

SLE-VI multi-channel light engine

SLE-VI combines 6 optical channels with LED peaks at 365 nm/440 nm/470 nm/555 nm/630 nm/730 nm. Compare channel powers, control, optical delivery and cooling as one illumination system.

Model specifications

Parameter	Specification
Model	SLE-VI
Channel count	6
Published spectral range	360-750 nm
LED peak wavelengths	365 nm/440 nm/470 nm/555 nm/630 nm/730 nm
Output power	800 mW@365 nm; 700 mW@440 nm; 700 mW@470 nm; 700 mW@555 nm; 500 mW@630 nm; 500 mW@730 nm; (Output power per source channel is dependent on filter bandpass and light guide diameter)
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
Optical delivery	3 mm diameter liquid optical waveguide (LLG)
Operating Temperature	10-35°C
Power input	100-240VAC; 50/60HZ
Cooling	Air Cooled
Housing dimensions (reference)	264 mm×129 mm×199 mm (Reference)
Source warranty term	2 Years

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

Six optical channels are listed, while the source control row says four independent controls. Confirm the addressing arrangement for the six-channel build. The model PDF specifies 360-750 nm.

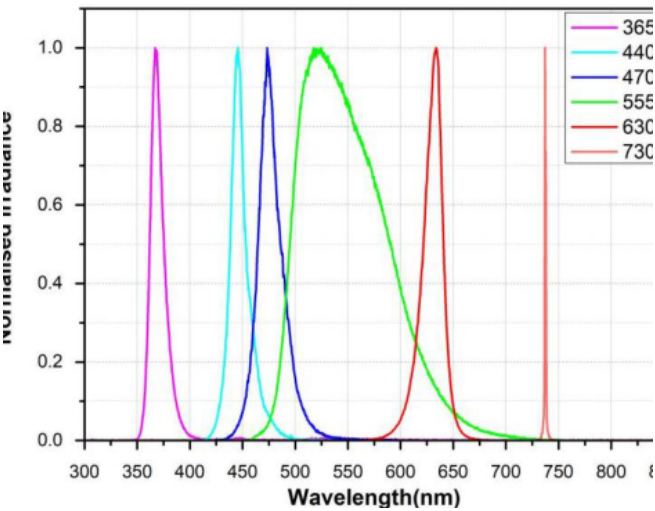
Channel configuration and optical references

Customized channel choices

Choose one of the listed wavelengths for each channel. These are alternative custom configurations, not additional simultaneous channels in the standard product.

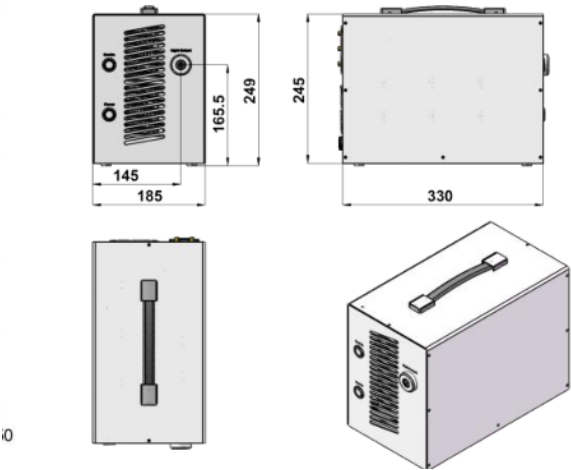
Channel	Selectable wavelength	Minimum power in wavelength order
1 / UV	365 / 385 / 405 nm	≥ 700 / ≥ 700 / ≥ 700 mW
2 / Blue 1	440 nm	≥ 700 mW
3 / Blue 2	470 nm	≥ 700 mW
4 / Green	525 / 555 / 579 nm	≥ 600 / ≥ 600 / ≥ 400 mW
5 / Red	630 / 650 nm	≥ 500 / ≥ 500 mW
6 / Infrared	730 nm	≥ 300 mW

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.