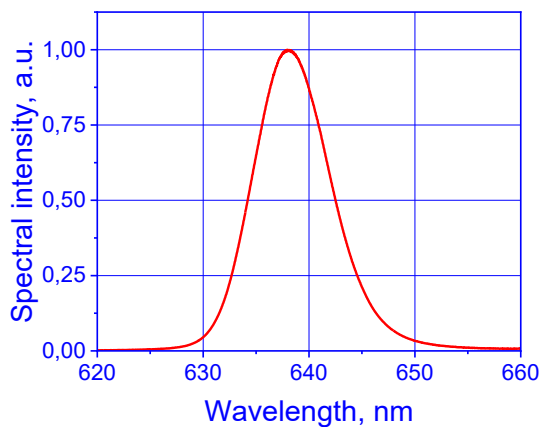
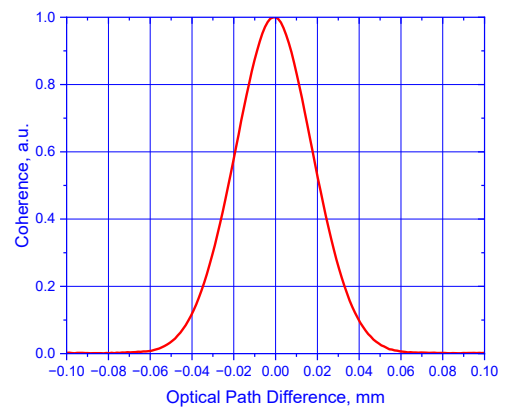
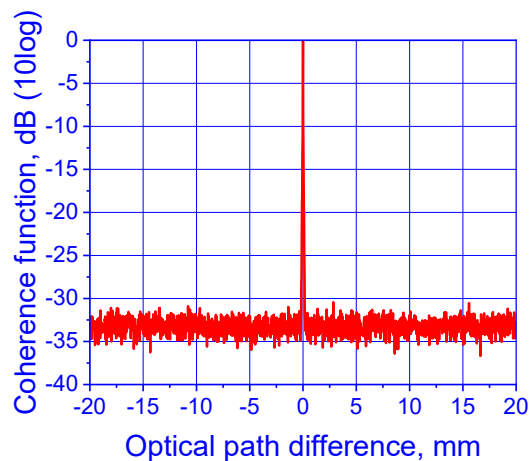


PERFORMANCE EXAMPLES

Spectrum at 1 mW SMF

Coherence function at 1 mW SMF

Coherence at 1 mW output (extended plot)


Note: optical path difference = 2x mirror displacement in Michelson interferometer

Optical Parameters			Other specs	
Parameter	Rated	Actual	Operating temperature range, °C	0...+50
SM fiber output power, mW	>0.9	1.0	Physical dimensions, mm:	80x110x26
Mean wavelength, nm	635-642	637	Typical Weight, grams	240
3 dB spectrum width (SW), nm	>7.0	7.9	Optical Output	FC/APC socket
Maximum spectral ripple, %	<5	0.3	Fiber	SM600
Long-term drift, %*	<1.0	0.6	DC supply voltage, V	9.0-30.0; 18 VDC recommended.
Short-term drift, %**	<0.5	<0.5	DC supply current max., A	1.2 A (at 18 VDC)

* 8 h, measurements every minute, 100 ms integration.

** 15 minutes, measurements every second, 100 ms integration. All measurements after 1 hour warm-up. Ambient temperature 22±1 °C.

The following marking should be used for ordering:

P/N(type of fibre: S – SMF; P - PMF)

Examples : SLD-mCS-S640.8.1S, SMF pigtail, FC/APC.

PMF-based light source modules are available upon request. Please reach out to us at sales@superlum.ie for more details.