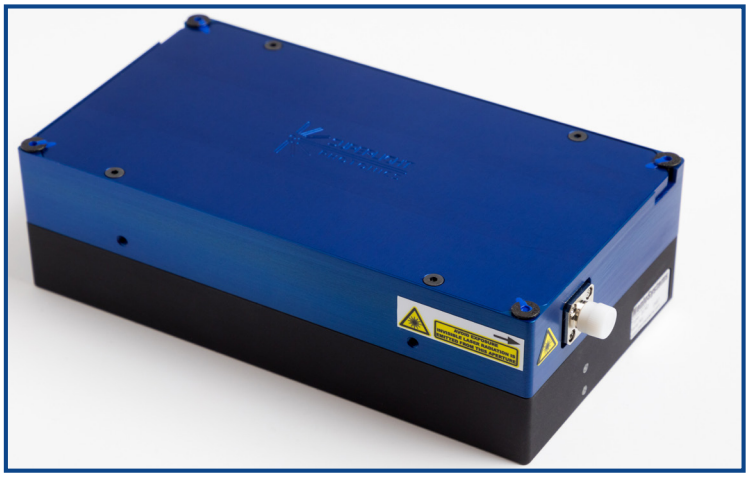
SLP-1052 SUPERCONTINUUM LASER

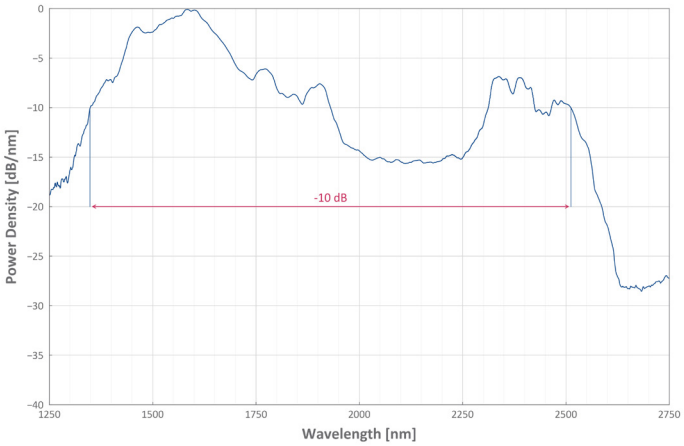
ProCareLight
Light, Laser and Safety Solutions

Ultrawide bandwidth, low noise laser



Designed for both stationary and mobile applications, the **SLP-1052** is the industry's first portable and maintenance-free high-power wideband laser. It generates unprecedented spectral range at the -10 dB range with femtosecond compressed pulse durations all on a chip.

Utilizing PAD - Patterned Alternating Dispersion™ technology, the SLP-1052 achieves world-record coherent wide bandwidth, overcoming the narrow spectrum limitations of tunable lasers.



KEY FEATURES

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

Technical Specifications	
Spectral Bandwidth	1000 nm at -10 dB
Average Output Power	20 mW
RIN	10^{-12} dB/Hz
Repetition Rate	100 MHz
Pulse Energy	160 pJ
Total Power Stability	0.5 %
Output	Fiber-Coupled
Output Connector	FC/PC
Power Supply (DC)	12 VDC
Current	1.25 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	1.5 kg | 52 oz
Laser safety	Class IIIB

From **optical coherence tomography** and **hyperspectral imaging** to **medical imaging** and **advanced spectroscopy**, 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

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