

**Applications:**

- optical coherence tomography
- optical metrology
- optical measurements

**Features:**

- wide optical spectrum 100 nm FWHM
- less than 8 microns coherence length
- high output power
- low noise

**Specifications:**

Parameter	Category	Min	Typ	Max
SM-fiber output power, mW	HP1	5.0	6.0	-
	HP2	10.0	12.0	-
Mean wavelength, nm	All	-	850	-
3-dB (FWHM) spectrum width, nm	All	90	100	-
Residual spectral modulation depth (0.05 nm resolution), %	All	-	2	5
Spectral flatness, %	All	-	-	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

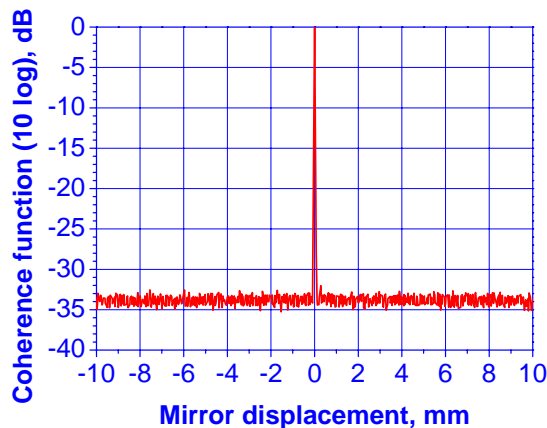
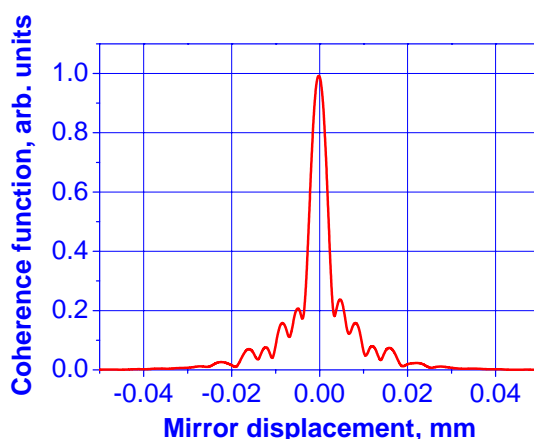
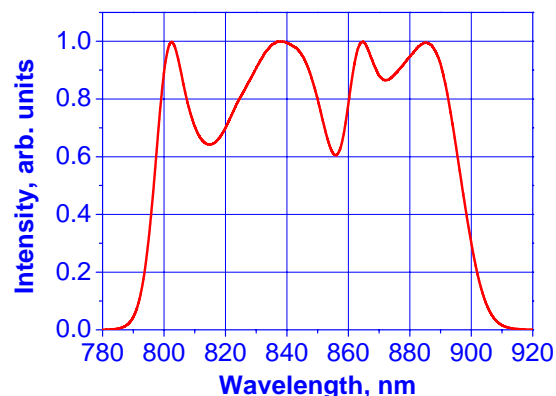
**Output:** FC/APC

**Fiber:** Corning Puremode HI 780

10<sup>-3</sup> maximum feedback is allowed to run Broadlighter D855 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.