

Applications:

- optical coherence tomography
- optical metrology
- optical measurements

Features:

- wide optical spectrum 60 nm FWHM
- high output power
- low noise

Specifications:

Parameter	Category	Min	Typ	Max
SM fiber output power, mW	HP	4.0	5.0	-
Mean wavelength, nm	HP	1270	1300	1330
3 dB (FWHM) spectrum width, nm	HP	80	85	100
Residual spectral modulation depth (0.05 nm resolution), %	HP	-	2.0	5.0
Spectral flatness, %	HP	-	-	40
Long-term stability, %*	HP	±0.5		
Short-term stability, %**	HP	±0.1		

*8 hours, measurements taken every minute, 100 ms integration.

**15 minutes, measurements taken every second, 100 ms integration.

All measurements were taken after a one-hour warm-up period at ambient temperature (22±0.5) °C

Other specifications:

Power requirements: 110 V AC or 220 V AC, 50/60 Hz

Operating temperature range: 0 °C to +40 °C

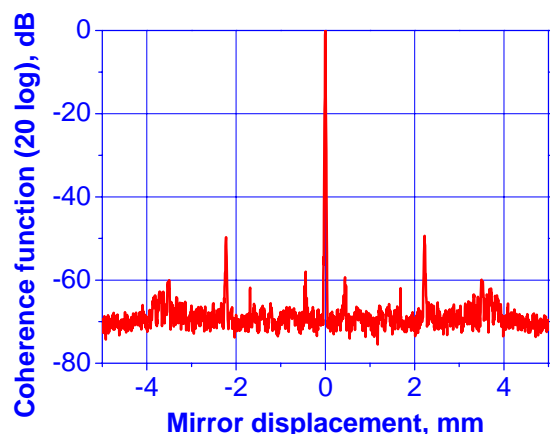
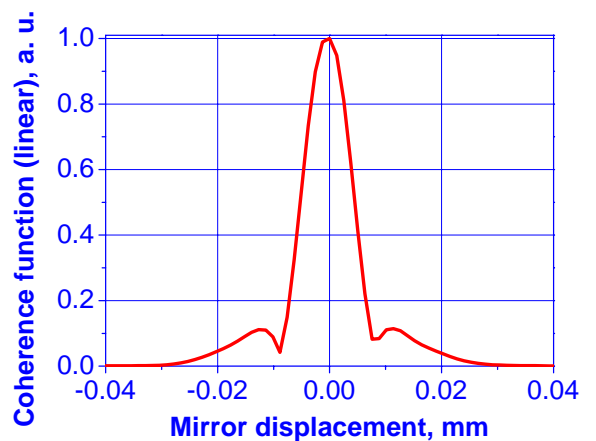
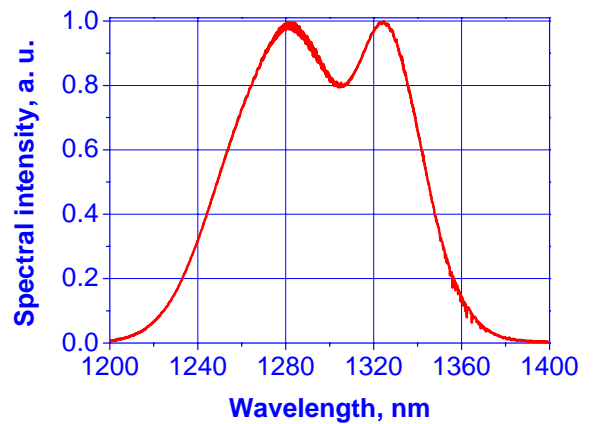
Output: FC/APC

Fiber: Corning SMF 28

10⁻³ maximum feedback is allowed to run Broadlighters D1300 safely at full power.

All specifications are subject to change without notice

PERFORMANCE EXAMPLES



Mirror displacement = Optical path difference / 2.
Spatial resolution of measurements is 0.5 micron.