

# BWC-SCL

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## BWC-SCL Ultra-Bright Supercontinuum Light Source



BWC-SCL series ultra-bright supercontinuum light source provides a spectral covering from 500nm to 1750nm with a spectral “flatness” of better than 5 dB over the entire working wavelength range. Integrated as a compact turnkey system, it features the best performance to cost ratio.

### Key Features

- *High output power*
- *Broad and flat spectrum*
- *High degree of spatial coherence allowing tight focusing*
- *Various fiber optic connector options*
- *Best performance to cost ratio*

### Applications

- Fiber or optical component attenuation measurement
- Interferometry
- Spectroscopy
- Optical Coherence Tomography

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## Specifications

Typical Specifications		Unit
Average Power at Fiber End	>10	mW
Peak Power	~2	kW
Spectral Width	500-1750	nm
Power Spectral Density	>-30 >1	dBm/nm uW/nm
Pulse Repetition Frequency	2-8	kHz
Pulse Duration	~1	ns
Transverse Mode Shape	TEM <sub>00</sub>	
Stability (>15min)	±0.5	dB

Electrical		Unit
Input Power	100-240VAC	@ 1Amp
Mechanical		
Physical Dimensions	200(w) x 120(h) x 300(d)	mm
Cooling	Internal Thermal Electric Cooler	
Weight	~8	lbs
Environmental		
Ambient Temperature	10-35	°C
Storage Temperature	-10-50	°C
Humidity	5-95%, non-condensing	

## Typical Spectral emission curves

