



LEXEL™ 85/95 SERIES - WAVELENGTH AND POWER SPECIFICATIONS¹⁻⁴

Guaranteed fundamental mode power, using standard TEM₀₀ reflectors unless otherwise indicated

Version	Argon Lasers								Krypton Lasers ³		
	85	95			95L (longer)				85	95	95L
85/95 Model	85-1	95-2	95-3	95-4	95L-4UV	95L-5	95L-6	95L-7	85-K	95-K	95-K ³
Multiline Operation, power in watts - Simultaneous operation of 514.5 through 476.5 and 457.9nm lines using Model											
All lines	1	2	3	4	4	5	6	7	0.225	0.75	1.5
Single Line Operation, power in milliwatts - Using Model 500 Prism Wavelength Selector											
1090 nm ¹	35	60	100	150							
528.7 nm ¹	130	200	250	350		375	420	450			
514.5 nm	400	800	1200	1700	1700	2100	2400	2600			
501.7 nm	45	100	200	300	300	450	480	520			
496.5 nm	100	300	400	600	600	700	750	800			
488.0 nm	350	700	1000	1300	1300	1600	1800	2000			
476.5 nm	100	300	400	600	600	650	720	780			
472.7 nm ²	20	60	140	100	100	200	240	260			
465.8 nm ²	10	30	70	70	70	150	180	200			
457.9 nm	45	150	200	300	300	350	420	450			
454.5 nm ²			5	10		120	140	150			
351-363.8 nm					150						
351.1 nm					75						
85/95 Model	85-1	95-2	95-3	95-4	95L-4UV	95L-5	95L-6	95L-7	85-K	95-K	95-K ³
799.3 nm ¹										30	45
752.5 nm ¹									25	100	200
676.4 nm									50	150	300
647.1 nm ⁴									100	500	1000
568.2 nm											225
530.9 nm											275
520.8 nm											125
482.5 nm											50
476.2 nm											75

¹The 1090, 799.3, 752.5 and 528.7 nm lines each require a special set of mirrors. 1090, 799.3 and 752.2 nm use Model 502 Multiline Mirror Holder.

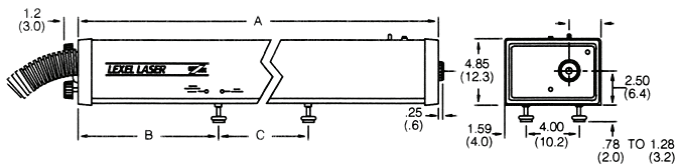
²The 472.7, 465.8 and 454.5 nm wavelengths may require special mirrors to achieve the indicated power.

³Krypton lasers are optimized for the listed red lines. Contact LEXEL™ / Cambridge Lasers Laboratories, Inc. for performance at 568.2 through 456.2 nm.

⁴Single line 647.1 nm may be obtained by using the Prism Wavelength Selector or by using the Model 502 Multiline Mirror Holder and reflectors that select 647.1 nm only.

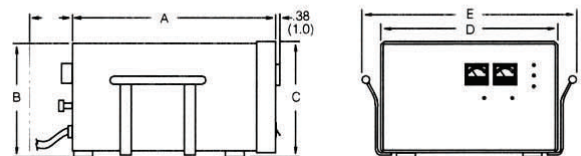
DIMENSIONAL DRAWINGS

Laser Heads



LASER HEADS	DIMENSIONS (inches/cm)			WEIGHTS (lbs/kg)	
	A	B	C	Uncrated	Crated
85 series	34.3 (87.2)	8.25 (21.0)	17.33 (44.0)	50 (23)	91 (41)
95 series	41.5 (105.4)	8.25 (21.0)	24.52 (62.3)	62 (28)	103 (47)
95L series	50.0 (127.0)	11.25 (28.6)	25.75 (65.4)	77 (35)	118 (54)

Laser Power Supplies



POWER SUPPLY	DIMENSIONS (inches/cm)					WEIGHTS (lbs/kg)	
	A	B	C	D	E	Uncrated	Crated
85 series	18.0 (45.7)	7.66 (19.5)	8.00 (20.3)	16.6 (42.2)	19.6 (49.8)	82 (37)	104 (47)
95 series	19.3 (48.9)	10.4 (26.5)	10.8 (27.4)	16.6 (42.2)	20.1 (51.1)	125 (57)	144 (65)