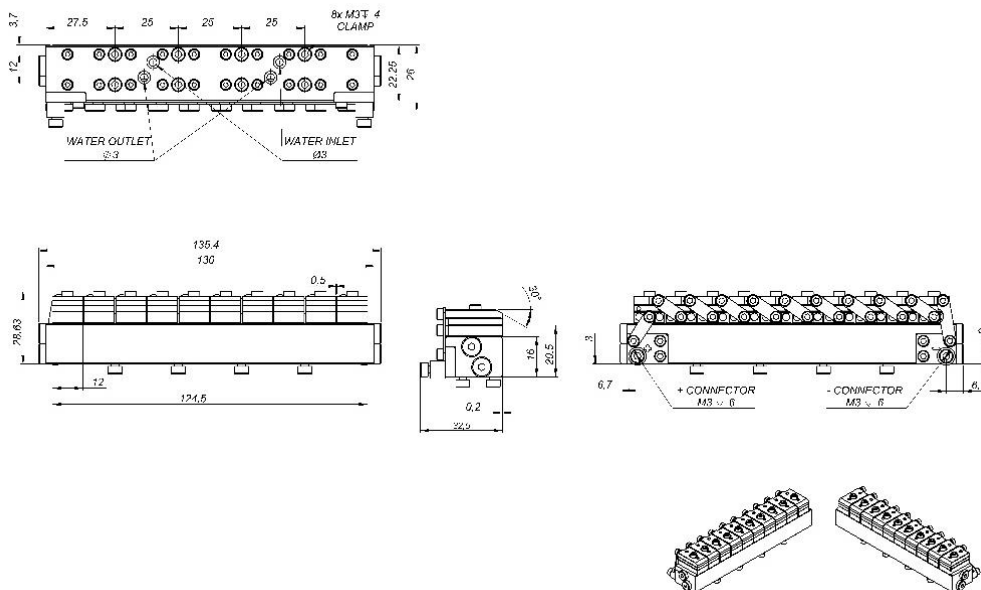


Actively Cooled Linear Diode Laser Array (LB10)

Suitable for:

- Optical
- Pumping
- Illumination
- Imaging

Linear Diode Laser Array – LB10 | 10 laser bars package



Linear Diode Laser Array- LB10

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

UNE EN ISO 9001:2015

MONOCROM S.L.

C/Vilanoveta 6
08800 Vilanova i la Geltrú (Barcelona)
Spain
T. +34 938 149 450
F. +34 938 143 767
E. sales@monocrom.com
www.monocrom.com

Linear Diode Laser Array –LB10 | TECH Specifications

Laser Parameters	
Wavelength ⁽¹⁾ [nm]	640-2200
Spectral width (FWHM) [nm]	<5
Stack peak power ⁽²⁾ , P _{max} [W]	2000-2200
Operating current, I _{op} [A]	CW <180 / QCW <500
Voltage @ connectors ⁽³⁾ V [V _{dc}]	~ 2/bar
Bar smile (PV) [μm]	<0,3
Pitch between centers [mm]	10,5-12,5
Coolant flow [l/min]	1,5-3,0
Coolant pressure [bar]	3,0-4,5
Coolant temperature ⁽⁴⁾	Non-condensing-35
Coolant	90% distilled 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 [hours]	QCW 2·10 ⁹ / 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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