptable solution for a clean room system or for integration into a production line.

Featuring a touch panel display or rear control via Analog, RS-232 or Ethernet interfaced, the rack mount configuration is ideal for a multitude of applications benefitting from 1030 nm wavelength range such as silicon processing, optical pumping, and advanced applications. Output powers up to 1 kW are available. Beam delivery options include coupler, beam switch (time or energy share) and delivery optics such as cutting and welding heads.

YLR-1030 Series
Ytterbium Single-mode Fiber Lasers

Optical Characteristics	YLR-500*	YLR-700	YLR-1000
Central Wavelength**, nm		1010-1030	
Mode of Operation		CW/Modulated	
Modulation Frequency, kHz		0-50	
Max. Average Power, W	500	700	1000
Power Tunability, %		10-100	
Beam Mode Quality,*** M^2		<1.1	

*Available at 100, 200, 300 or 400 W
**Available at 1030 nm up to 1000 W
***Multi-mode lasers are available up to 2 kW output power

General Characteristics		
Cabinet Dimensions (W × D × H), mm	448 × 580 × 133	448 × 680 × 177
Weight, kg	<40	<70
Cooling	Air- or Water-cooled	Water-cooled

Single-mode lasers are equipped with a 5 mm beam diameter affixed collimator for powers up to 400 Watts; 500 - 1,000 Watt lasers terminate to an HLC-8 connector. Affixed collimator options include beam diameters in either 2.5 or 7.5 mm.

IPG manufactures a complete suite of optical beam delivery components including delivery fiber and optics, collimators, beam couplers, switches and sharers, and processing heads and scanners, as well as process control and tooling solutions. Interchangeable collimators and processing heads connect easily to the HLC-8.

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The Power to Transform®

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

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We're here to make your life easier. How can we help you today?

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