

HIGH STABILITY FC CONNECTOR OUTPUT LD LIGHT SOURCE LSL002 SERIES

High stability DC-LD light source unit with FC connector output type.

LSL002 series is FC connector output type, high stability DC-LD light source unit. As is FC connector output type lightsource, various optical fibers on the market are available. Furthermore, as optional version, it is available to prepare polarization mainraining optical fiber output. As various types of laser diodes on the market are set in, it is possible to choose from various types such as wavelength, output power, etc.

[Features]

- Easy to use because of all-in-one unit including light source, driver circuit, power supply, etc.
- Because of using laser diode on the market, it is possible to choose various type of light source in power, wavelength, etc.
- High stability in output power and wavelength with APC and temperature control.
- As standard version, it is singlemode fiber and FC connector output. As optional version, it is available to prepare polarization mainraining optical fiber output.

[Summary of specifications]

- Optical output: approx. 1mW (standard)
- *Special specifications such as high output are available as an option.
- Optical output connector: SMF+FC connector (standard)
PMF+FC connector (option)
- LD driver: APC+temperature control by peltier device
- Output stability: typ.±1%
- Power supply: AC100V±10%、50/60Hz

[Standard component]

- Main unit: 1
- Power supply cable: 1
- Key for key switch: 1



[LD selection]

Peak wavelength (nm)	375	405	488	520	635	658	785	850	980	1064	1310	1550
Wavelength tolerance (nm)	±5	±5	±5	±10	±10	±10	±10	±15	±10	±10	±20	±30
Max. output power (mW)	1	1	1	1	1	1	1	1	1	1	1	1
Power stability (%)	±1	±1	±1	±1	±1	±1	±1	±1	±1	±1	±1	±1
Mode field diameter (μm)	2.2	3	3.5	3.5	4.5	4.5	5.0	5.0	5.9	5.9	9.2	10.4
N.A.	0.13	0.13	0.12	0.12	0.12	0.12	0.13	0.13	0.14	0.14	0.14	0.14

COMPACT TYPE SMF OUTPUT LD LIGHT SOURCE LSL011 SERIES

Compact and SMF output type LD light source unit with SM fiber output type. Low cost and easy to use.

LSL011 series is compact and SMF output type LD light source unit. As is SM fiber output type lightsource with LD, driver circuit, TEC, power supply, it is very easy to use. As various types of laser diodes on the market are set in, it is possible to choose from various types such as wavelength, output power, etc. Pulse emmission is also available with external TTL trigger input.

[Features]

- Easy to use as is all-in-one unit with SM fiber, driver circuit, TEC, power supply.
- Because of using laser diode on the market, it is possible to choose various type of light source in power, wavelength, etc.
- High stability in output power and wavelength with ACC and temperature control.
- Pulse emmission with external TTL trigger input.



[Summary of specification]

- Light source module: SMF coupling FP-LD
- Fiber length: 50cm or more
- Output connector: FC/PC
- Drive control: ACC and temperature control
- Pulse emission: TTL input (high : on, low : off)
maximum repetition > 1kHz
(except 532nm)
- Power supply: AC100-240V 50/60Hz 0.3A
- dimension, weight: 60(W) x 50(H) x 120(D)mm/400g
(except prodection component)
AC100V±10%、50/60Hz

[Standard component]

- Main unit: 1

[LD selection]

Peak wavelength (nm)	375	405	445	473	488	520	635	660	785	850	980	1064	1310	1550	1620
Wavelength tolerance (nm)	±5	±5	±5	±5	±5	±10	±10	±10	±10	±10	±10	±10	±10	±10	±15
Max. output power (mW)	1	1	10	10	10	10	5	10	10	10	10	10	10	10	4
Power stability (%)	±1	±1	±1	±1	±1	±1	±1	±1	±1	±1	±1	±1	±1	±1	±1
Mode field diameter (μm)	2.9	2.9	2.9	3.5	3.5	3.5	4.0	4.0	5.0	5.0	4.2	4.2	9.0	9.0	9.0
N.A.	0.12	0.12	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.14	0.14	0.13	0.13	0.13