

## Vortran Laser Technology, Inc Stradus™ LITE - OEM Laser Head

### Low Cost Without Compromise

The Stradus™ Lite diode laser module is the economical version of the standard Stradus laser module. The Stradus Lite features a much smaller footprint, higher efficiency, and the same excellent performance. It is a CW mode operation only with microprocessor control with no external electronics required. This smaller, cost sensitive solution uses all of the technology from our full featured Stradus laser modules in the smallest footprint available for a high performance laser module system. Just supply DC current and the Stradus Lite does the rest.



- Medical, Biomedical & Industrial
- Patented Sealed Optical Cavity
- Excellent Beam & Stability
- Self-contained & Compact
- Low Optical Noise
- OEM Head Only

#### Specifications

Wavelength range (nm)	375 - 785
Note: Center Wavelength typ. +/-5nm	
Power (mW)	5-100
Spatial Mode	TEM <sub>00</sub>
Beam Type	Elliptical (~2:1 or 3:1)
Beam Divergence (mrad)	<1.0
M <sup>2</sup> (typical)	< 1.25
Beam Centration (mm)	< 0.5
Beam Alignment (mrad)	< 5
Pointing Stability (μrad/°C)	< 5
Power Stability (over 24 hours)	< 0.5%
Polarization Orientation	Vertical ±5°
Polarization Extinction Ratio	>100:1
RMS Noise (10Hz to 10MHz)	<0.2%
Input Power (Head)	5V DC, 1.5A (max)
Storage Temperature	-10°C to +60°C
Operating Temperature	+10°C to +45°C
Laser Head Weight	66g
CDRH Class	Class IIIb
ESD Protection	Class 4
RoHS Compliance	EU and China

Stradus Lite 488-50 Startup Power vs Time

