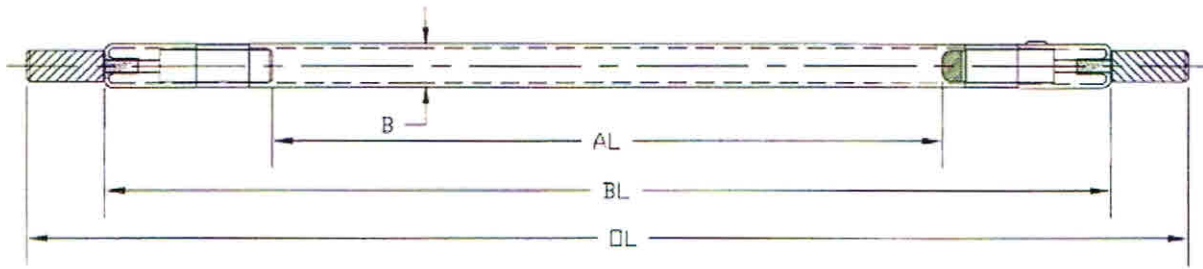


# DC PULSED LAMPS



ITEM	BORE (B) DIAMETER (mm)	ARC (AL) LENGTH (mm)	BODY (BL) LENGTH (mm)	OVERALL LENGTH (OL) (mm)	RECOMMENDED TRIGGER PULSE (KV)	OPERATING VOLTS (MIN)	OPERATING VOLTS (MAX)	AVERAGE MAX POWER WATTS	IMPEDANCE (KO) (OHMS - AMPS)
A	5	75	137	175	16	500	2000	2300	19
B	5	150	212	250	18	600	3000	4500	38
C	6	75	137	175	16	500	2000	2700	16
D	6	150	212	250	18	600	3000	4900	32
E	7	125	187	225	18	700	2700	5200	22
F	7	205	300	350	18	1100	4500	10000	45
G	8	150	212	250	20	1000	3000	7500	24
H	8	300	350	400	20	1600	5000	15000	48
I	10	200	255	305	20	1200	4000	12500	25
J	10	300	355	405	20	1500	5000	18000	38

**NOTES:**

1. LIQUID COOLING REQUIRED IN PULSED ND:YAG LASERS AND DC PUMPED YAG LASERS.
2. FAILURE TO ADEQUATELY COOL LAMPS RESULTS IN SHORTENED LIFETIMES AND INCONSISTENT OPERATION.
3. XENON GAS IS PREFERRED DUE TO ITS HIGHER CONVERSION EFFICIENCY, HOWEVER, AT EXTREMELY LOW POWER DENSITIES KRYPTON GAS IS UTILIZED DUE TO OVERLAP OF ABSORPTION BANDS OF YAG.
4. HIGHER FILL PRESSURES ARE FOUND TO BE MORE EFFICIENT FOR LASER PUMPING BUT LAMPS CAN BECOME EXTREMELY DIFFICULT TO TRIGGER. THEREFORE, DESIGNS OVER 1 ATMOSPHERE ARE LIMITED IN USE.