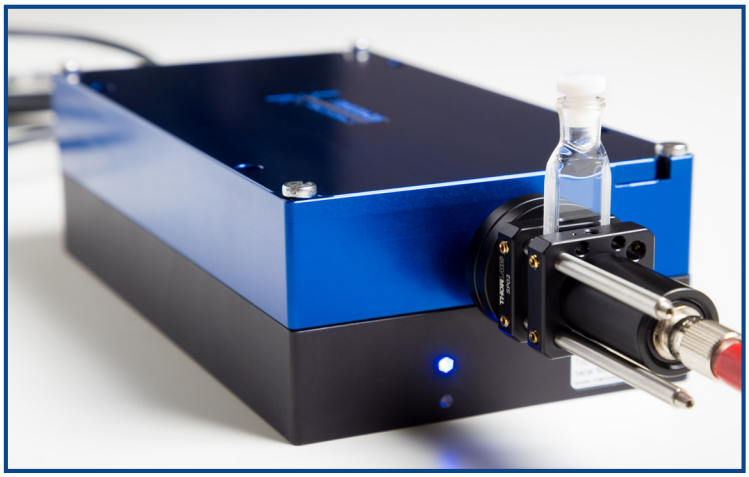
SLP-0280 SUPERCONTINUUM LASER

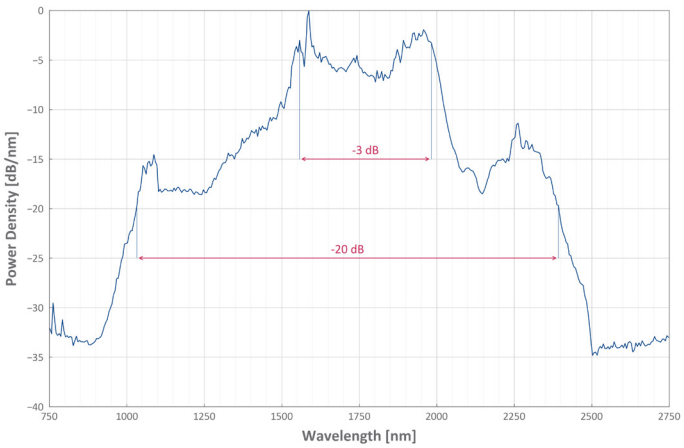
ProCareLight
Light, Laser and Safety Solutions

Compact & Ultrafast Pulse Laser



Designed for both stationary and mobile applications, the **SLP-0280** is the industry's first portable and maintenance-free ultrafast laser. It generates unprecedented 25-femtosecond pulse durations all on a chip.

Utilizing PAD - Patterned Alternating Dispersion™ technology, the SLP-0280 outperforms traditional complex systems and efficiently delivers ultrashort pulse lengths in a compact form factor.



KEY FEATURES

- PIC-based supercontinuum generation
- PAD - Patterned Alternating Dispersion™
- Ultrafast, smooth, and low noise spectral output (SWIR)
- Short start-up time
- No need for calibration, high uptime, maintenance-free

Technical Specifications	
Average Output Power	50 mW
Pulse Width	25 fs
Peak Power	20 kW
Spectral Bandwidth	1750 nm ± 200 nm
RIN	10^{-12} dB/Hz
Repetition Rate	100 MHz
Pulse Energy	500 pJ
Total Power Stability	0.5 %
Output Beam	1.8 mm collimated radius
Output Port Thread	SM05
Power Supply (DC)	12 VDC
Current	1.5 A
Current at Warm-up	5 A
Power Consumption	15 W
Warm-up Time	< 60 s
Operating Temperature	20 °C | 68 °F
Dimensions (WxHxL)	174 x 96 x 54 mm^3
Laser Head Weight	1 kg | 35 oz
Laser safety	Class IIIB

From **ultrafast spectroscopy** and **non-linear microscopy** to **non-destructive imaging** and **material characterization**, our innovative technology delivers unmatched versatility and precision. Elevate your operations in inspection, process and quality control, and material analysis with this groundbreaking solution.

For more information, contact us at ventas@procarelight.com