

# High Power Laser Diode Module

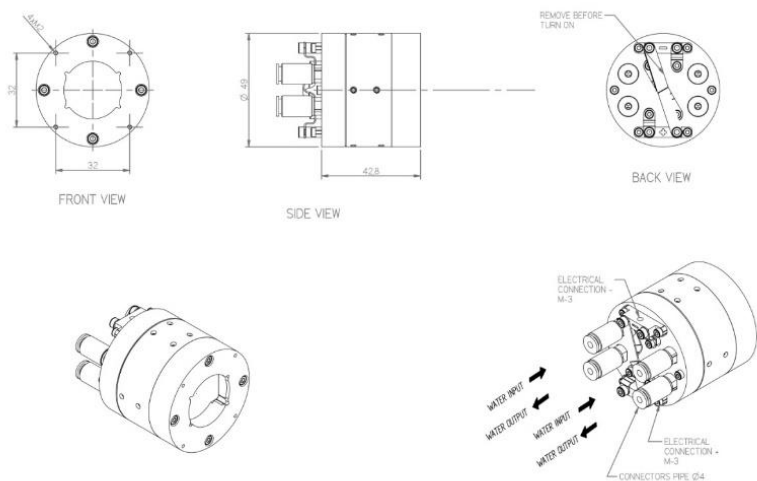
## HPL-D49-808

### Features:

- Encapsulated high power laser diode
- Number of stacks: 2 – 3
- Wavelength: standard/custom
- CLAMPING® Tech inside
- Extended useful life-time
- Improved reliability
- Low thermal resistance
- Storage temperature: from -40°C to + 85°C
- No “SMILE” effect

### Suitable for:

- Dermatology
- Aesthetics



HPL-D49-808

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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## HPL-D49-808 | TECH Specifications

	LBS-8010-2	LBS-8010-3	LBS-8020-2	LBS-8020-3
<b>Laser Parameters</b>				
Type	Conductively cooled stack			
Wavelength [nm]	808	808	808	808
Wavelength tolerance [nm]	±20	±20	±20	±20
Output power per bar [W]	200	300	200	300
Operating current, $I_{op}$ [A]	<180	<270	<180	<270
Voltage @ connectors <sup>(1)</sup> , V [ $V_{dc}$ ]	18	18	36	36
<b>Module</b>				
Output power [W]	2000	3000	4000	6000
Coolant flow [l/min]	0,5 – 1.5			
Coolant pressure [bar]	2.5 – 3.5			
Coolant <sup>(2)</sup>	90% Distilled water + 10% ethyleneglycol			
Electrical connections	Threads M3			
Water connections	Water fittings for Ø3mm tube			
Weight [g] <sup>(3)</sup>	<500			
Laser class product (EN-60825)	4			
Package dimensions (ØxL) [mm]	49 x 63			
Expected lifetime <sup>(4)</sup>	10 <sup>8</sup> pulses			

1. Voltage from the power supply must be higher, as due to high current there will be a voltage drop in the cables.
2. Tap water use is an option.
3. For the 4000W and 6000W.
4. Reduced life time if use in conflict to the nominal operational conditions.

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