

SPECIFICATIONS AND ORDERING INFORMATION

Please refer to code LS2004 when placing your order with Newport.
These lamp specifications are nominal and subject to change at any time.

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LampType	Model No.	Special Features	Voltage (V)	Current (A)
Xenon and Mercury (Xenon) Arc Lamps				
75 W Xenon	6247	High, long term stability	15	5.4
75 W Xenon	6251	Very small, bright arc	14	5.4
75 W Xenon, OF	6263	Very small, bright arc	14	5.4
100 W Xenon, OF	6257	Very small, bright arc	14	6.7
150 W Xenon	6253	High UV output	20	7.5
150 W Xenon, UV	6254	Compact Lamp	20	7.5
150 W Xenon, OF	6255		20	7.5
150 W Xenon	6256		20	7.5
300 W Xenon, OF	6258		20	15
300 W Xenon	6259		20	15
450 W Xenon	6261	High UV output	18	25
450 W Xenon, UV	6262		18	25
450 W Xenon, OF	6266		18	25
500 W Xenon, OF	6267	High radiance small arc	17	30
1000 W Xenon	6269	High power from small arc	23	43.5
1000 W Xenon, OF	6271	High power from small arc	23	43.5
200 W Mercury (Xenon)	6291		20-25	8-9.5
200 W Mercury (Xenon), OF	6292		20-25	8-9.5
500 W Mercury (Xenon)	66142	Deep UV output	26	19
1000 W Mercury (Xenon)	6293	High power from small arc	32-38	28.5
1000 W Mercury (Xenon), OF	6295	High power from small arc	32-38	28.5
1600 W Xenon, OF	62711	Very high intensity	24	65
1600 W Mercury (Xenon), OF	62712	Very high intensity	33	48
Mercury Arc Lamps				
50 W Mercury	6282	Small source for fiber optics	22	2.3
100 W Mercury	6281		20	5
200 W Mercury	6283		57	3.5
350 W Mercury	6286		60	6
500 W Mercury	6285	High VIS output	76	6.6
1000 W Mercury	6287		38	28
Enhanced Metal Arc Lamp				
200 W EmArc™	6297	Long life, small arc gap	43	4.65

OF: These lamps have an ozone free quartz envelope which absorbs below ~ 260 nm.

UV: These lamps have an intense arc and a special UV grade fused silica envelope to maximize output between 185 and 250 nm.

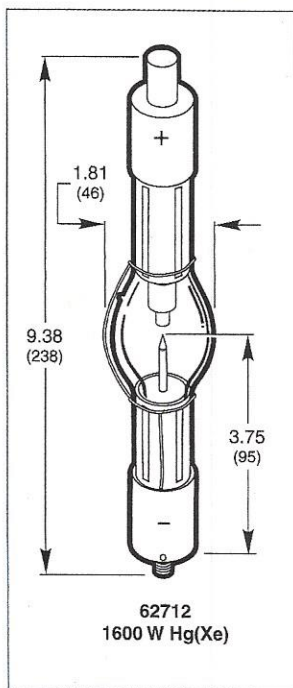
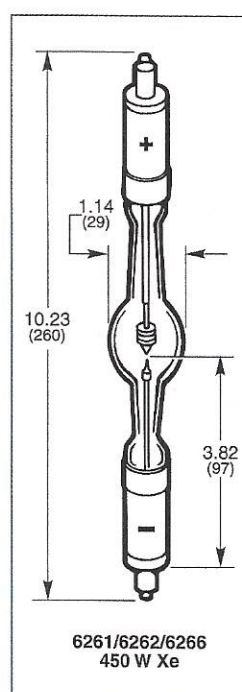
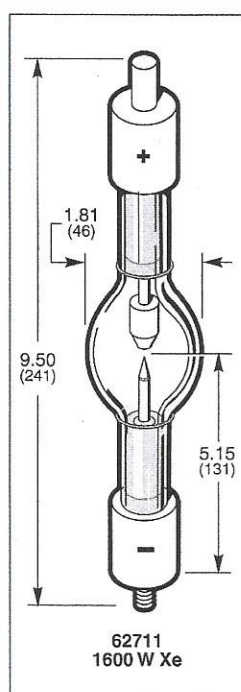
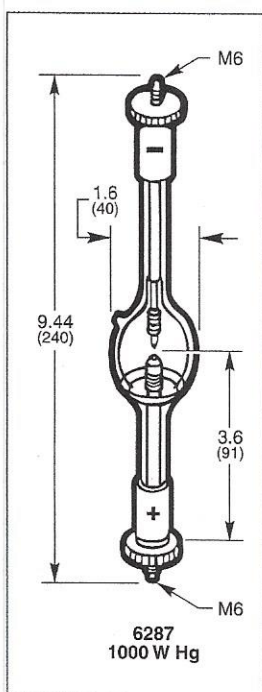
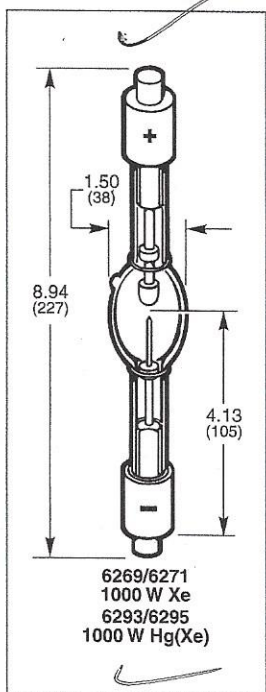
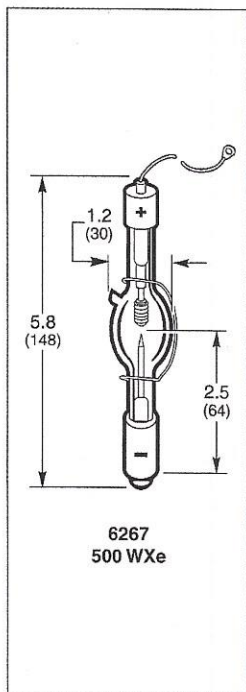
SPECTRAL IRRADIANCE DATA

We show spectral irradiance data for all of our arc lamps on pages 1-23 to 1-27. This is measured data, taken in our Standards Laboratory. See page 1-16 for a diagram and explanation of the radiometric set-up used to acquire the data.

DIMENSIONAL DIAGRAMS

We dimension our arc lamps on pages 4-30 and 4-31.

Horizontal Intensity (Cd)	Approximate Flux (Lumens)	Approximate Brightness (cd mm ⁻²)	Effective Arc Size W x H (mm)	Average Life (hours)	Bulb Diameter (mm)	Model No.
120	1200	300	1.0 x 1.5	1000	13	6247
100	1000	400	0.25 x 0.5	400	10	6251
100	1000	400	0.25 x 0.5	400	10	6263
180	1800	320	0.4 x 0.8	500	11	6257
300	3000	150	0.5 x 2.2	1200	20	6253
300	3000	150	0.5 x 2.2	1200	20	6254
300	3000	150	0.5 x 2.2	1200	20	6255
300	2200	160	0.5 x 1.5	1000	18	6256
700	7000	290	0.7 x 2.4	900	25	6258
700	7000	290	0.7 x 2.4	900	25	6259
1300	13,000	350	0.9 x 2.7	2000	29	6261
1300	13,000	350	0.9 x 2.7	2000	29	6262
1300	13,000	350	0.9 x 2.7	2000	29	6266
1500	13,000	600	1.6 x 1.1	200	30	6267
3000	30,000	400	1.0 x 3.0	1000	38	6269
3000	30,000	400	1.0 x 3.0	1000	38	6271
600	4500	222	0.5 x 1.5	1000	18	6291
600	4500	222	0.5 x 1.5	1000	18	6292
UV Lamp	UV Lamp	UV Lamp	2.5 x 3.0	600	29	66142
5000	40,000	360	1.0 x 3.0	1000	38	6293
5000	40,000	360	1.0 x 3.0	1000	38	6295
5000	48,000	600	1.5 x 3.0	1500	46	62711
54,000	72,000	540	1.5 x 3.0	1000	46	62712
150	1300	900	0.2 x 0.35	200	9.5	6282
260	2200	1700	0.25 x 0.25	200	10	6281
1000	10,000	400	0.6 x 2.2	1000	18	6283
2100	18,000	500	0.8 x 2.7	1000	20	6286
2850	30,000	300	1.1 x 4.1	800	24	6285
5700	45,000	350	3.0 x 2.6	600	40	6287
N.A.	10,000	N.A.	0.3 x 1.0	2000	11	6297



1 2 3 4 5 6 7 8 9 10