

1.5" / 37mm Hollow Cathode Lamp Operating Data

SpectroLamps aim to provide the best ratio of output, sensitivity, noise, stability and life. To ensure optimal conditions for analysis, please use the specified operating data. Please ensure you select the correct current from the data below for your instrument. Should you have any questions please contact SpectroLamps.

Part Number	Element	Wavelength nm	GBC	Shimadzu	Shimadzu	Varian	Varian	Hitachi	Hitachi	Jena
			900 Series	AA600 Series	all others	AAS	30Z / 40Z	Unicam	Unicam	novAA 300
			Avanta	AA6200		Spectra AA	300Z / 400Z	Phillips	Zeeman	novAA 400
			mA	mA	mA	mA	mA	mA	mA	mA
HC001	Aluminium (Al)	309.3	10	10	20	10	8	10	8	6
HC002	Antimony (Sb)	217.6	10	10	20	8	7	10	6	7
HC003	Arsenic (As)	193.7	8	8	16	7	6	8	6	5
HC004	Barium (Ba)	553.6	15	15	20	15	12	15	10	6
HC005	Beryllium (Be)	234.9	10	10	20	10	10	10	6	5
HC006	Bismuth (Bi)	306.8	8	8	20	10	8	8	5	4
HC007	Boron (B)	249.8	18	18	35	18	12	18	10	8
HC008	Cadmium (Cd)	228.8	4	4	8	4	3	4	3	3
HC009	Calcium (Ca)	422.7	5	5	10	4	4	5	4	4
HC010	Cesium (Cs)	852.1	20	20	35	20	18	18	7	6
HC011	Cerium (Ce)	520.0	10	10	20	10	8	10	8	8
HC012	Chromium (Cr)	357.9	6	6	12	6	5	6	5	4
HC013	Cobalt (Co)	240.7	10	10	20	10	8	10	6	6
HC014	Copper (Cu)	324.8	4	4	8	4	4	4	3	3
HC015	Dysprosium (Dy)	404.6	18	18	30	10	8	18	10	12
HC016	Erbium (Er)	400.8	10	10	20	10	8	10	7	8
HC017	Europium (Eu)	459.4	12	12	20	10	8	12	10	10
HC018	Gadolinium (Gd)	368.4	18	18	30	10	8	18	10	10
HC019	Gallium (Ga)	287.4	5	5	10	4	4	5	4	3
HC020	Germanium (Ge)	265.2	5	5	10	4	4	5	5	4
HC021	Gold (Au)	242.8	5	5	10	4	4	5	3	5
HC022	Hafnium (Hf)	307.3	12	12	20	10	8	12	8	8
HC023	Holmium (Ho)	410.4	18	18	30	15	12	18	12	12
HC024	Indium (In)	303.9	5	5	10	5	3	5	3	3
HC025	Iridium (Ir)	264.0	18	18	30	18	8	18	10	8
HC026	Iron (Fe)	248.3	6	6	12	5	4	6	4	5
HC027	Lanthanum (La)	550.1	18	18	30	14	10	18	10	10
HC028	Lead (Pb)	217.0	4	4	8	4	3	4	3	3
HC029	Lithium (Li)	670.8	10	10	20	10	8	10	5	4
HC030	Lutetium (Lu)	336.0	10	10	20	15	10	10	8	8
HC031	Magnesium (Mg)	285.2	4	4	8	4	3	4	3	2
HC032	Manganese (Mn)	279.5	5	5	10	5	4	5	4	6
HC033	Mercury (Hg)	253.7	3	3	6	3	2	3	2	3
HC034	Molybdenum (Mo)	313.3	7	7	15	7	7	7	6	7
HC035	Neodymium (Nd)	492.4	18	18	30	15	12	18	12	12
HC036	Nickel (Ni)	232.0	5	5	10	5	5	5	5	5
HC037	Niobium (Nb)	334.4	18	18	30	15	12	18	10	12
HC038	Osmium (Os)	290.9	18	18	30	15	12	18	10	12

1.5" / 37mm Hollow Cathode Lamp Operating Data

Part Number	Element	Wavelength								
		GBC		Shimadzu	Shimadzu	Varian	Varian	Hitachi	Hitachi	Jena
		nm	mA	mA	mA	mA	mA	mA	mA	mA
HC039	Phosphorus (P)	213.6	20	20	20	20	16	20	12	7
HC040	Palladium (Pd)	244.8	10	10	15	10	8	10	6	6
HC041	Platinum (Pt)	265.9	10	10	20	7	7	10	7	6
HC042	Potassium (K)	766.5	10	10	20	10	10	10	4	4
HC043	Praseodymium (Pr)	495.1	12	12	20	10	8	12	8	10
HC044	Rhenium (Re)	346.0	18	18	24	12	10	18	10	12
HC045	Rhodium (Rh)	343.5	6	6	10	6	6	6	6	4
HC046	Rubidium (Rb)	780.0	10	10	20	10	10	10	8	4
HC047	Ruthenium (Ru)	349.9	10	10	20	8	6	10	6	8
HC048	Samarium (Sm)	429.7	10	10	20	8	6	10	8	8
HC049	Scandium (Sc)	391.2	10	10	20	8	7	10	8	8
HC050	Selenium (Se)	196.0	8	8	20	10	8	8	6	6
HC051	Silicon (Si)	251.6	12	12	30	12	12	12	8	7
HC052	Silver (Ag)	328.1	4	4	8	3	3	4	3	4
HC053	Sodium (Na)	589.0	5	5	10	5	5	5	4	3
HC054	Strontium (Sr)	460.7	10	10	20	10	7	10	7	6
HC055	Tantalum (Ta)	271.5	18	18	30	18	16	18	12	8
HC056	Tellurium (Te)	214.3	6	6	15	6	6	6	6	7
HC057	Terbium (Tb)	431.9	10	10	20	8	5	10	8	8
HC058	Thallium (Tl)	276.8	7	7	7	7	4	7	5	6
HC059	Thorium (Th)	-	10	10	20	8	6	10	6	8
HC060	Thulium (Tm)	371.8	18	18	30	15	10	18	12	12
HC061	Tin (Sn)	286.3	8	8	12	8	7	8	6	6
HC062	Titanium (Ti)	334.9	18	18	25	18	17	18	10	7
HC063	Tungsten (W)	255.1	18	18	30	18	17	18	10	7
HC064	Uranium (U)	-	18	18	30	18	17	18	10	8
HC065	Vanadium (V)	318.4	18	18	30	18	17	18	10	6
HC066	Ytterbium (Yb)	398.8	5	5	10	5	4	5	5	5
HC067	Yttrium (Y)	410.2	10	10	20	8	6	10	8	8
HC068	Zinc (Zn)	213.9	5	5	10	5	4	5	5	4
HC069	Zirconium (Zr)	360.1	18	18	30	18	16	18	12	7
HC070	Ca-Mg		5	5	10	5	5	5	5	4
HC071	Na-K		10	10	20	10	8	10	5	6
HC072	Cu-Zn		5	5	10	5	4	5	4	3
HC073	Cd-Pb		5	5	10	5	4	5	4	3
HC074	Cr-Co-Cu-Fe-Mn-Ni		10	10	20	10	8	10	7	6