

Applications:

- Optical coherence tomography
- Optical metrology
- Optical measurements

Features:

- Wide optical spectrum
- Coherence length of less than 5 microns
- High output power
- Low noise

Specifications

(Nominal Emitter Stabilization Temperature +25 °C)

Parameter	Min	Typ	Max
SM fiber output power, mW	4.0	6.0	-
Mean wavelength, nm	965	980	-
3 dB (FWHM) spectrum width, nm	180	200	-
Residual spectral modulation depth (0.05 nm resolution), %	-	2	5
Spectral flatness, %	-	-	45
Long-term stability, %*	±0.5		
Short-term stability, %**	±0.1		

* Measurements taken every minute for 8 hours with 100 ms integration time.

** Measurements taken every second for 15 minutes with 100 ms integration time.

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

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

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

Output: FC/APC

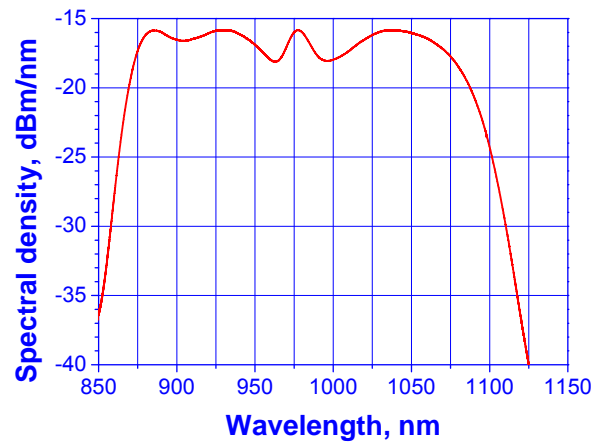
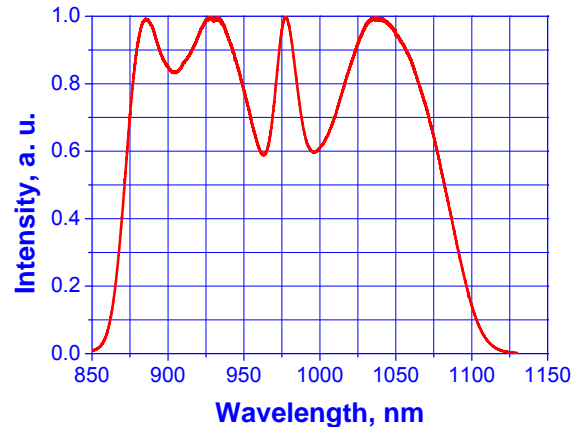
Fiber: Corning Puremode HI 780

A maximum feedback of 10⁻³ is allowed to run BroadLighter D-980-HP safely at full power.

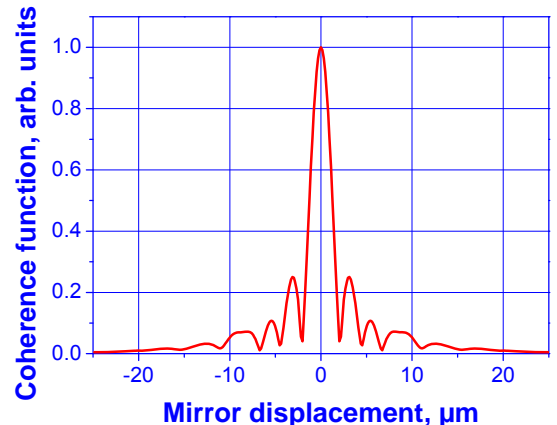
All specifications are subject to change without notice.

PERFORMANCE EXAMPLES

Optical spectrum, linear scale



Coherence function



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