

## 1250-1650nm High Power SLD (SLED) Broadband Light Source

### Product Description:

The VENUS series 1250-1650nm high-power SLD (SLED) light source of Connet is a high-stability source designed for scientific research and industrial production with the high-power, broadband SLD (SLED) module being installed internally. It covers different intervals within the scope of 1250~1650nm. The output power and the spectral width are optional to meet the requirements of customers in different application areas. The control system based on advanced microprocessors, combined with high-precision ATC and ACC (APC) control circuits, achieves a high and stable output of the laser, while ensuring fast and intuitive control of the light source. Connet can offer the corresponding communication interface and control software according to the requirement of the user in order to achieve computer control.



Aiming at special characteristics of SLD (SLED) laser, the SLD (SLED) light source of Connet employs the specialized protective measurement on circuit design and optical path processing in order to protect the laser from the reflected light and the surge of current or voltage, thus ensuring that the light source can be operated safely and stably in a long time.

The VENUS series SLD (SLED) light sources of Connet are the highly integrated systems. The benchtop sources use the high-definition LCD which can display the current and the voltage synchronously and the output power also can be continuously tunable. They are suitable for scientific research and industrial production.

### Applications:

- Fiber optic device testing
- Fiber optic sensing
- Optical Coherence Tomography(OCT)
- Biochemical medical imaging equipment
- Other lab applications

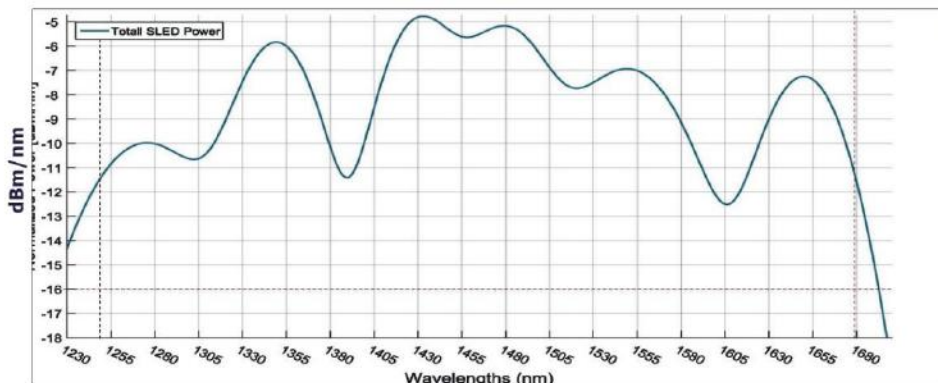
### Features:

- Output power up to 10mW
- Operating wavelength range: 1250-1650nm
- Multiple safety protection
- High stability and high reliability
- LCD display
- High precision ATC and ACC control circuit

### Specifications:

Parameter	Unit	Specification		
		Min	Typ.	Max
Part no.		VLSL-1250~1650-B		
Output power	mW	0.2	-	10
Operating wavelength	nm	1250	-	1650
Spectral density	dBm/nm	-	-30	-
Spectral flatness	dB	-	10	-
Output isolation	dB	30	-	-
Output power Stability (15mins)	%	-	-	±0.5
Output power Stability (8h)	%	-	-	±1.5
Output power tunable range	%	0	-	100
Output power tunable mode		Coarse / Fine		
Operating voltage	V <sub>AC</sub>	100-240		
Power consumption	W	-	-	5
Operating temperature	°C	0	-	+50
Storage temperature	°C	-40	-	+85
Output fiber type		SMF-28e		
Output fiber length	m	> 1		
Optical connector		FC/APC (other options available)		
Dimension	mm	430(L)×450(W)×105(H)		

**Spectrum:** (The output spectrum is related to output power.)



### Ordering Information:

- VLSL-1250~1650-B-<PW>-<SP>
- PW: Output power in mW. Example: 1-1mW, 10-10mW
- SP: Output isolator. 0-None, 1-Yes