

## Typical Specifications

### Optical Parameters

	Unit	YLR-1000*	YLR-3000	YLR-5000	YLR-10000	YLR-20000
Nominal Output Power	W	1000	3000	5000	10000	20000
BPP after Feeding Fiber	mm*mrad	<2.0*	<2.0	<4.0	<5	<12
BPP after Processing Fiber	mm*mrad	<4	<4	6	<8	-
Feeding Fiber Core Diameter	um	50	50	100	100	200
Processing Fiber Core Diameter	um	100	100	150	200	-

### Electrical Parameters

	Unit	YLR-1000	YLR-3000	YLR-5000	YLR-10000	YLR-20000
Electrical Requirements	V AC	360-528V, 3P+PE, 50-60Hz				
Typical Power Consumption	kW	3.5-4	10-12	17-20	35-40	70-80
Standard Interfaces		Ethernet, Digital I/O, Analog, PROFIBUS**, DeviceNet**				
Direct Modulation	kHz	0-5	0-5	0-5	0-5	0-5

### General Parameters

	Unit	YLR-1000	YLR-3000	YLR-5000	YLR-10000	YLR-20000
Max. Cooling Water Consumption (25°C)	m³/h	0.6	1.4	2.5	4	7
Cooling Water Temperature Range	°C	20-25	20-25	20-25	20-25	20-25
Dimensions (W x H x D)	cm	86x120x81	86x120x81	110x150x81	110x150x81	210x150x81
Weight	kg	250	350	500	750	1200
Ambient Temperature	°C	10-50	10-50	10-50	10-50	10-50
Enclosure Type		IP-54	IP-54	IP-54	IP-54	IP-54

\* - 1 and 2kW lasers also available in with a single mode output versions YLR-1000-SM and YLR-2000-SM respectively. In this case BPP is ~0.4 mm \* mrad from a 20um feeding fiber and ~2 mm\*mrad from a 50um processing fiber. All other electrical and general parameters are the same as for YLR-1000 and YLR-2000 lasers.

\*\* - optional, on request.