



SUPERLUM
The driving pulse of SLD technology

SUPERLUM is the industry leading manufacturer of powerful and wide spectrum superluminescent diodes in various spectral ranges. For over 25 years, our state-of-the-art superluminescent diodes and modules have been used in various sectors, including Avionics, Healthcare, Industrial Sensing and other important applications.

■ Superluminescent Diodes and Modules

Our main products are SM and PM fiber pigtailed SLD modules based on single transverse mode SLD emitters. We also offer multimode fiber pigtailed SLD modules in visible (670 nm) and NIR spectral bands.



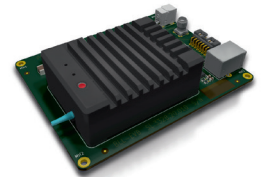
■ Semiconductor Optical Amplifier modules

We offer wide spectrum, high gain fiber-coupled Semiconductor Optical Amplifier modules at 670 – 1060 nm.



■ BLL OEM Ultra-Compact SLD Light Source for PCB On-Board Integration.

Our newest BLL driver is Ultra-Compact Broadband Light Source with integrated SLD modules. It is suitable for PCB on-board integration. Optional BLL Evaluation Board with a USB interface allows rapid evaluation and testing. The BLL with an Evaluation board can be used as a stand-alone DC driven light source during your development process.



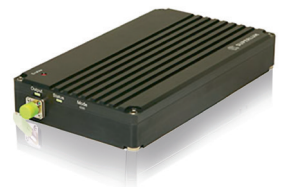
■ SLD-mCS-series Miniature Broadband Light Source Modules

SLD-mCS-series Miniature Broadband Light Source Module is a stand-alone DC driven light source for OEM applications. A high-precision, low drift, and low noise SLD current and temperature controller powers the SLD module inside the light source. The driver ensures excellent stability of parameters over wide operating temperature range.



■ cBLMD-series Compact Broadband Light Source Modules

cBLMD-series Broadband Light Source Module is a compact, powerful, and very wide spectrum light source. cBLMD targets high resolution OCT and other applications. Up to three SLDs can be combined inside. cBLMD modules are available with optional internal optical isolators and variable optical attenuators.



■ BroadLighters. Benchtop Broadband Light Sources

Superlum Broadlighters are high power, extremely broadband, very low coherence AC powered benchtop light sources for laboratory use across various industries. They are based on the most powerful broadband Superlum SLDs and can be custom-made with any SLD from our portfolio. Superlum Broadlighters found success in many applications, including Ultra High Resolution Spectral Domain OCT.



www.superlumdiodes.com
www.superlum.ie





Superluminescent Diodes and Modules.
Temperature Controlled Single Mode Free Space and Fiber Pigtailed BTF packaged SLDs.

Part number	Center wavelength, nm	Typical 3 dB Spectrum width, nm	Power, mW, fiber/free space
S670.10.1	670	10	1.5
S670.8.5	670	8	5
S670.7.10	670	7	10
S780.14.10	780	14	10
S780.14.15	780	14	15
New! S780.14.20	780	14	20
New! S830.70.10*	830	70	10
S840.25.12	840	25	12
S840.25.20	840	25	20
New! S840.25.30	840	25	30
New! S840.35.12	840	35	12
New! S840.50.10	840	50	10
New! S840.50.15	840	50	15
New! S840.50.25	840	50	25
New! S1060.80.5	1060	80	5
New! S1060.80.10*	1060	80	10

Please note that we are working on adding new SLD part numbers to our portfolio.
For most up-to-date information, please visit <https://www.superlumdiodes.com/superluminescent-diodes.htm>

Semiconductor Optical Amplifier modules. Traveling wave amplifier modules.

Part number	Center wavelength, nm	3 dB bandwidth, nm	Max. output power, mW	Small signal gain, dB
A840.50.20	840	50	20	23
New! A850.25.50	850	25	50	23
A1060.65.20	1060	65	20	23

Please note that we are working on adding new SOA part numbers to our portfolio.
For most up-to-date information, please visit <https://www.superlumdiodes.com/soa.htm>

cBLMD-series Compact, Optically Isolated Broadband Light Source Modules.

Part number	Center wavelength, nm	3 dB bandwidth, nm	Max. output power, mW
cBLMD-S670.7.7-I	675	7	7
New! cBLMD-S780.14.15-I	780	14	15
cBLMD-S840.50.15-I	840	50	15
cBLMD-S840.50.12-I-VOA	840	50	12
cBLMD-S850.25.20-I	850	25	20
New! cBMLD-D890.180.10	890	180 (6 dB)	10
cBLMD-S1060.75.10-I	1060	75	10

Please note that we are working on adding new cBLMD part numbers to our portfolio.
For most up-to-date information, please visit <https://www.superlumdiodes.com/cblmd-series.htm>

Broadlighters. Benchtop Broadband Light Sources.

Part number	Center wavelength, nm	3 dB bandwidth, nm	Max. output power, mW
M-S670.7.7-I	675	7	7
New! M-S780.14.15-I	780	14	15
M-S840.50.15-I	840	50	15
M-S840.50.12-I-VOA	840	50	12
M-S850.25.20-I	850	25	20
New! M-D890.180.10	890	180 (6 dB)	10
M-S1060.75.10-I	1060	75	10

Please note that we are working on adding new BroadLighter part numbers to our portfolio.
For most up-to-date information, please visit <https://www.superlumdiodes.com/brl-m-s-series.htm>

