

**Applications:**

- optical coherence tomography
- optical metrology
- optical measurements

**Features:**

- wide optical spectrum 150 nm FWHM
- less than 5 microns coherence length
- high output power
- low noise

**Specifications:**

Parameter	Category	Min	Typ	Max
SM fiber output power, mW	MP	2.5	3.0	-
	HP1	5.0	6.0	-
Mean wavelength, nm	All	-	890	-
3 dB (FWHM) spectrum width, nm	All	140	150	-
Residual spectral modulation depth (0.05 nm resolution), %	All	-	2	5
Spectral flatness, %	All	-	30	45
Long-term stability, %*	All	±0.5		
Short-term stability, %**	All	±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

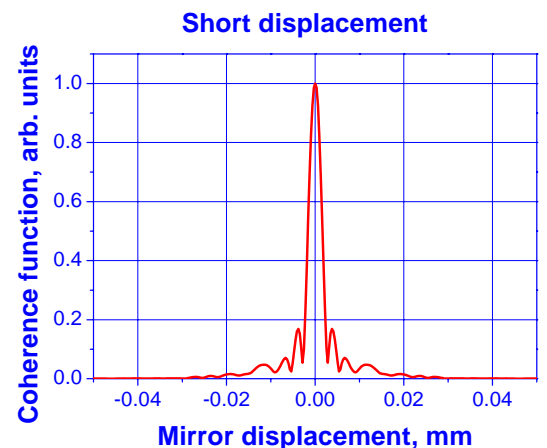
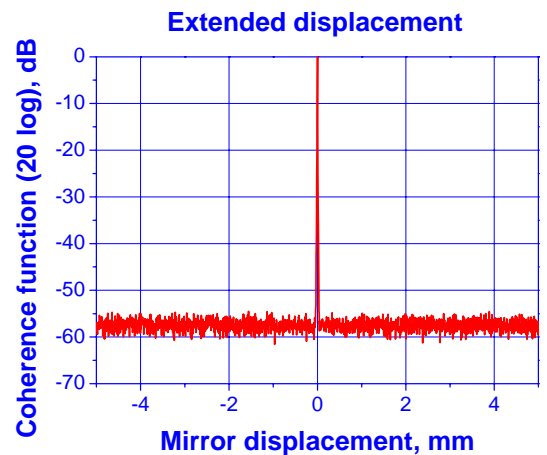
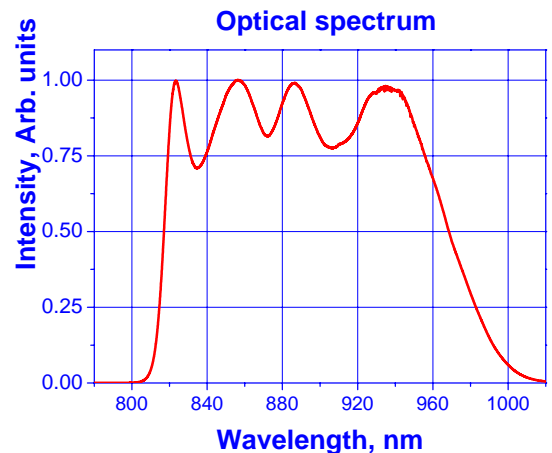
**Output:** FC/APC

**Fiber:** Corning Puremode HI 780

10<sup>-3</sup> maximum feedback is allowed to run Broadlighter D890HP 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.