

Applications:

- optical coherence tomography
- optical metrology
- optical measurements

Features:

- wide optical spectrum
- high output power
- high stability
- low noise

Specifications:

Parameter	Category	Min	Typ	Max
SM fiber output power, mW	MP	1.5	2.0	-
	HP	4.0	5.0	-
Mean wavelength, nm	D1460	1440	1460	1480
	D1500	1480	1500	1520
	D1550	1530	1550	1570
3 dB (FWHM) spectrum width, nm	D1460, D1500	60	70	-
	D1550	75	85	-
Maximum spectral ripple (0.05 nm resolution), dB	All	-	0.2	0.5
Spectral flatness, dB	All	-	-	1.0
Spectral density within 3 dB BW, dBm/0.1 nm	MP	-25	-	-
	HP	-22	-	-
Long-term stability, %*	All	±0.5		
Short-term stability, %**	All	±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

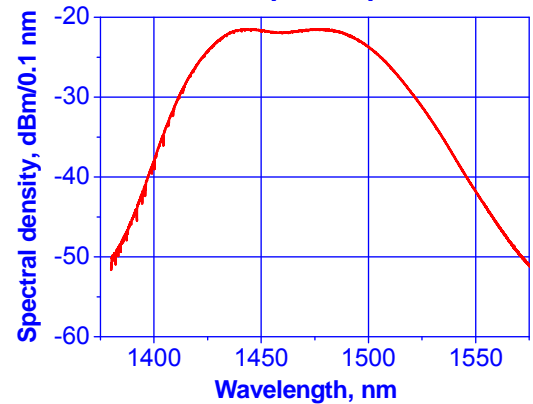
Fiber: Corning SMF 28

A maximum feedback of 10^{-3} is allowed to run BroadLighters D1460, D1500, D1550 safely at full power.

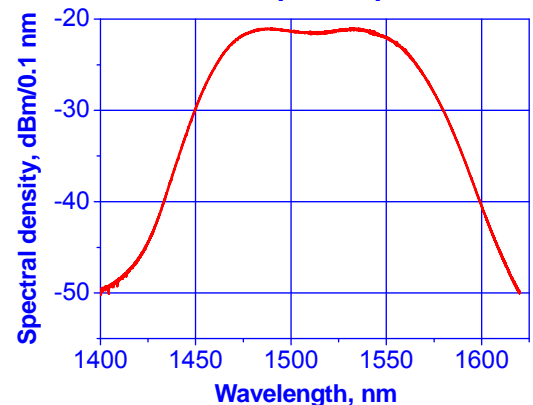
All specifications are subject to change without notice.

PERFORMANCE EXAMPLES

D1460, optical spectrum



D1500, optical spectrum



D1550, optical spectrum

