

Lab-Club Hollow Cathode Lamps, Type 37 mm 2-Pin

Element	Part No.	Description	Primary wavelength (nm)	Recomm-ended current (mA)	max. current (mA)	Fill gas	Window	Lifetime (mA/h)	Price
Aluminium	LC-HCL-37-2PIN-AL	Standard 2-pin lamp. 37mm / 1.5". Non-coded.	309.3	6	20	Ne	Quartz	5000	132,00
Antimony	LC-HCL-37-2PIN-SB	Standard 2-pin lamp. 37mm / 1.5". Non-coded.	217.6	8	20	Ne	Quartz	3000	132,00
Arsenic	LC-HCL-37-2PIN-AS	Standard 2-pin lamp. 37mm / 1.5". Non-coded.	193.7	8	15	Ne	Quartz	3000	147,00
Barium	LC-HCL-37-2PIN-BA	Standard 2-pin lamp. 37mm / 1.5". Non-coded.	553.6	6	15	Ne	Glass	5000	132,00
Beryllium	LC-HCL-37-2PIN-BE	Standard 2-pin lamp. 37mm / 1.5". Non-coded.	234.9	8	20	Ne	Quartz	5000	192,00
Bismuth	LC-HCL-37-2PIN-BI	Standard 2-pin lamp. 37mm / 1.5". Non-coded.	306.8	5	15	Ne	Quartz	3000	132,00
Boron	LC-HCL-37-2PIN-B	Standard 2-pin lamp. 37mm / 1.5". Non-coded.	249.8	8	20	Ne	Quartz	5000	135,00
Cadmium	LC-HCL-37-2PIN-CD	Standard 2-pin lamp. 37mm / 1.5". Non-coded.	228.8	4	15	Ne	Quartz	3000	135,00
Calcium	LC-HCL-37-2PIN-CA	Standard 2-pin lamp. 37mm / 1.5". Non-coded.	422.7	5	20	Ne	Glass	5000	197,40
Cerium	LC-HCL-37-2PIN-CE	Standard 2-pin lamp. 37mm / 1.5". Non-coded.	520.0	10	25	Ne	Glass	5000	on request
Cesium	LC-HCL-37-2PIN-CS	Standard 2-pin lamp. 37mm / 1.5". Non-coded.	852.1	8	15	Ne	Glass	3000	on request
Chromium	LC-HCL-37-2PIN-CR	Standard 2-pin lamp. 37mm / 1.5". Non-coded.	357.9	5	20	Ne	Glass	5000	132,00
Cobalt	LC-HCL-37-2PIN-CO	Standard 2-pin lamp. 37mm / 1.5". Non-coded.	240.7	6	20	Ne	Quartz	5000	135,00
Copper	LC-HCL-37-2PIN-CU	Standard 2-pin lamp. 37mm / 1.5". Non-coded.	324.8	4	15	Ne	Quartz	5000	132,00
Dysprosium	LC-HCL-37-2PIN-DY	Standard 2-pin lamp. 37mm / 1.5". Non-coded.	404.6	8	25	Ne	Glass	5000	on request
Erbium	LC-HCL-37-2PIN-ER	Standard 2-pin lamp. 37mm / 1.5". Non-coded.	400.8	8	25	Ne	Glass	5000	on request
Europium	LC-HCL-37-2PIN-EU	Standard 2-pin lamp. 37mm / 1.5". Non-coded.	459.4	10	25	Ne	Glass	5000	on request
Gadolinium	LC-HCL-37-2PIN-GD	Standard 2-pin lamp. 37mm / 1.5". Non-coded.	368.4	10	25	Ne	Glass	5000	on request
Gallium	LC-HCL-37-2PIN-GA	Standard 2-pin lamp. 37mm / 1.5". Non-coded.	287.4	5	15	Ne	Quartz	5000	135,00
Germanium	LC-HCL-37-2PIN-GE	Standard 2-pin lamp. 37mm / 1.5". Non-coded.	265.2	8	25	Ne	Quartz	5000	135,00
Gold	LC-HCL-37-2PIN-AU	Standard 2-pin lamp. 37mm / 1.5". Non-coded.	242.8	4	15	Ne	Quartz	5000	237,00
Hafnium	LC-HCL-37-2PIN-HF	Standard 2-pin lamp. 37mm / 1.5". Non-coded.	307.3	8	20	Ne	Quartz	5000	on request
Holmium	LC-HCL-37-2PIN-HO	Standard 2-pin lamp. 37mm / 1.5". Non-coded.	410.4	10	25	Ne	Glass	5000	on request
Indium	LC-HCL-37-2PIN-IN	Standard 2-pin lamp. 37mm / 1.5". Non-coded.	303.9	5	15	Ne	Quartz	5000	135,00
Iridium	LC-HCL-37-2PIN-IR	Standard 2-pin lamp. 37mm / 1.5". Non-coded.	264.0	10	25	Ne	Quartz	5000	192,00
Iron	LC-HCL-37-2PIN-FE	Standard 2-pin lamp. 37mm / 1.5". Non-coded.	248.3	8	25	Ne	Quartz	5000	132,00
Lanthanum	LC-HCL-37-2PIN-LA	Standard 2-pin lamp. 37mm / 1.5". Non-coded.	550.1	10	20	Ne	Glass	5000	on request
Lead	LC-HCL-37-2PIN-PB	Standard 2-pin lamp. 37mm / 1.5". Non-coded.	283.3	6	16	Ne	Quartz	5000	153,60
Lithium	LC-HCL-37-2PIN-LI	Standard 2-pin lamp. 37mm / 1.5". Non-coded.	670.8	4	15	Ne	Glass	5000	132,00
Lutetium	LC-HCL-37-2PIN-LU	Standard 2-pin lamp. 37mm / 1.5". Non-coded.	336.0	10	25	Ar	Quartz	5000	on request
Magnesium	LC-HCL-37-2PIN-MG	Standard 2-pin lamp. 37mm / 1.5". Non-coded.	285.2	4	15	Ne	Quartz	5000	132,00
Manganese	LC-HCL-37-2PIN-MN	Standard 2-pin lamp. 37mm / 1.5". Non-coded.	279.5	5	25	Ne	Quartz	5000	132,00
Mercury	LC-HCL-37-2PIN-HG	Standard 2-pin lamp. 37mm / 1.5". Non-coded.	253.7	1	4	Ne	Quartz	5000	147,00
Molybdenum	LC-HCL-37-2PIN-MO	Standard 2-pin lamp. 37mm / 1.5". Non-coded.	313.3	8	25	Ne	Quartz	5000	132,00
Neodymium	LC-HCL-37-2PIN-ND	Standard 2-pin lamp. 37mm / 1.5". Non-coded.	492.4	10	20	Ne	Glass	5000	on request
Nickel	LC-HCL-37-2PIN-NI	Standard 2-pin lamp. 37mm / 1.5". Non-coded.	232.0	8	25	Ne	Quartz	5000	132,00
Niobium	LC-HCL-37-2PIN-NB	Standard 2-pin lamp. 37mm / 1.5". Non-coded.	334.4	10	20	Ne	Quartz	5000	on request
Osmium	LC-HCL-37-2PIN-OS	Standard 2-pin lamp. 37mm / 1.5". Non-coded.	290.9	10	25	Ne	Quartz	5000	247,50
Palladium	LC-HCL-37-2PIN-PD	Standard 2-pin lamp. 37mm / 1.5". Non-coded.	244.8	8	20	Ne	Quartz	5000	222,00
Phosphorus	LC-HCL-37-2PIN-P	Standard 2-pin lamp. 37mm / 1.5". Non-coded.	213.6	6	15	Ne	Quartz	3000	237,00
Platinum	LC-HCL-37-2PIN-PT	Standard 2-pin lamp. 37mm / 1.5". Non-coded.	265.9	10	20	Ne	Quartz	5000	237,00
Potassium	LC-HCL-37-2PIN-K	Standard 2-pin lamp. 37mm / 1.5". Non-coded.	766.5	4	10	Ne	Glass	5000	132,00

Lab-Club Hollow Cathode Lamps, Type 37 mm 2-Pin

Element	Part No.	Description	Primary wavelength (nm)	Recomm-ended current (mA)	max. current (mA)	Fill gas	Window	Lifetime (mA/h)	Price
Praseodymium	LC-HCL-37-2PIN-PR	Standard 2-pin lamp. 37mm / 1.5". Non-coded.	495.1	10	25	Ne	Glass	5000	on request
Rhenium	LC-HCL-37-2PIN-RE	Standard 2-pin lamp. 37mm / 1.5". Non-coded.	346.0	10	25	Ne	Quartz	5000	on request
Rhodium	LC-HCL-37-2PIN-RH	Standard 2-pin lamp. 37mm / 1.5". Non-coded.	343.5	10	20	Ne	Quartz	5000	397,50
Rubidium	LC-HCL-37-2PIN-RB	Standard 2-pin lamp. 37mm / 1.5". Non-coded.	780.0	4	10	Ne	Glass	3000	192,00
Ruthenium	LC-HCL-37-2PIN-RU	Standard 2-pin lamp. 37mm / 1.5". Non-coded.	349.9	8	25	Ne	Quartz	5000	192,00
Samarium	LC-HCL-37-2PIN-SM	Standard 2-pin lamp. 37mm / 1.5". Non-coded.	429.7	10	25	Ne	Glass	5000	on request
Scandium	LC-HCL-37-2PIN-SC	Standard 2-pin lamp. 37mm / 1.5". Non-coded.	391.2	10	20	Ne	Glass	5000	on request
Selenium	LC-HCL-37-2PIN-SE	Standard 2-pin lamp. 37mm / 1.5". Non-coded.	196.0	8	15	Ne	Quartz	3000	162,00
Silicon	LC-HCL-37-2PIN-SI	Standard 2-pin lamp. 37mm / 1.5". Non-coded.	251.6	10	25	Ne	Quartz	5000	132,00
Silver	LC-HCL-37-2PIN-AG	Standard 2-pin lamp. 37mm / 1.5". Non-coded.	328.1	3	15	Ne	Quartz	5000	135,00
Sodium	LC-HCL-37-2PIN-NA	Standard 2-pin lamp. 37mm / 1.5". Non-coded.	589.0	5	15	Ne	Glass	5000	132,00
Strontium	LC-HCL-37-2PIN-SR	Standard 2-pin lamp. 37mm / 1.5". Non-coded.	460.7	8	15	Ne	Glass	5000	135,00
Tantalum	LC-HCL-37-2PIN-TA	Standard 2-pin lamp. 37mm / 1.5". Non-coded.	271.5	10	20	Ne	Quartz	5000	153,60
Tellurium	LC-HCL-37-2PIN-TE	Standard 2-pin lamp. 37mm / 1.5". Non-coded.	214.3	8	20	Ne	Quartz	3000	135,00
Terbium	LC-HCL-37-2PIN-TB	Standard 2-pin lamp. 37mm / 1.5". Non-coded.	431.9	10	25	Ne	Glass	5000	on request
Thallium	LC-HCL-37-2PIN-TL	Standard 2-pin lamp. 37mm / 1.5". Non-coded.	276.8	8	15	Ne	Quartz	3000	on request
Thulium	LC-HCL-37-2PIN-TM	Standard 2-pin lamp. 37mm / 1.5". Non-coded.	371.8	15	25	Ne	Glass	5000	on request
Tin	LC-HCL-37-2PIN-SN	Standard 2-pin lamp. 37mm / 1.5". Non-coded.	286.3	8	15	Ne	Quartz	5000	162,00
Titanium	LC-HCL-37-2PIN-TI	Standard 2-pin lamp. 37mm / 1.5". Non-coded.	334.9	8	15	Ne	Quartz	5000	132,00
Tungsten	LC-HCL-37-2PIN-W	Standard 2-pin lamp. 37mm / 1.5". Non-coded.	255.1	10	30	Ne	Quartz	5000	132,00
Vanadium	LC-HCL-37-2PIN-V	Standard 2-pin lamp. 37mm / 1.5". Non-coded.	318.4	8	20	Ne	Quartz	5000	162,00
Ytterbium	LC-HCL-37-2PIN-YB	Standard 2-pin lamp. 37mm / 1.5". Non-coded.	398.8	10	20	Ne	Glass	5000	on request
Yttrium	LC-HCL-37-2PIN-Y	Standard 2-pin lamp. 37mm / 1.5". Non-coded.	410.2	10	25	Ne	Glass	5000	153,60
Zinc	LC-HCL-37-2PIN-ZN	Standard 2-pin lamp. 37mm / 1.5". Non-coded.	213.9	6	15	Ne	Quartz	5000	132,00
Zirconium	LC-HCL-37-2PIN-ZR	Standard 2-pin lamp. 37mm / 1.5". Non-coded.	360.1	8	20	Ne	Glass	5000	132,00
2-element lamps									
Calcium/Magnesium	LC-HCL-37-2PIN-CA/MG	Standard 2-pin lamp. 37mm / 1.5". Non-coded.	422.7 / 285.2	5 / 4	20 / 15	Ne	Glass	5000	192,00
Copper/Zinc	LC-HCL-37-2PIN-CU/ZN	Standard 2-pin lamp. 37mm / 1.5". Non-coded.	324.8 / 213.9	4 / 6	15	Ne	Glass	5000	192,00
Selenium/Tin	LC-HCL-37-2PIN-SE/SN	Standard 2-pin lamp. 37mm / 1.5". Non-coded.	196.0 / 213.9	8	15	Ne	Glass	5000	192,00
Silver/Cadmium	LC-HCL-37-2PIN-AG/CD	Standard 2-pin lamp. 37mm / 1.5". Non-coded.	328.1 / 228.8	3 / 4	15	Ne	Glass	5000	192,00
Sodium/Potassium	LC-HCL-37-2PIN-NA/K	Standard 2-pin lamp. 37mm / 1.5". Non-coded.	589.0 / 766.5	5 / 4	15 / 10	Ne	Glass	5000	192,00

Lab-Club Hollow Cathode Lamps, Type 37 mm 4-Pin

Element	Part No.	Description	Primary wavelength (nm)	Recomm-ended current (mA)	max. current (mA)	Fill gas	Window	Lifetime (mA/h)	Price
Aluminium	LC-HCL-37-4PIN-AL	Standard 4-pin lamp. 37mm / 1.5". Non-coded.	309.3	6	20	Ne	Quartz	5000	132,00
Antimony	LC-HCL-37-4PIN-SB	Standard 4-pin lamp. 37mm / 1.5". Non-coded.	217.6	8	20	Ne	Quartz	3000	132,00
Arsenic	LC-HCL-37-4PIN-AS	Standard 4-pin lamp. 37mm / 1.5". Non-coded.	193.7	8	15	Ne	Quartz	3000	147,00
Barium	LC-HCL-37-4PIN-BA	Standard 4-pin lamp. 37mm / 1.5". Non-coded.	553.6	6	15	Ne	Glass	5000	132,00
Beryllium	LC-HCL-37-4PIN-BE	Standard 4-pin lamp. 37mm / 1.5". Non-coded.	234.9	8	20	Ne	Quartz	5000	192,00
Bismuth	LC-HCL-37-4PIN-BI	Standard 4-pin lamp. 37mm / 1.5". Non-coded.	306.8	5	15	Ne	Quartz	3000	132,00
Boron	LC-HCL-37-4PIN-B	Standard 4-pin lamp. 37mm / 1.5". Non-coded.	249.8	8	20	Ne	Quartz	5000	135,00
Cadmium	LC-HCL-37-4PIN-CD	Standard 4-pin lamp. 37mm / 1.5". Non-coded.	228.8	4	15	Ne	Quartz	3000	135,00
Calcium	LC-HCL-37-4PIN-CA	Standard 4-pin lamp. 37mm / 1.5". Non-coded.	422.7	5	20	Ne	Glass	5000	197,40
Cerium	LC-HCL-37-4PIN-CE	Standard 4-pin lamp. 37mm / 1.5". Non-coded.	520.0	10	25	Ne	Glass	5000	on request
Cesium	LC-HCL-37-4PIN-CS	Standard 4-pin lamp. 37mm / 1.5". Non-coded.	852.1	8	15	Ne	Glass	3000	on request
Chromium	LC-HCL-37-4PIN-CR	Standard 4-pin lamp. 37mm / 1.5". Non-coded.	357.9	5	20	Ne	Glass	5000	132,00
Cobalt	LC-HCL-37-4PIN-CO	Standard 4-pin lamp. 37mm / 1.5". Non-coded.	240.7	6	20	Ne	Quartz	5000	135,00
Copper	LC-HCL-37-4PIN-CU	Standard 4-pin lamp. 37mm / 1.5". Non-coded.	324.8	4	15	Ne	Quartz	5000	132,00
Dysprosium	LC-HCL-37-4PIN-DY	Standard 4-pin lamp. 37mm / 1.5". Non-coded.	404.6	8	25	Ne	Glass	5000	on request
Erbium	LC-HCL-37-4PIN-ER	Standard 4-pin lamp. 37mm / 1.5". Non-coded.	400.8	8	25	Ne	Glass	5000	on request
Europium	LC-HCL-37-4PIN-EU	Standard 4-pin lamp. 37mm / 1.5". Non-coded.	459.4	10	25	Ne	Glass	5000	on request
Gadolinium	LC-HCL-37-4PIN-GD	Standard 4-pin lamp. 37mm / 1.5". Non-coded.	368.4	10	25	Ne	Glass	5000	on request
Gallium	LC-HCL-37-4PIN-GA	Standard 4-pin lamp. 37mm / 1.5". Non-coded.	287.4	5	15	Ne	Quartz	5000	135,00
Germanium	LC-HCL-37-4PIN-GE	Standard 4-pin lamp. 37mm / 1.5". Non-coded.	265.2	8	25	Ne	Quartz	5000	135,00
Gold	LC-HCL-37-4PIN-AU	Standard 4-pin lamp. 37mm / 1.5". Non-coded.	242.8	4	15	Ne	Quartz	5000	237,00
Hafnium	LC-HCL-37-4PIN-HF	Standard 4-pin lamp. 37mm / 1.5". Non-coded.	307.3	8	20	Ne	Quartz	5000	on request
Holmium	LC-HCL-37-4PIN-HO	Standard 4-pin lamp. 37mm / 1.5". Non-coded.	410.4	10	25	Ne	Glass	5000	on request
Indium	LC-HCL-37-4PIN-IN	Standard 4-pin lamp. 37mm / 1.5". Non-coded.	303.9	5	15	Ne	Quartz	5000	135,00
Iridium	LC-HCL-37-4PIN-IR	Standard 4-pin lamp. 37mm / 1.5". Non-coded.	264.0	10	25	Ne	Quartz	5000	192,00
Iron	LC-HCL-37-4PIN-FE	Standard 4-pin lamp. 37mm / 1.5". Non-coded.	248.3	8	25	Ne	Quartz	5000	132,00
Lanthanum	LC-HCL-37-4PIN-LA	Standard 4-pin lamp. 37mm / 1.5". Non-coded.	550.1	10	20	Ne	Glass	5000	on request
Lead	LC-HCL-37-4PIN-PB	Standard 4-pin lamp. 37mm / 1.5". Non-coded.	283.3	6	16	Ne	Quartz	5000	153,60
Lithium	LC-HCL-37-4PIN-LI	Standard 4-pin lamp. 37mm / 1.5". Non-coded.	670.8	4	15	Ne	Glass	5000	132,00
Lutetium	LC-HCL-37-4PIN-LU	Standard 4-pin lamp. 37mm / 1.5". Non-coded.	336.0	10	25	Ar	Quartz	5000	on request
Magnesium	LC-HCL-37-4PIN-MG	Standard 4-pin lamp. 37mm / 1.5". Non-coded.	285.2	4	15	Ne	Quartz	5000	132,00
Manganese	LC-HCL-37-4PIN-MN	Standard 4-pin lamp. 37mm / 1.5". Non-coded.	279.5	5	25	Ne	Quartz	5000	132,00
Mercury	LC-HCL-37-4PIN-HG	Standard 4-pin lamp. 37mm / 1.5". Non-coded.	253.7	1	4	Ne	Quartz	5000	147,00
Molybdenum	LC-HCL-37-4PIN-MO	Standard 4-pin lamp. 37mm / 1.5". Non-coded.	313.3	8	25	Ne	Quartz	5000	132,00
Neodymium	LC-HCL-37-4PIN-ND	Standard 4-pin lamp. 37mm / 1.5". Non-coded.	492.4	10	20	Ne	Glass	5000	on request
Nickel	LC-HCL-37-4PIN-NI	Standard 4-pin lamp. 37mm / 1.5". Non-coded.	232.0	8	25	Ne	Quartz	5000	132,00
Niobium	LC-HCL-37-4PIN-NB	Standard 4-pin lamp. 37mm / 1.5". Non-coded.	334.4	10	20	Ne	Quartz	5000	on request
Osmium	LC-HCL-37-4PIN-OS	Standard 4-pin lamp. 37mm / 1.5". Non-coded.	290.9	10	25	Ne	Quartz	5000	247,50
Palladium	LC-HCL-37-4PIN-PD	Standard 4-pin lamp. 37mm / 1.5". Non-coded.	244.8	8	20	Ne	Quartz	5000	222,00
Phosphorus	LC-HCL-37-4PIN-P	Standard 4-pin lamp. 37mm / 1.5". Non-coded.	213.6	6	15	Ne	Quartz	3000	237,00
Platinum	LC-HCL-37-4PIN-PT	Standard 4-pin lamp. 37mm / 1.5". Non-coded.	265.9	10	20	Ne	Quartz	5000	237,00
Potassium	LC-HCL-37-4PIN-K	Standard 4-pin lamp. 37mm / 1.5". Non-coded.	766.5	4	10	Ne	Glass	5000	132,00

Lab-Club Hollow Cathode Lamps, Type 37 mm 4-Pin

Element	Part No.	Description	Primary wavelength (nm)	Recomm-ended current (mA)	max. current (mA)	Fill gas	Window	Lifetime (mA/h)	Price
Praseodymium	LC-HCL-37-4PIN-PR	Standard 4-pin lamp. 37mm / 1.5". Non-coded.	495.1	10	25	Ne	Glass	5000	on request
Rhenium	LC-HCL-37-4PIN-RE	Standard 4-pin lamp. 37mm / 1.5". Non-coded.	346.0	10	25	Ne	Quartz	5000	on request
Rhodium	LC-HCL-37-4PIN-RH	Standard 4-pin lamp. 37mm / 1.5". Non-coded.	343.5	10	20	Ne	Quartz	5000	397,50
Rubidium	LC-HCL-37-4PIN-RB	Standard 4-pin lamp. 37mm / 1.5". Non-coded.	780.0	4	10	Ne	Glass	3000	192,00
Ruthenium	LC-HCL-37-4PIN-RU	Standard 4-pin lamp. 37mm / 1.5". Non-coded.	349.9	8	25	Ne	Quartz	5000	192,00
Samarium	LC-HCL-37-4PIN-SM	Standard 4-pin lamp. 37mm / 1.5". Non-coded.	429.7	10	25	Ne	Glass	5000	on request
Scandium	LC-HCL-37-4PIN-SC	Standard 4-pin lamp. 37mm / 1.5". Non-coded.	391.2	10	20	Ne	Glass	5000	on request
Selenium	LC-HCL-37-4PIN-SE	Standard 4-pin lamp. 37mm / 1.5". Non-coded.	196.0	8	15	Ne	Quartz	3000	162,00
Sililcon	LC-HCL-37-4PIN-SI	Standard 4-pin lamp. 37mm / 1.5". Non-coded.	251.6	10	25	Ne	Quartz	5000	132,00
Silver	LC-HCL-37-4PIN-AG	Standard 4-pin lamp. 37mm / 1.5". Non-coded.	328.1	3	15	Ne	Quartz	5000	135,00
Sodium	LC-HCL-37-4PIN-NA	Standard 4-pin lamp. 37mm / 1.5". Non-coded.	589.0	5	15	Ne	Glass	5000	132,00
Strontium	LC-HCL-37-4PIN-SR	Standard 4-pin lamp. 37mm / 1.5". Non-coded.	460.7	8	15	Ne	Glass	5000	135,00
Tantalum	LC-HCL-37-4PIN-TA	Standard 4-pin lamp. 37mm / 1.5". Non-coded.	271.5	10	20	Ne	Quartz	5000	153,60
Tellurium	LC-HCL-37-4PIN-TE	Standard 4-pin lamp. 37mm / 1.5". Non-coded.	214.3	8	20	Ne	Quartz	3000	135,00
Terbium	LC-HCL-37-4PIN-TB	Standard 4-pin lamp. 37mm / 1.5". Non-coded.	431.9	10	25	Ne	Glass	5000	on request
Thallium	LC-HCL-37-4PIN-TL	Standard 4-pin lamp. 37mm / 1.5". Non-coded.	276.8	8	15	Ne	Quartz	3000	on request
Thulium	LC-HCL-37-4PIN-TM	Standard 4-pin lamp. 37mm / 1.5". Non-coded.	371.8	15	25	Ne	Glass	5000	on request
Tin	LC-HCL-37-4PIN-SN	Standard 4-pin lamp. 37mm / 1.5". Non-coded.	286.3	8	15	Ne	Quartz	5000	162,00
Titanium	LC-HCL-37-4PIN-TI	Standard 4-pin lamp. 37mm / 1.5". Non-coded.	334.9	8	15	Ne	Quartz	5000	132,00
Tungsten	LC-HCL-37-4PIN-W	Standard 4-pin lamp. 37mm / 1.5". Non-coded.	255.1	10	30	Ne	Quartz	5000	132,00
Vanadium	LC-HCL-37-4PIN-V	Standard 4-pin lamp. 37mm / 1.5". Non-coded.	318.4	8	20	Ne	Quartz	5000	162,00
Ytterbium	LC-HCL-37-4PIN-YB	Standard 4-pin lamp. 37mm / 1.5". Non-coded.	398.8	10	20	Ne	Glass	5000	on request
Yttrium	LC-HCL-37-4PIN-Y	Standard 4-pin lamp. 37mm / 1.5". Non-coded.	410.2	10	25	Ne	Glass	5000	153,60
Zinc	LC-HCL-37-4PIN-ZN	Standard 4-pin lamp. 37mm / 1.5". Non-coded.	213.9	6	15	Ne	Quartz	5000	132,00
Zirconium	LC-HCL-37-4PIN-ZR	Standard 4-pin lamp. 37mm / 1.5". Non-coded.	360.1	8	20	Ne	Glass	5000	132,00
2-element lamps									
Calcium/Magnesium	LC-HCL-37-4PIN-CA/MG	Standard 4-pin lamp. 37mm / 1.5". Non-coded.	422.7 / 285.2	5 / 4	20 / 15	Ne	Glass	5000	192,00
Copper/Zinc	LC-HCL-37-4PIN-CU/ZN	Standard 4-pin lamp. 37mm / 1.5". Non-coded.	324.8 / 213.9	4 / 6	15	Ne	Glass	5000	192,00
Selenium/Tin	LC-HCL-37-4PIN-SE/SN	Standard 4-pin lamp. 37mm / 1.5". Non-coded.	196.0 / 213.9	8	15	Ne	Glass	5000	192,00
Silver/Cadmium	LC-HCL-37-4PIN-AG/CD	Standard 4-pin lamp. 37mm / 1.5". Non-coded.	328.1 / 228.8	3 / 4	15	Ne	Glass	5000	192,00
Sodium/Potassium	LC-HCL-37-4PIN-NA/K	Standard 4-pin lamp. 37mm / 1.5". Non-coded.	589.0 / 766.5	5 / 4	15 / 10	Ne	Glass	5000	192,00

Lab-Club Hollow Cathode Lamps, Type 50 mm AAnalyst Coded

Element	Part No.	Description	Primary wavelength (nm)	Recomm-ended current (mA)	max. current (mA)	Fill gas	Window	Lifetime (mA/h)	Price
Aluminium	LC-HCL-50-AL	Suitable for AAnalyst™ instruments. 50mm / 2".	309.3	15	30	Ne	Quartz	5000	202,50
Antimony	LC-HCL-50-SB	Suitable for AAnalyst™ instruments. 50mm / 2".	217.6	15	30	Ne	Quartz	3000	202,50
Arsenic	LC-HCL-50-AS	Suitable for AAnalyst™ instruments. 50mm / 2".	193.7	10	20	Ne	Quartz	3000	225,00
Barium	LC-HCL-50-BA	Suitable for AAnalyst™ instruments. 50mm / 2".	553.6	10	25	Ne	Glass	5000	202,50
Beryllium	LC-HCL-50-BE	Suitable for AAnalyst™ instruments. 50mm / 2".	234.9	10	30	Ne	Quartz	5000	262,50
Bismuth	LC-HCL-50-BI	Suitable for AAnalyst™ instruments. 50mm / 2".	306.8	8	20	Ne	Quartz	3000	202,50
Boron	LC-HCL-50-B	Suitable for AAnalyst™ instruments. 50mm / 2".	249.8	15	40	Ne	Quartz	5000	202,50
Cadmium	LC-HCL-50-CD	Suitable for AAnalyst™ instruments. 50mm / 2".	228.8	8	15	Ne	Quartz	3000	202,50
Calcium	LC-HCL-50-CA	Suitable for AAnalyst™ instruments. 50mm / 2".	422.7	10	30	Ne	Glass	5000	202,50
Cerium	LC-HCL-50-CE	Suitable for AAnalyst™ instruments. 50mm / 2".	520.0	10	25	Ne	Glass	5000	on request
Cesium	LC-HCL-50-CS	Suitable for AAnalyst™ instruments. 50mm / 2".	852.1	8	15	Ne	Glass	3000	387,00
Chromium	LC-HCL-50-CR	Suitable for AAnalyst™ instruments. 50mm / 2".	357.9	10	40	Ne	Glass	5000	202,50
Cobalt	LC-HCL-50-CO	Suitable for AAnalyst™ instruments. 50mm / 2".	240.7	15	40	Ne	Quartz	5000	202,50
Copper	LC-HCL-50-CU	Suitable for AAnalyst™ instruments. 50mm / 2".	324.8	6	25	Ne	Quartz	5000	202,50
Dysprosium	LC-HCL-50-DY	Suitable for AAnalyst™ instruments. 50mm / 2".	404.6	15	35	Ne	Glass	5000	on request
Erbium	LC-HCL-50-ER	Suitable for AAnalyst™ instruments. 50mm / 2".	400.8	15	35	Ne	Glass	5000	on request
Europium	LC-HCL-50-EU	Suitable for AAnalyst™ instruments. 50mm / 2".	459.4	10	25	Ne	Glass	5000	on request
Gadolinium	LC-HCL-50-GD	Suitable for AAnalyst™ instruments. 50mm / 2".	368.4	10	25	Ne	Glass	5000	on request
Gallium	LC-HCL-50-GA	Suitable for AAnalyst™ instruments. 50mm / 2".	287.4	12	15	Ne	Quartz	5000	202,50
Germanium	LC-HCL-50-GE	Suitable for AAnalyst™ instruments. 50mm / 2".	265.2	15	30	Ne	Quartz	5000	202,50
Gold	LC-HCL-50-AU	Suitable for AAnalyst™ instruments. 50mm / 2".	242.8	8	20	Ne	Quartz	5000	262,50
Hafnium	LC-HCL-50-HF	Suitable for AAnalyst™ instruments. 50mm / 2".	307.3	8	20	Ne	Quartz	5000	on request
Holmium	LC-HCL-50-HO	Suitable for AAnalyst™ instruments. 50mm / 2".	410.4	10	25	Ne	Glass	5000	on request
Indium	LC-HCL-50-IN	Suitable for AAnalyst™ instruments. 50mm / 2".	303.9	10	20	Ne	Quartz	5000	225,00
Iridium	LC-HCL-50-IR	Suitable for AAnalyst™ instruments. 50mm / 2".	264.0	10	25	Ne	Quartz	5000	262,50
Iron	LC-HCL-50-FE	Suitable for AAnalyst™ instruments. 50mm / 2".	248.3	20	40	Ne	Quartz	5000	202,50
Lanthanum	LC-HCL-50-LA	Suitable for AAnalyst™ instruments. 50mm / 2".	550.1	10	20	Ne	Glass	5000	on request
Lead	LC-HCL-50-PB	Suitable for AAnalyst™ instruments. 50mm / 2".	283.3	8	15	Ne	Quartz	5000	262,50
Lithium	LC-HCL-50-LI	Suitable for AAnalyst™ instruments. 50mm / 2".	670.8	6	15	Ne	Glass	5000	202,50
Lutetium	LC-HCL-50-LU	Suitable for AAnalyst™ instruments. 50mm / 2".	336.0	10	25	Ar	Quartz	5000	on request
Magnesium	LC-HCL-50-MG	Suitable for AAnalyst™ instruments. 50mm / 2".	285.2	6	30	Ne	Quartz	5000	202,50
Manganese	LC-HCL-50-MN	Suitable for AAnalyst™ instruments. 50mm / 2".	279.5	15	40	Ne	Quartz	5000	202,50
Mercury	LC-HCL-50-HG	Suitable for AAnalyst™ instruments. 50mm / 2".	253.7	3	8	Ne	Quartz	5000	225,00
Molybdenum	LC-HCL-50-MO	Suitable for AAnalyst™ instruments. 50mm / 2".	313.3	15	35	Ne	Quartz	5000	202,50
Neodymium	LC-HCL-50-ND	Suitable for AAnalyst™ instruments. 50mm / 2".	492.4	10	20	Ne	Glass	5000	on request
Nickel	LC-HCL-50-NI	Suitable for AAnalyst™ instruments. 50mm / 2".	232.0	25	40	Ne	Quartz	5000	202,50
Niobium	LC-HCL-50-NB	Suitable for AAnalyst™ instruments. 50mm / 2".	334.4	10	20	Ne	Quartz	5000	on request
Osmium	LC-HCL-50-OS	Suitable for AAnalyst™ instruments. 50mm / 2".	290.9	15	40	Ne	Quartz	5000	387,00
Palladium	LC-HCL-50-PD	Suitable for AAnalyst™ instruments. 50mm / 2".	244.8	10	35	Ne	Quartz	5000	262,50
Platinum	LC-HCL-50-PT	Suitable for AAnalyst™ instruments. 50mm / 2".	265.9	10	20	Ne	Quartz	5000	262,50
Potassium	LC-HCL-50-K	Suitable for AAnalyst™ instruments. 50mm / 2".	766.5	6	15	Ne	Glass	5000	202,50
Praseodymium	LC-HCL-50-PR	Suitable for AAnalyst™ instruments. 50mm / 2".	495.1	10	25	Ne	Glass	5000	on request

Lab-Club Hollow Cathode Lamps, Type 50 mm AAnalyst Coded

Element	Part No.	Description	Primary wavelength (nm)	Recomm-ended current (mA)	max. current (mA)	Fill gas	Window	Lifetime (mA/h)	Price
Rhenium	LC-HCL-50-RE	Suitable for AAnalyst™ instruments. 50mm / 2".	346.0	10	25	Ne	Quartz	5000	on request
Rhodium	LC-HCL-50-RH	Suitable for AAnalyst™ instruments. 50mm / 2".	343.5	10	20	Ne	Quartz	5000	387,00
Rubidium	LC-HCL-50-RB	Suitable for AAnalyst™ instruments. 50mm / 2".	780.4	8	20	Ne	Glass	3000	262,50
Ruthenium	LC-HCL-50-RU	Suitable for AAnalyst™ instruments. 50mm / 2".	349.9	10	35	Ne	Quartz	5000	225,00
Samarium	LC-HCL-50-SM	Suitable for AAnalyst™ instruments. 50mm / 2".	429.7	15	35	Ne	Glass	5000	on request
Scandium	LC-HCL-50-SC	Suitable for AAnalyst™ instruments. 50mm / 2".	391.2	20	30	Ne	Glass	5000	on request
Selenium	LC-HCL-50-SE	Suitable for AAnalyst™ instruments. 50mm / 2".	196.0	10	25	Ne	Quartz	3000	225,00
Sililcon	LC-HCL-50-SI	Suitable for AAnalyst™ instruments. 50mm / 2".	251.6	25	45	Ne	Quartz	5000	202,50
Silver	LC-HCL-50-AG	Suitable for AAnalyst™ instruments. 50mm / 2".	328.1	5	20	Ne	Quartz	5000	225,00
Sodium	LC-HCL-50-NA	Suitable for AAnalyst™ instruments. 50mm / 2".	589.0	5	20	Ne	Glass	5000	202,50
Strontium	LC-HCL-50-SR	Suitable for AAnalyst™ instruments. 50mm / 2".	460.7	10	25	Ne	Glass	5000	202,50
Tantalum	LC-HCL-50-TA	Suitable for AAnalyst™ instruments. 50mm / 2".	271.5	15	35	Ne	Quartz	5000	262,50
Tellurium	LC-HCL-50-TE	Suitable for AAnalyst™ instruments. 50mm / 2".	214.3	15	30	Ne	Quartz	3000	225,00
Terbium	LC-HCL-50-TB	Suitable for AAnalyst™ instruments. 50mm / 2".	431.9	15	35	Ne	Glass	5000	on request
Thallium	LC-HCL-50-TL	Suitable for AAnalyst™ instruments. 50mm / 2".	276.8	10	30	Ne	Quartz	3000	on request
Thulium	LC-HCL-50-TM	Suitable for AAnalyst™ instruments. 50mm / 2".	371.8	15	25	Ne	Glass	5000	on request
Tin	LC-HCL-50-SN	Suitable for AAnalyst™ instruments. 50mm / 2".	286.3	10	20	Ne	Quartz	5000	225,00
Titanium	LC-HCL-50-TI	Suitable for AAnalyst™ instruments. 50mm / 2".	334.9	15	30	Ne	Quartz	5000	202,50
Tungsten	LC-HCL-50-W	Suitable for AAnalyst™ instruments. 50mm / 2".	255.1	15	40	Ne	Quartz	5000	202,50
Vanadium	LC-HCL-50-V	Suitable for AAnalyst™ instruments. 50mm / 2".	318.4	15	35	Ne	Quartz	5000	202,50
Ytterbium	LC-HCL-50-YB	Suitable for AAnalyst™ instruments. 50mm / 2".	398.8	10	20	Ne	Glass	5000	on request
Yttrium	LC-HCL-50-Y	Suitable for AAnalyst™ instruments. 50mm / 2".	410.2	15	35	Ne	Glass	5000	262,50
Zinc	LC-HCL-50-ZN	Suitable for AAnalyst™ instruments. 50mm / 2".	213.9	8	20	Ne	Quartz	5000	202,50
Zirconium	LC-HCL-50-ZR	Suitable for AAnalyst™ instruments. 50mm / 2".	360.1	10	35	Ne	Glass	5000	202,50