

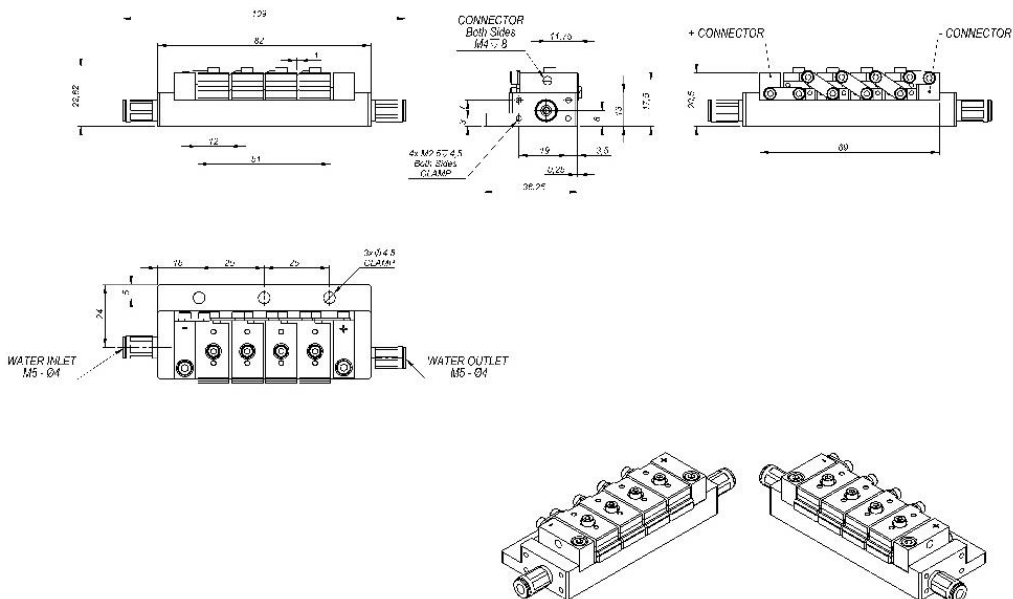


# Actively Cooled Linear Diode Laser Array (LB04)

## 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 - LB03 | 4 bars package

<b>Laser Parameters</b>	
Center Wavelength <sup>(1)</sup> [nm]	640-2200
Spectral bandwidth (FWHM) [nm]	<5
Stack peak power <sup>(2)</sup> , P <sub>max</sub> [W]	800-830
Operating current, I <sub>op</sub> [A]	180-200
Voltage @ connectors <sup>(3)</sup> V [V <sub>dc</sub> ]	~ 2/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>	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 6mm holes
Laser class (EN-60825)	4
Expected lifetime	QCW 2·10 <sup>9</sup> shots / CW >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 = 3
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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