



SUPERLUM
The driving pulse of SLD technology

SUPERLUM is the industry leading manufacturer of state-of-the-art, ultimate quality superluminescent diodes and light sources, semiconductor optical amplifiers and tuneable swept lasers

M-S-series BroadLighters. Benchtop Broadband Light Sources

Superlum M-S-series BroadLighters, are high-power, very wide spectrum and low coherence benchtop light sources based on a superluminescent diode modules (SLDs). All standard light sources have an **appropriate built-in optical isolator** to protect the SLD from optical feedback.

Superlum offers two types of M-S BroadLighters, with and without Variable Optical Attenuator (VOA). The former has the suffix «-VA» in the model number. Output spectrum remains nearly unchanged at any power in the models equipped by VOA.



Features

- Very high output power exceeding 30 mW in selected models
- Wide optical spectrum
- Short coherence length
- Changeable output power
- -30 dB peak optical isolation
- Models with optical attenuators
- Remote control through USB or by TTL
- Wide input range power supply unit (100–240 V AC)
- Customization
- Two years warranty

Physical Specifications

- Overall dimensions (W x H x D): 251 x 112 x 192 mm (9.88 x 4.41 x 7.56 inches)
- Weight (max): 4 kg

Electrical Power Specifications

- 100–240 V AC, 50/60 Hz, 40 VA MAX

www.superlumdiodes.com
www.superlum.ie

Superlum Diodes Ltd, Unit B3, Fota Point Enterprise Park, Carrigtwohill, CO.Cork, IRELAND.
Ph. +353-21-4533666 / Fax. +353-21-4533026 / E-mail: sales@superlum.ie



All M-S-series BroadLighter light sources are equipped by the master key control, remote interlock connection, visual/audible alarm, informational warning stickers, etc.

Optical characteristics of standard models without VOA

Model number	Center wavelength (nm)	Spectral width, FWHM (nm)		Output power, SM (mW)	
		Min	Typ	Min	Typ
M-S-670-G-I-4	670 ± 10	6	7	4.0	5.0
M-S-785-B-I-15	785 ± 10	40	45	15.0	20.0
M-S-795-G-I-15	795 ± 5	13	15	15.0	20.0
M-S-840-B-I-7	840 ± 10	45	50	7.0	9.0
M-S-840-B-I-15	840 ± 10	45	50	15.0	20.0
M-S-840-G-I-20	840 ± 10	20	25	20.0	25.0
M-S-840-G-I-30	840 ± 10	20	25	30.0	35.0
M-S-850-G-I-20	850 ± 10	15	20	20.0	25.0
M-S-880-G-I-10	880 ± 10	30	40	10.0	15.0
M-S-1050-G-I-15	1050 ± 10	30	35	15.0	20.0
M-S-1050-B-I-10	1050 ± 10	60	70	10.0	15.0

Optical characteristics of standard models with VOA

Model number	Center wavelength (nm)	Spectral width, FWHM (nm)		Output power, SM (mW)	
		Min.	Typ.	Min.	Typ.
M-S-785-B-I-15-VA	785 ± 10	40	45	15.0	16.0
M-S-840-B-I-15-VA	840 ± 10	45	50	15.0	16.0



To get more information, please visit us by following this QR code: