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# Electro MIR

## Mid IR supercontinuum laser

**Electro MIR** is the new generation of supercontinuum laser delivering a unique spectrum in the Mid-IR. **Electro MIR** is based on LEUKOS' over 10 years' experience in the field of supercontinuum laser and LE VERRE FLUORE over 38 years' experience in Fluoride fibers . **Electro MIR** is build on a mature reliable technology, the laser is turnkey, easy to operate and delivered with real achromatic collimated output to ensure a perfect collimation over its wide spectral range.

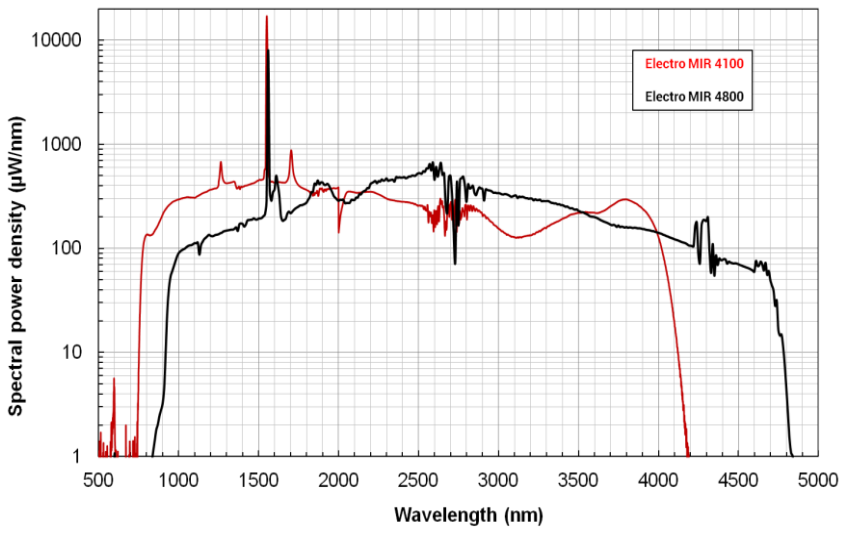
### FEATURES

- **Mid IR spectrum up to 4800 nm**
- **Spatially singlemode**
- **Total average power up to 800 mW**
- **Repetition rate > 100kHz**
- **Flexible fiber output**
- **Achromatic collimation**
- **Maintenance-free**
- **Long lifetime**

### APPLICATIONS

- **High resolution imaging**
- **Flow cytometry**
- **OCT**
- **Microscopy**
- **Optical component characterization**


MIR spectrum
Up to 4800 nm



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## Mid IR supercontinuum laser

| Optical specifications | | Electro MIR 4.1 | Electro MIR 4.8 |
|---|---|---|---|
| Spectral bandwidth | Min | < 800nm | < 800nm |
| | Max | >4100 nm | >4800 nm |
| Total average power | | > 800 mW (typ. 1W) | >500 mW |
| Repetition rate | | > 100kHz | |
| Seed pulse width | | > 100 ps | |
| Power stability | | < +/- 1 % | |
| Spatial mode | | Singlemode | |
| Polarization state | | Unpolarized | |
| Output | | FC/APC collimator (~1m armored cable) | |
| Synchronization output | | External trigger output | |
| Interlock connector | | 2-pin LEMO | |

| Other specifications | |
|---|---|
| Control interface | Front panel and USB |
| Operating temperature | +10°C to +40°C non condensing |
| Weight | < 8kg |
| Dimensions (LxWxh) | 485x250x134 mm |
| Power requirements | 100-240 V, 50/60 Hz |

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**contactus@leukos-systems.com**
**www.leukos-systems.com**

**CAUTION – VISIBLE AND INVISIBLE LASER RADIATION AVOID EYE AND SKIN EXPOSURE TO DIRECT OR SCATTERED RADIATION**
**CLASS 4 LASER PRODUCT**



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