



95 Watt, Air-Cooled High Power Laser Diode Heat Sink with Integrated Peltier Cooler

- Laser Diode Mounting Plate Footprint and Lead Wires Pre-Configured for your Laser Diode Package
- Integrated Peltier Cooler for Stable Thermal Control of Laser Diode
- Top Mounting Plates Available for nLight, Jenoptik, LUMICS, Lumentum, DILAS, COHERENT and Others
- Comes with High Current Leads which Match your Laser Diode Pin Diameter

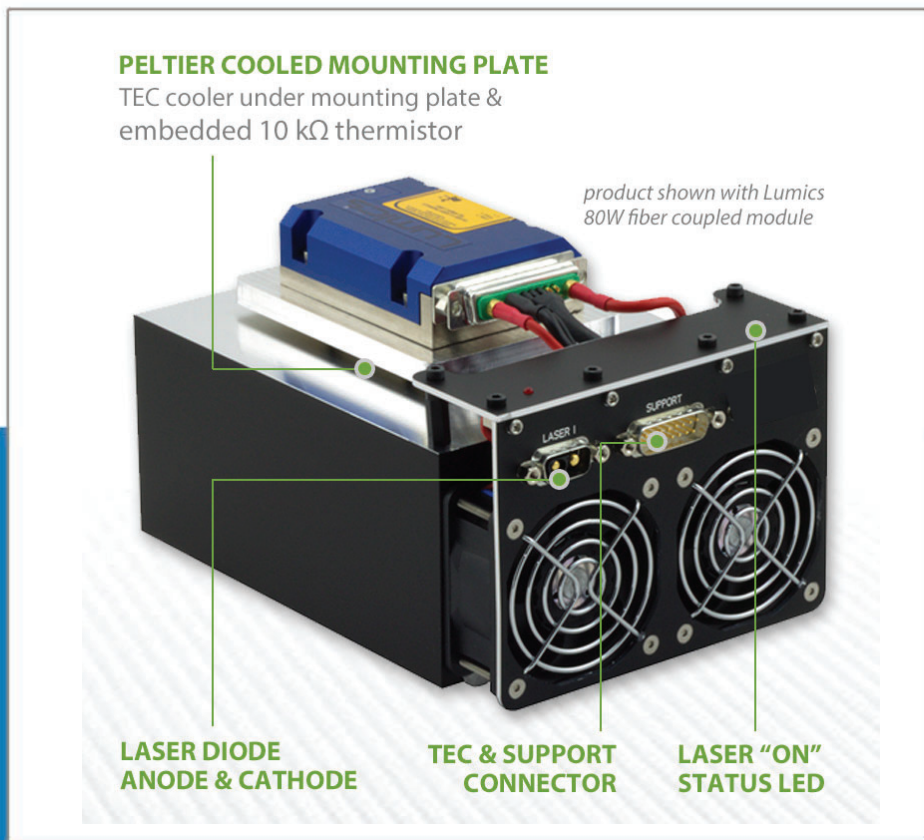
LDM-95W DATA SHEET

**WORLD LEADING PRODUCTS
FOR LASER SCIENTISTS AND ENGINEERS**

DATA SHEET

LDM-95W Product Overview:

The LDM-95W high power laser diode heat sink and mounting module is a high performance mounting solution designed for fiber coupled and free-space laser diodes. It is an "all-air" cooling design which precisely stabilizes the temperature of your laser. The surface of the mounting plate was designed with micron level surface flatness and finish tolerances. Standard mounting plates with pre-drilled hole footprint patterns are available for most package styles. A high reliability Peltier element located under the laser mounting plate works with the embedded 10K thermistor to provide fast heat removal and stable temperature control.



LDM-95W SPECIFICATIONS

GENERAL SPECIFICATIONS

Heat Load Maximum (@25°C):	95 Watts
Laser Diode Mounting Plate Material:	Nickel Plated Copper
Laser Diode Mounting Plate Area:	100 mm x 140 mm
Laser Diode Package Footprint (pre-drilled holes):	Customer Specified at Time of Order
Temperature Uniformity:	< 0.5°C Across Mounting Plate Surface
Laser Diode Mounting Plate Surface Flatness:	< 10 µm
Suggested Temperature Control Range:	10 °C ~ 45 °C

INTEGRATED Peltier Cooler and Thermistor Specifications

Peltier / TEC Current (max):	6 Amps
Peltier / TEC Voltage (max):	11 Volts
Integrated Temperature Sensor:	10 kOhm Thermistor

INTERFACE CONNECTORS

Laser Diode Anode and Cathode:	DSUB-2W2, female
Peltier / TEC:	DSUB, 15-pin, male

COOLING CAPACITY @ 25°C AMBIENT (ROOM) TEMPERATURE

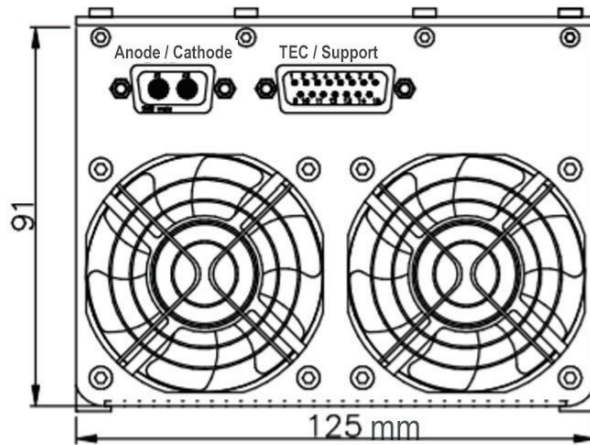
Laser Diode Set Point @ 15°C ... Waste Heat Removal	70 Watts
Laser Diode Set Point @ 20°C ... Waste Heat Removal	85 Watts
Laser Diode Set Point @ 25°C ... Waste Heat Removal	95 Watts
Laser Diode Set Point @ 30°C ... Waste Heat Removal	105 Watts

FAN FOR WASTE HEAT REMOVAL (IN HEAT SINK BASE)

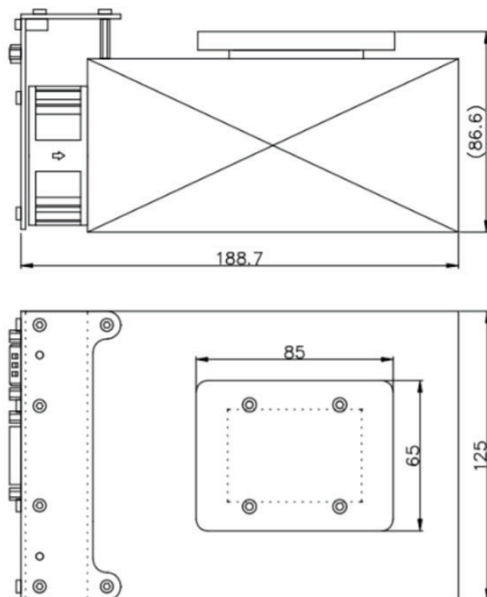
Fan Power Input (max):	24 VDC
Total Power Consumption:	7.5 Watts

DATA SHEET

CONNECTORS



DIMENSIONS (mm)



Product Warranty:

In addition to the standard full one year warranty, this product is offered with an additional 3 months of extended warranty for a total of 15 months of warranty coverage. The warranty includes all parts and labor. The warranty does not include customer induced product damage.

Our Customer Commitment:



You Get Direct, Fast Tech-Support from a Product ENGINEER ... Not a Sales Person

You get DIRECT access to the correct factory engineer for your product. We eliminate the sales person "middle-man" back and forth time delays resolving technical issues. No more "Contact Us" forms. Every product has an assigned engineer in our auto-messaging data base to give you direct, immediate access to the correct tech-support info.



You Get an Extended Warranty

All products from Laser Lab Source come with a 12 month factory warranty. Additionally, we offer and extra 3 months of warranty on top of the standard warranty. Warranty does not include customer induced product damage.



You Get the Lowest Factory-Direct Prices Worldwide

All of our 3rd party global suppliers set & quote their own direct pricing. There are NO Mark-Up's. You get their lowest direct price.