

SLE-IV-B multi-channel light engine

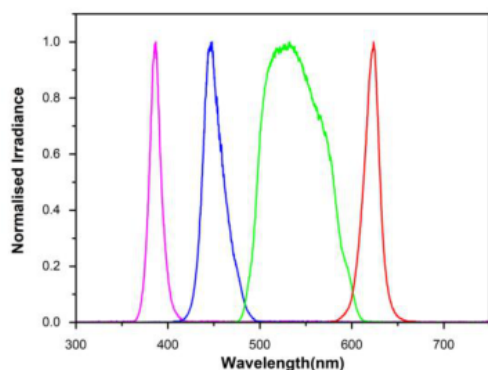
SLE-IV-B combines 4 optical channels with LED peaks at 385 nm/460 nm/555 nm/625 nm. Compare channel powers, control, optical delivery and cooling as one illumination system.

Model specifications

Parameter	Specification
Model	SLE-IV-B
Channel count	4
Published spectral range	375-640 nm
LED peak wavelengths	385 nm/460 nm/555 nm/625 nm
Lifetime	20000 h
Output power	950 mW@385 nm; 3200 mW@460 nm; 1600 mW@555 nm; 780 mW@625 nm; (Output power per source channel is dependent on filter bandpass)
Intensity control	Four independent controls, 0-100% dimming, accuracy of 1%
Rise / fall time (10-90%)	Rising/ Descending Edge (10%-90%) <50 microseconds
Operating Mode	Continuous Output, Default TTL Modulation (Analog Modulation Optional)
Computer control	Support RS232 host computer control
Control Options	SMA - External trigger TTL signal (external trigger analog modulation optional); Serial Interface (RS232) - Light Output ON/OFF and brightness adjusting; Manual control box (optional) - Light Output ON/OFF and brightness adjusting
Operating Temperature	10-35°C
Power input	DC12 V
Cooling	Air Cooled
Source warranty term	1 Year
Housing dimensions (reference)	263.2 mm×192.5 mm×74 mm (Reference)

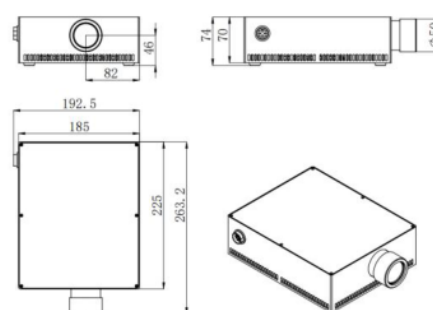
Output and spectral coverage belong to this configuration; they do not describe a continuously tunable source.

Relative emission spectrum



Normalized spectral output; peaks and channel powers are tabulated separately.

Mechanical drawing



Mechanical outline and interface dimensions in millimeters; use the drawing for mounting.