



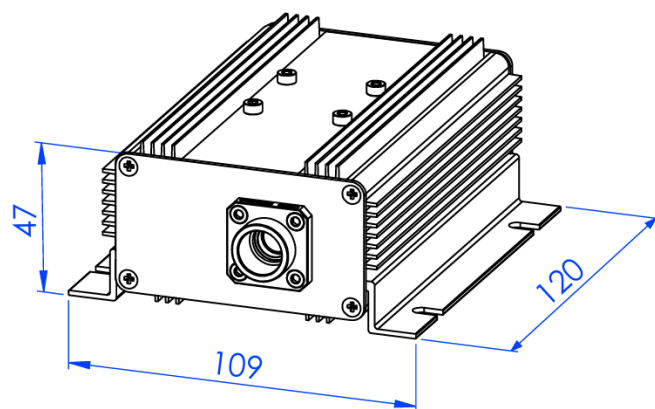
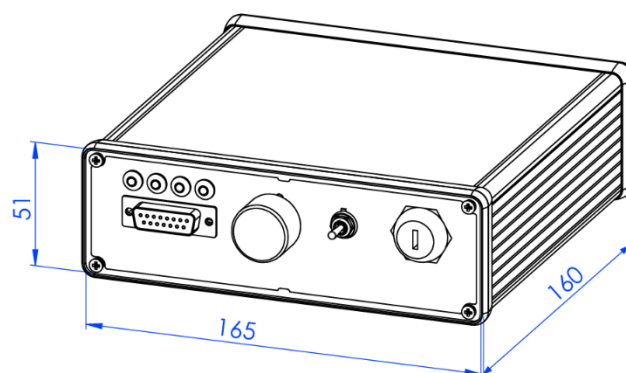
TKLM-830-01 DATA SHEET

830nm 1W CW TURNKEY LASER UNIT



The TKLM-830-01 produces 1W of laser light at 830nm. This is a version of Flash Photonics' TKLM series of compact turnkey laser solutions. Temperature control provides a highly stable output power and wavelength. Fiber output or collimated beam options are available. Customization options for controlling the output include USB serial communication, analog or tactile input with knobs and switches. The TKLM-830-01 is a Class 4 laser, and its remote interlock integration and turnkey design make it straightforward to operate safely in lab and OEM environments.

Wavelength	830 nm
Output Power	1 W
Power Stability	<0.5% RMSE
Modulation Options	Analog, TTL, Serial Com
Beam Quality	Multimode
Output Style	Fiber Coupling or Collimated Beam
Safety Features	Remote Interlock Integration and LED Indicators
Input Voltage	12 – 25 VDC
Warranty	1-year warranty and support



Applications:

- Fluorescence Excitation
- Raman Spectroscopy
- Machine Vision & NIR illumination
- Biomedical research
- Reflectance & Absorption Spectroscopy
- OEM Instrument Integration