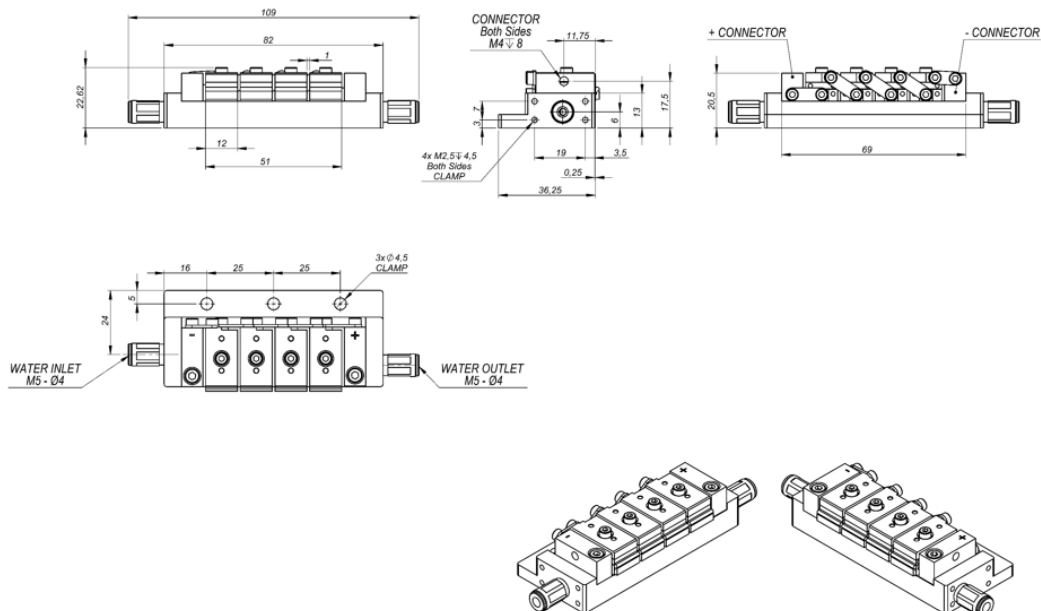


# Actively Cooled Linear Diode Laser Array (LB04)

## Suitable for:

- Optical Pumping
- Illumination
- Imaging

## Linear Diode Laser Array - LB04 | 4 laser bars package



### Linear Diode Laser Array- LB04

Product specification are subject to change without notice.  
For complete details, please contact your local MONOCROM sales representative.

UNE EN ISO 9001:2015

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## Linear Diode Laser Array - LB04 I TECH SPECIFICATIONS

<b>Laser Parameters</b>	
Center wavelength <sup>(1)</sup> [nm]	640-2200
Spectral bandwidth (FWHM) [nm]	<5
Stack peak power <sup>(2)</sup> [W]	CW 250 per laser bar / QCW 500 per laser bar
Operating current [A]	CW <180 / QCW <450
Voltage @ connectors <sup>(3)</sup> [V]	~ 2 per laser bar
Pitch between centers [mm]	12.5-13.5
Bar smile (PV) [µm]	<0.3
Coolant flow [l/min]	1.5-2.0
Coolant pressure [bar]	2.5-3.5
Coolant temperature <sup>(4)</sup> [°C]	Non-condensing-25
Coolant	90% deionized water + 10% ethyleneglycol
Weight [g]	TBC
Package dimensions (HxWxL) [mm]	See outline
Electrical connections	2x M4 threads
Water connections	2x Ø 4mm fittings
Laser class (EN-60825)	4
Expected lifetime	>20000h

Specifications at 20°C, in the beginning of lifetime.

1. Maximum ratings are NOT all achievable at a time
2. Number of Laser bars = 4
3. Voltage from the power supply must be higher, as due to high current there will be a voltage drop in the cables.
4. The coolant temperature must be adjusted to get the right central wavelength according to the data supplied with each unit

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