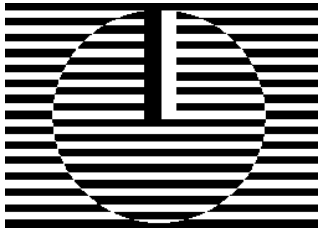


CW DPSS Laser Systems LPIR- Series

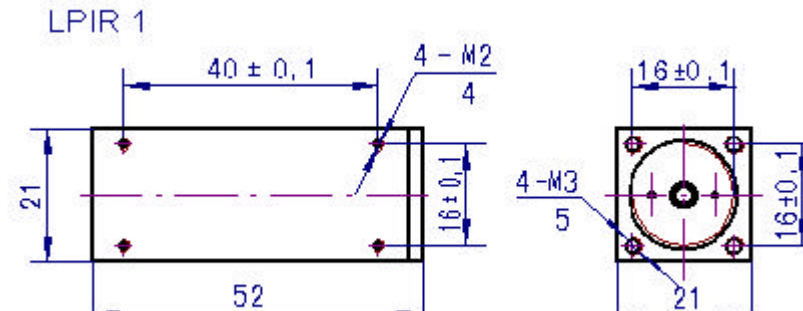
Lasing at the standard Neodymium line of 1064 nm, the LPIR-Series is available in three categories of housings providing optimal adaptation capabilities for the application setup. The systems LPIR-01 and LPIR-06 are passively cooled and can be provided in DC versions for 5 or 12 VDC input or with powersupply for a 110/ 220 VAC input.

Laser	LPIR-01-5	LPIR-01-10	LPIR-01-20	LPIR-02-5	LPIR-02-10	LPIR-02-20	LPIR-02-50	LPIR-06-3	LPIR-06-5	LPIR-06-10	LPIR-06-20
Wavelength	1064 nm										
Output power	5 mW	10 mW	20 mW	5 mW	10 mW	20 mW	50 mW	3 mW	5 mW	10 mW	20 mW
Operating mode	CW										
Transversal mode structure	TEM00										
Spektral composition	multi mode										
Beam diameter	< 1 mm										
Divergence	< 1.5 mRad										
Pointing stability	0.5 mRad/ hr.			0.2 mRad/ hr.				1 mRad/ hr.			
Polarisation	> 50 : 1			> 100 : 1				1 : 1			
Power stability	< 20%/ hr.			< 5%/ hr.				< 20%/ hr.			
Noise	20 %			10 %				30 %			
Operating temperature	+ 20° - + 30° C			+ 10° - + 40° C				+ 20° - + 30° C			
Warranted lifetime	>2000 hrs.			>3000 hrs.				>1500 hrs.			
Average lifetime	>4000 hrs.			>5000 hrs.				>3000 hrs.			
Laser head dimensions	21 × 21 × 52 mm			40 × 62 × 26 mm				12 mm Ø x 40 mm			
Power supply dimensions	90 x 47 x 35 mm (15 x 35 x 12 mm)			210 x 123 x 77 mm				90 x 47 x 35 mm (15 x 35 x 12 mm)			
Mains supply	100-240 VAC, (5VDC)			220 VAC, 110 VAC				100-240 VAC, (5VDC)			
Power consumption	20 VA			50 VA				20 VA			



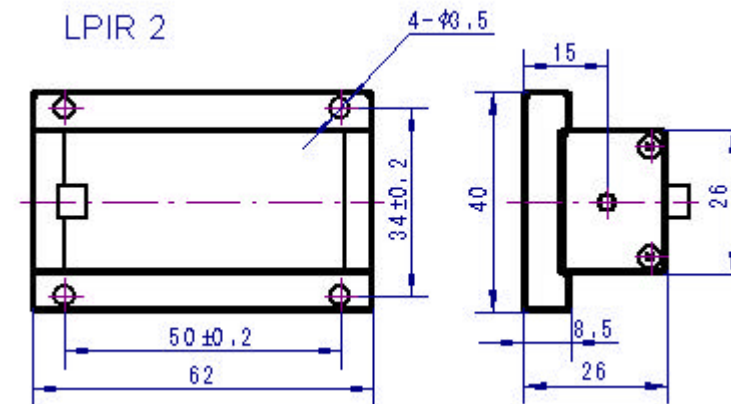
LPIR-01

A rectangular housing of 21 x 21 mm with a length of 52 mm makes these units very easily adaptable in optical setups. They provide output powers from 5 - 20 mWatts.



LPIR-02

These systems feature a baseplate for easy adaptation to the optical setup. An integrated manual shutter improves operator safety for these systems delivering from 5 to 50 mWatts of output power. Active cooling capability improves the power stability to < 5%.



LPIR-06

A tubular housing of 12 mm in diameter and a length of 40 mm make these units easily adaptable in optical setups. These units provide output powers from 3 - 20 mW.

