



SPECTROLAB

Spectrolab Science

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Universal Hollow Cathode Lamps 2 and 3 Pin

Our “superspec” range of hollow cathode lamps have been designed to provide a stable and intense light source for atomic absorption spectroscopy, laser optics and similar applications.



Superspec Hollow Cathode lamps

Hollow cathode lamps (HCL) are compact light sources that provide monochromatic light where the wavelength is specific to an emission line or lines emitted from a plasma. The plasma being specific to a particular element. Emission lines can be generated from any element and used as a source of radiation in atomic absorption spectroscopy.

Spectrolab HCL lamps can be used with most AAS spectrophotometers in either a 2 pin or 3 pin configuration. Our HCL lamps are extremely reliable and rugged in design and provide an inexpensive replacement for all general AAS applications in all types of instrument.

HCL lamps are shipped directly from our premises in London and can be sent by international post or courier services such as Fed Ex, TNT or DHL

All lamps are tested and certified prior to dispatch

Elements HCL Lamps	Symbol	Wavelength (nm)	Cat Standard	Price (£GBP)	Cat P Elmer	Price (£GBP)
Aluminium	Al	396.2	S01	£110	PE01	£130
Antimony	Sb	217.6	S02	£110	PE02	£130
Arsenic	As	193.7	S03	£120	PE03	£120
Barium	Ba	553.5	S04	£110	PE04	£130
Beryllium	Be	234.9	S05	£120	PE05	£140
Bismuth	Bi	223.1	S06	£110	PE06	£130
Boron	B	249.8	S07	£110	PE07	£130
Cadmium	Cd	228.8	S08	£110	PE08	£140
*Caesium	Cs	852.1	S09	£140	PE09	£200
Calcium	Ca	422.7	S10	£110	PE10	£130
Cerium	Ce	520.0	S11	£110	PE11	£130
Chromium	Cr	357.9	S12	£110	PE12	£130
Cobalt	Co	240.7	S13	£120	PE13	£140
Copper	Cu	324.8	S14	£110	PE14	£130
*Erbium	Er	400.8	S15	£120	PE15	£140
*Europium	Eu	459.4	S16	£120	PE16	£140
Gadolinium	Gd	368.4	S17	£180	PE17	£140
Gallium	Ga	287.4	S18	£110	PE18	£130
Germanium	Ge	265.1	S19	£110	PE19	£130
Gold	Au	242.8	S20	£140	PE20	£200
*Hafnium	Hf	307.8	S21	£120	PE21	£140
*Holmium	Ho	410.4	S22	£120	PE22	£140
Indium	In	303.9	S23	£110	PE23	£130
Iridium	Ir	208.9	S24	£120	PE24	£140
Iron	Fe	248.3	S25	£120	PE25	£130
Lanthanum	La	550.1	S26	£120	PE26	£140
Lead	Pb	217.0	S27	£110	PE27	£130
Lithium	Li	670.8	S28	£110	PE28	£130
*Lutetium	Lu	336.0	S29	£120	PE29	£140
Magnesium	Mg	285.2	S30	£110	PE30	£140
Manganese	Mn	279.5	S31	£110	PE31	£130
Mercury	Hg	253.7	S32	£110	PE32	£130
Molybdenum	Mo	313.3	S33	£110	PE33	£130

CONTINUED

Price list Hollow Cathode Lamps

Elements HCL Lamps	Symbol	Wavelength (nm)	Cat Standard	Price £GBP)	Cat P Elmer	Price £GBP)
Neodymium	Nd	492.5	S34	£120	PE34	£140
Nickel	Ni	232.0	S35	£110	PE35	£130
Niobium	Nb	334.9	S36	£120	PE36	£140
*Osmium	Os	290.9	S37	£140	PE37	£170
Palladium	Pd	247.6	S38	£140	PE38	£140
Platinum	Pt	265.9	S39	£140	PE39	£200
Potassium	K	766.5	S40	£110	PE40	£130
Rhenium	Re	346.0	S41	£120	PE41	£140
Rhodium	Rh	343.5	S42	£350	PE42	£510
*Rubidium	Rb	780.0	S43	£150	PE43	£220
Samarium	Sm	429.7	S44	£120	PE44	£140
*Scandium	Sc	391.2	S45	£120	PE45	£140
Selenium	Se	196.0	S46	£120	PE46	£140
Silicon	Si	251.6	S47	£120	PE47	£130
Silver	Ag	328.1	S48	£110	PE48	£160
Sodium	Na	589.0	S49	£110	PE49	£130
Strontium	Sr	460.7	S50	£120	PE50	£130
Tantalum	Ta	271.5	S51	£120	PE51	£140
*Terbium	Tb	432.7	S52	£170	PE52	£160
Tellurium	Te	214.3	S53	£110	PE53	£240
Thallium	Tl	276.7	S54	£110	PE54	£130
Tin	Sn	233.5	S55	£110	PE55	£130
Titanium	Ti	364.3	S56	£110	PE56	£130
Tungsten	W	255.1	S57	£120	PE57	£140
Vanadium	V	318.5	S58	£110	PE58	£140
Zinc	Zn	213.9	S59	£110	PE59	£130
Zirconium	Zr	360.1	S60	£110	PE60	£130

This unique range of HCL Lamps have been designed to provide long life and high brightness for all elements from Aluminium to Zirconium. Each lamp has been tested prior to shipment to ensure “best performance”

Each lamp is supplied with its own warranty and compliance certificate

For your information we also manufacture a unique range of Atomic Absorption spectrophotometers, including single beam and double beam instruments plus graphite furnace options

Spectrolab Science” is a company specialising in analytical spectroscopy with an extensive product range that includes UV Vis, FTIR, GC, OES, XRF, AAS, Raman, Microscopes.....and a lot more

Note for 2017

For prices in \$US X1.3

For Prices in Euro X1.2

All prices are shown net to you

All prices are ex works UK

Shipping by way of international post or courier. TNT or DHL or Fed Ex

Our terms and conditions apply

Our partners in Hollow Cathode design include Anaspec, HCL Limited

Visit our web site at www.spectrolab.co.uk



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