

# SUPER LUMINESCENT DIODE SOURCE LUMINEUSE SLD

**Phonoptics** manufactures fiber optic sensors for use in harsh environments. Within the framework of its developments, Phonoptics offers its know-how in terms of optical sources.



Until recently, two choices of optical source were available on the market: Laser or LED.

The former have high power in small core fibers. The latter have power stability and a wide spectrum.

Combining high power and wide spectra in a small core fiber was impossible.

Until the arrival of new optical sources: the SLD or Super Luminescent Diode. They combine high power (several mW in a single mode fiber) and wide spectrum (up to 110nm or more per combination). The stability is better than 0.1dB over 24h and the INR is limited to the photon noise (with our proprietary electronics).

Unfortunately the choice remains very limited depending on the type of housing desired.

Available either in Butterfly version for research or in Benchtop laboratory version.

What about a plug&play version for an industrial or laboratory who doesn't want to waste time configuring a source, with the risk of breaking the fiber or the chip itself?

Phonoptics offers for the first time these SLD light sources. Easy to use, for the production or research sector. With the widest choice on the market: up to 80 different references. And all this at an unbeatable price!

## CONTACT US

8 Rue Jean Mermoz,  
91080 Évry-Courcouronnes

+33 9 86 60 83 56  
[www.phonoptics.fr](http://www.phonoptics.fr)



# Detailed specifications



## At the front

Power adjustment	1 button from 0 to 100%.
Output	FC/APC (other on request)
Illuminated indication	an on/off button

## At the back

Input	5V $\mu$ USB
Wavelength	650nm to 650nm
Spectral width	10 to 110 nm (width at half height FWHM)
Power	0.2mW to 90mW in singlemode fiber (SM or PM)
Coherence length	Up to 5 $\mu$ m



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