

Fiber-coupled LED sources

Choose a discrete LED wavelength, then compare delivered power at each fiber core diameter and numerical aperture. The optical SMA output and 4-pin electrical connector serve different interfaces.

SLE-D: Deep ultraviolet · NA 0.22

All four fiber core columns give output power in mW. Output power is listed at the fiber output for each core diameter. Match the numerical aperture (NA) to your delivery optics.

Wavelength (nm)	Model	Bandwidth (nm)	200 μm	400 μm	600 μm	1000 μm	Lifetime (h)
254	SLE-D	12	0.1	0.3	0.5	0.67	>20000
270	SLE-D	13	0.06	0.34	0.76	1.7	>20000
280	SLE-D	16	0.14	0.69	1.20	2.7	>20000
290	SLE-D	12	0.14	0.68	1.40	3.1	>20000
310	SLE-D	14	0.17	0.78	1.47	3.3	>20000
325	SLE-D	12	0.23	0.93	1.28	2.87	>20000
340	SLE-D	10	0.27	1.10	2.15	4.3	>20000

SLE-D: Ultraviolet · NA 0.39

All four fiber core columns give output power in mW. Output power is listed at the fiber output for each core diameter. Match the numerical aperture (NA) to your delivery optics.

Wavelength (nm)	Model	Bandwidth (nm)	200 μm	400 μm	600 μm	1000 μm	Lifetime (h)
365	SLE-D	15	10	34	48	220	>20000
385	SLE-D	11	9	24	58	185	>20000
390	SLE-D	13	3	12	23	73	>20000
395	SLE-D	12	3	11	22	70	>20000
400	SLE-D	14	3	11	21	70	>20000
405	SLE-D	15	4	16	25	90	>20000

SLE-D: Optical, electrical and mechanical interface

Parameter	Specification
Output	Multimode fiber-coupled LED
Listed wavelengths	254-405 nm
Fiber core diameters	200 / 400 / 600 / 1000 micrometers
Numerical aperture	0.22 (254-340 nm); 0.39 (365-405 nm)
Optical connector	SMA
Electrical connector	4-pin female; match the LED controller
Housing dimensions	87.4 x 65 x 50.5 mm
Lifetime in output tables	>20000 hours
Lifetime in feature overview	10000 hours

SLE-S: Visible & near infrared · NA 0.39

All four fiber core columns give output power in mW. Output power is listed at the fiber output for each core diameter. Match the numerical aperture (NA) to your delivery optics.

Wavelength (nm)	Model	Bandwidth (nm)	200 µm	400 µm	600 µm	1000 µm	Lifetime (h)
410	SLE-S	18	2	10	16	55	>20000
420	SLE-S	21	2	10	18	67	>20000
430	SLE-S	14	8	33	56	150	>20000
450	SLE-S	16	3	20	30	85	>20000
460	SLE-S	17	2.5	11.8	20	43	>20000
470	SLE-S	21	4	19	29	70	>20000
480	SLE-S	22	2	7.5	17	40	>20000
500	SLE-S	26	1.5	6	13	25	>20000
520	SLE-S	28	1.5	8	17	40	>20000
530	SLE-S	26	1	5	8	20	>20000
554	SLE-S	32	0.4	1.2	3	9	>20000
560	SLE-S	45	0.9	3.59	7.62	13.64	>20000
580	SLE-S	16	0.35	1.36	2.88	4.77	>20000
590	SLE-S	13	0.5	2	4	12	>20000
600	SLE-S	15	1	5	8	25	>20000
630	SLE-S	16	2	11	18	45	>20000
640	SLE-S	15	2.5	12	21	53	>20000
655	SLE-S	14	1	6	10	30	>20000
670	SLE-S	22	4.1	16	31	47	>20000
680	SLE-S	15	2	7.5	20	34	>20000
700	SLE-S	17	3.7	13.5	30	50	>20000
710	SLE-S	21	4	16	31	47	>20000
730	SLE-S	24	3	13	25	65	>20000
750	SLE-S	24	4	14	30	51	>20000
760	SLE-S	20	3	15	28	64	>20000
780	SLE-S	21	2	10	17	43	>20000
810	SLE-S	31	3.3	13	26.6	42.4	>20000
820	SLE-S	32	2.7	10.6	21.5	35	>20000
850	SLE-S	36	5.6	21.5	37	78	>20000
880	SLE-S	38	3	12.3	23.5	38.3	>20000
910	SLE-S	20	2	10	17	43	>20000
920	SLE-S	40	2	11	18	47	>20000
940	SLE-S	58	1	6	10	26	>20000
980	SLE-S	60	3	13.5	27	44.5	>20000

Wavelength (nm)	Model	Bandwidth (nm)	200 μm	400 μm	600 μm	1000 μm	Lifetime (h)
1020	SLE-S	50	1.5	6	15	40	>20000
1050	SLE-S	55	1.5	7	15	40	>20000
1080	SLE-S	60	2	12	25	60	>20000
1110	SLE-S	65	2	10	20	50	>20000
1200	SLE-S	80	0.4	1.5	3	8	>20000

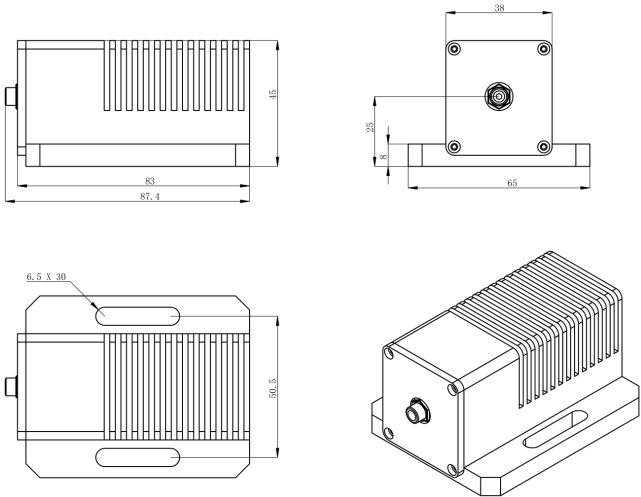
SLE-S: Optical, electrical and mechanical interface

Parameter	Specification
Output	Multimode fiber-coupled LED
Listed wavelengths	410-1200 nm
Fiber core diameters	200 / 400 / 600 / 1000 micrometers
Numerical aperture	0.39
Optical connector	SMA </td
Electrical connector	4-pin female; match the LED controller
Housing dimensions	46.5 x 64 x 32 mm
Lifetime in output tables	>20000 hours
Lifetime in feature overview	10000 hours

The output tables state >20000 hours while the feature overview states 10000 hours. These source figures are shown separately; confirm the lifetime specification for the selected build.

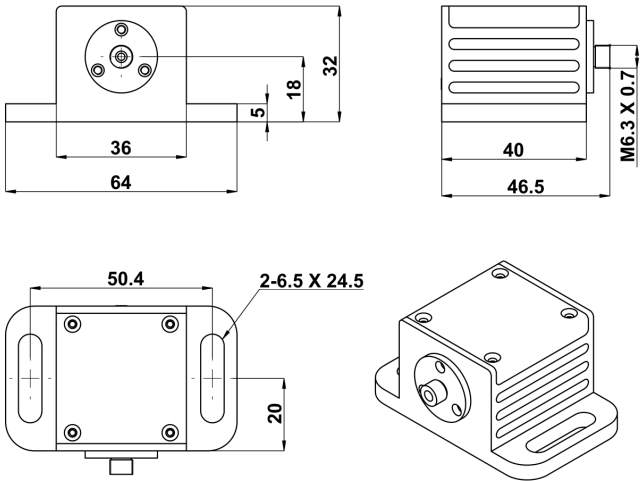
The table includes 254 nm despite differing wavelength ranges in the introductory text. Select from the tabulated configurations.

Mechanical drawing



SLE-D mounting and connector dimensions in millimeters.

Mechanical drawing



SLE-S mounting and connector dimensions in millimeters.