

SLD LIGHT SOURCE

THE PERFECT LIGHT SOURCE FOR C/DWDM PASSIVE- COMPONENT TESTS

9 SLD, 6 SLD and 5 SLD
Version available

Top features Fibolux

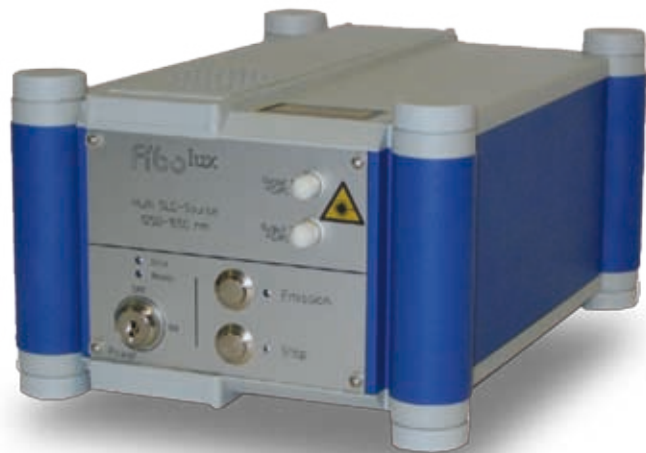
- Spectral range 1250–1650 nm
- Spectral power density –30 dBm/nm minimum
- Minimum –25 dBm/nm at 360 nm of spectral range
- Total power 40 mW typical Power stability
- 20 mdB at 15 min
- Two parallel light outputs (FC/APC)

Applications in the range 1250 -1650nm

- Passive and active component test
- Spectral loss measurement
- C/DWDM applications
- Filter development
- Bragg Grating Monitoring

Specifications (@23°C)

- Spectral range 9 SLD and 6 SLD:
1250 nm - 1650 nm
- Spectral range 5 SLD:
1280 nm - 1330 nm and
1420 nm - 1650 nm
- Spectral power density:
min. -30 dBm/nm @spectral
range min. -25 dBm/nm @
360 nm of spectral range
(9 SLD Version); -35dBm/nm @
spectral range (6SLD Version)
- Total power: typ. 40 mW
(9 SLD Version); typ 15mW
(6 SLD Version)
- Power stability: ± 20 mdB @15 min
- Size: 210 x 290 x 145 mm
- Weight: 3 kg
- Environmental condition:
noncondensing 5°C - 35°C
(operation) -20°C - 60°C - (storage)



THE PERFECT LIGHT SOURCE FOR C/DWDM PASSIVE-COMPONENT TESTS

First depolarised SLD broadband light source for C/WDM applications

The fibolux light source provides a depolarised output which is well suited for analysis of CWDM components. The Wavelength range covers the area from 1250 nm – 1650 nm and therefore suits perfectly for CWDM and DWDM applications.

Continuous (CW) light output

Modern and fast measuring OSA such as the AQ6370 from Yokogawa do support high speed sweeps. It measures so quickly that the modulation of the Super Continuum based light sources becomes an issue. This SLD source provides the high output power in continuous mode (CW) which enables the highest available sweep mode of up-to-date OSA.

Two outputs with isolator

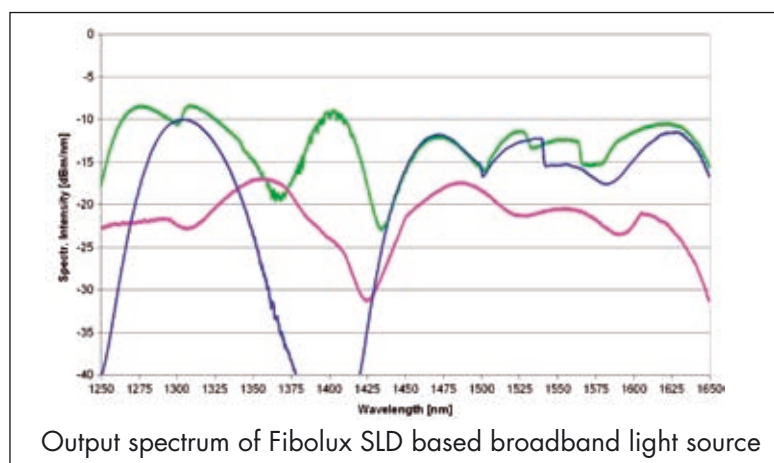
To eliminate back reflection and resulting interference the fibolux light source is equipped with isolators at both outputs. Due to this even a total reflection does almost not result in any change of the output power or wavelength.

9 SLD, 6 SLD and 5 SLD Version available

To reduce costs but keep stability and depolarised performance the light source is available with either 9, 6 or 5 SLDs. The 9 and 6 SLD version is covering the full range from 1250 to 1650nm while the 9SLD Version supports a higher spectral density and the 6 SLD version supports a low price. The 5 SLD Version is covering 1280-1330nm and 1420-1650nm.

SLD based Fibolux light source covering the whole CWDM band

The Fibolux broadband source combines the light from multiple SLD sources to achieve a flat broadband spectrum with high spectral power density. The light is depolarised by a Lyot-type depolariser, making it ideal for fibre-optic component tests.



SLD9-green
SLD6-purple
SLD5-blue

Further OSA for the range 1200-2400nm available!

QUALITY ■ INNOVATION ■ FORESIGHT