

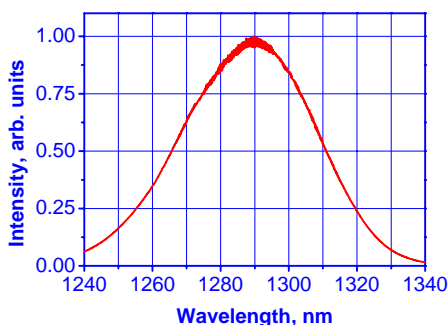
High Output Power, Gaussian-like Optical Spectrum, Optically Isolated, Low-noise

Parameter	Device	Min	Typ.	Max
SM fiber output power – full power mode, mW	S1300-HP-I-G-B-20	15	20	-
SM fiber output power – low power mode, mW		1*	-	-
Mean wavelength, nm		1280	1290	1300
3 dB (FWHM) spectrum width, nm (full power)		45	-	-
Residual spectral modulation index (0.05 nm res), %		-	2.0	5.0
Output isolation		Built-in optical isolator (-30 dB)		
Fiber		SM, Corning SMF-28		
Output connector		FC/APC		
Long-term stability, %**		±0.5%		
Short-term stability, %***		±0.1%		

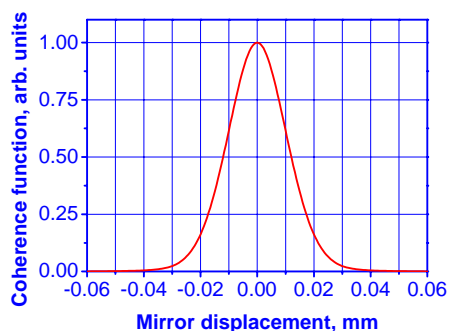
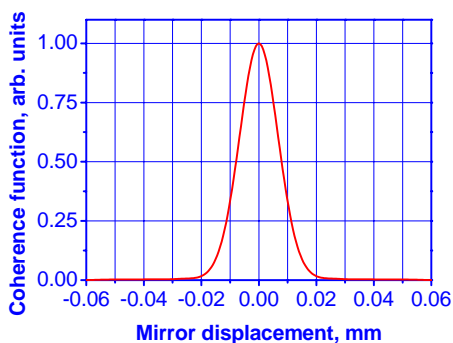
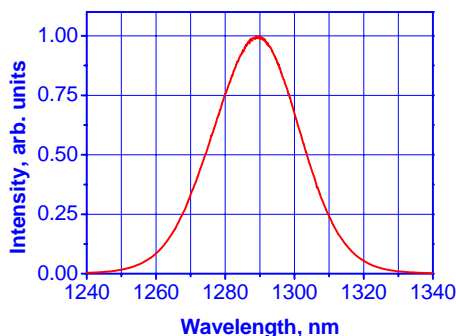
* other upon request. ** 8 hours, measurements taken every minute, 100 ms integration. *** 15 minutes, measurements taken every second, 100 ms integration. All measurements were taken after a one-hour warm-up period at ambient temperature 22±0.5 °C.

Optical Spectrum and Coherence Function

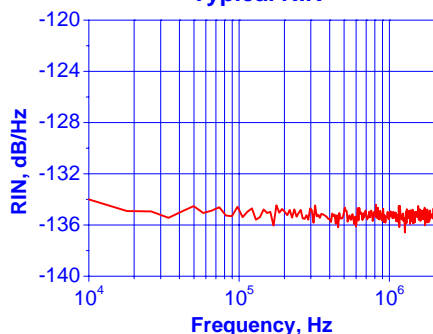
Full Power Mode



Low Power mode



Typical RIN



All specifications are subject to change without notice.
For more details check
http://www.superlumdiodes.com/s_broadlighters.htm.