

## Supercontinuum Source SC-5

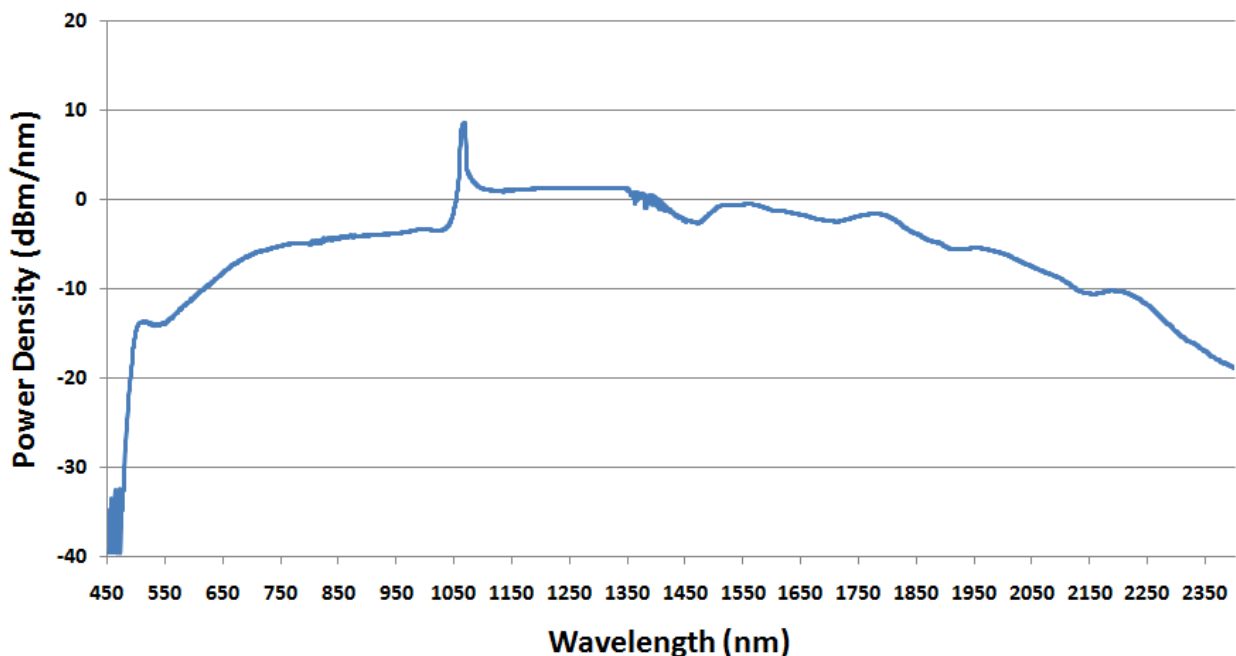
YSL Photonics' SC-5 is a cost effective supercontinuum source with fiber collimated output or single mode FC connector output. With a total output power of more up to 1W covering a broad spectral range of 450nm to 2400nm, the system is an ideal light source for fiber component characterization, fiber sensing, OCT and other areas. SC-5 can replace the traditional ASE, SLD and Lamp systems in many applications.

### Key Features:

- >1W Total Power
- 450nm-2400nm
- Spectrum Power Density >-10dBm/nm
- Spectrum Stability <0.1dB
- Bluetooth Connection
- With anti-reflection isolator

### Applications:

- Fiber component characterization
- Fiber sensing
- OCT
- Industry inspection
- Broadband spectroscopy
- Fluorescence spectroscopy




SC-5 Typical Spectrum

## Specifications :

| Model                               | SC-5  |
|-------------------------------------|---|
| Total Power (Full Spectrum)         | >1W   |
| Wavelength                          | 450nm-2400nm  |
| Spectrum Power Density (800-1700nm) | >-10dBm/nm  |
| Spectrum Stability (800-1700nm)     | <0.1dB  |
| Repetition Rate                     | 5MHz  |
| Output                              | Fiber collimated output<br>*Single mode fiber with FC connector output for optional |
| Beam Quality                        | $M^2 < 1.1$   |
| Fundamental Pulse Width             | ~ 100ps   |
| Length of Output Fiber              | 1.5m  |
| State of Polarisation               | Unpolarised   |
| Computer Interface                  | USB and Bluetooth Connection  |
| Sync(trigger) Output                | SMA   |
| Power Requirements                  | 100-240V,50/60Hz  |
| Dimensions(W* L* H)                 | 300*245*70 mm   |

\*Single mode fiber with FC connector: >800mW total power, 470-2400nm

\* SC — 5 — 



| Connector |
|-----------|
| FC/APC    |
| FC/PC     |
| CFS       |