

# CorALIGHT CLM-400 Series 400W OEM Fiber Laser Modules

## PRODUCT OVERVIEW

CorALIGHT CLM Series of OEM fiber laser modules are specifically designed for industrial materials processing applications. CLM modules are made from CorActive truly photodarkening-free optical fiber and are built to meet the highest standards of reliability and performance. The CLM Series modules include a sealed optical engine with built-in control and monitoring electronics ready for integration into our customer's equipment.

**“CorActive’s OEM fiber laser modules meet the needs of laser system manufacturers looking for a truly cost-effective and customizable fiber laser solution.”**

CorActive’s OEM fiber laser modules meet the needs of laser system manufacturers looking for a truly cost-effective and customizable fiber laser solution. CorALIGHT CW OEM laser modules allow our customers to leverage CorActive know-how and expertise in specialty fiber and fiber laser design.



CorALIGHT CLM Series

## ADVANTAGES

- Truly photodarkening-free optical fiber
- High Efficiency
- High-Reliability sealed optical engine
- Simple, rugged and cost-optimized optical architecture
- Basic control&monitoring electronics
- Optical cable delivery with industry-standard connectors
- Cooling hardware
- User Friendly PC Labview Graphical Interface
- Easy integration into OEM systems

## APPLICATIONS

- Micro-machining
- Rapid Prototyping
- Fine Cutting
- Precision Welding
- Medical Device Manufacturing

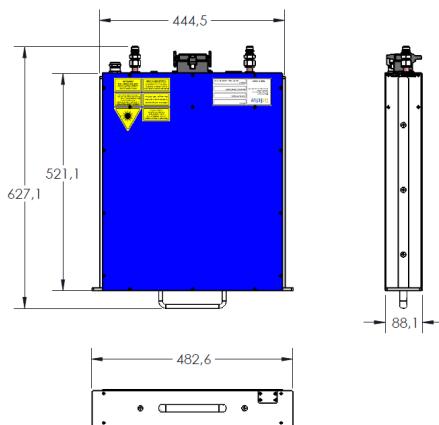
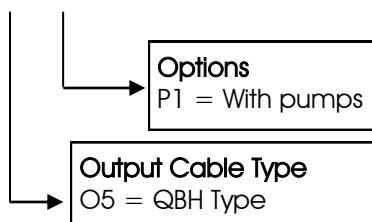


## SPECIFICATIONS

Optical	Units	CLM-400
Mode of Operation		CW
Polarization		Random
Lasing Wavelength	nm	1080±5
Pump Wavelength	nm	965±5
Nominal Output Power	W	400
Output Power Loss	%	< 1 (over 1000 hours)
Laser Slope Efficiency @ 965nm	%	> 65
Max. Modulation Frequency	kHz	10
<b>Output Beam Characteristics</b>		
Optical Head		QBH Type
Beam Quality (M <sup>2</sup> )		< 1.1
Cable Length	m	> 5
<b>Mechanical</b>		
Cooling		Water
Typical Cooling Requirements	W	1000 (@2gpm, 20°C water)
Approx. Enclosure Dimensions	mm	445 x 520 x 90
Weight	kg	30
<b>Electrical</b>		
Input/Output Interface		DB-25 Connector
RS-232 Interface		DB-9 Connector
Power Supply	VDC	24VDC/48VDC
<b>Environmental</b>		
Operating Temperature	°C	5 - 40
Operating Humidity	%	10-80 RH (non condensing)

## CONFIGURATIONS

CLM - 400 - □ - □



CorActive's CorALIGHT CW OEM fiber laser modules are specifically designed for industrial materials processing applications.

CorALIGHT modules feature a sealed optical engine with built-in control and monitoring electronics ready for integration into our customer's equipment.

**CorActive**  
Specialty Optical Fiber Manufacturer

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