



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 (\$US)	Cat P Elmer	Price (\$US)
Aluminium	Al	396.2	S01	\$140	PE01	\$170
Antimony	Sb	217.6	S02	\$140	PE02	\$170
Arsenic	As	193.7	S03	\$150	PE03	\$170
Barium	Ba	553.5	S04	\$140	PE04	\$170
Beryllium	Be	234.9	S05	\$150	PE05	\$180
Bismuth	Bi	223.1	S06	\$180	PE06	\$170
Boron	B	249.8	S07	\$140	PE07	\$170
Cadmium	Cd	228.8	S08	\$140	PE08	\$180
*Caesium	Cs	852.1	S09	\$180	PE09	\$260
Calcium	Ca	422.7	S10	\$140	PE10	\$170
Cerium	Ce	520.0	S11	\$140	PE11	\$170
Chromium	Cr	357.9	S12	\$140	PE12	\$180
Cobalt	Co	240.7	S13	\$150	PE13	\$170
Copper	Cu	324.8	S14	\$140	PE14	\$180
*Erbium	Er	400.8	S15	\$150	PE15	\$180
*Europium	Eu	459.4	S16	\$150	PE16	\$180
Gadolinium	Gd	368.4	S17	\$230	PE17	\$170
Gallium	Ga	287.4	S18	\$140	PE18	\$170
Germanium	Ge	265.1	S19	\$140	PE19	\$260
Gold	Au	242.8	S20	\$180	PE20	\$180
*Hafnium	Hf	307.8	S21	\$150	PE21	\$180
*Holmium	Ho	410.4	S22	\$150	PE22	\$170
Indium	In	303.9	S23	\$140	PE23	\$180
Iridium	Ir	208.9	S24	\$150	PE24	\$170
Iron	Fe	248.3	S25	\$150	PE25	\$180
Lanthanum	La	550.1	S26	\$150	PE26	\$170
Lead	Pb	217.0	S27	\$140	PE27	\$170
Lithium	Li	670.8	S28	\$140	PE28	\$180
*Lutetium	Lu	336.0	S29	\$150	PE29	\$180
Magnesium	Mg	285.2	S30	\$140	PE30	\$170
Manganese	Mn	279.5	S31	\$140	PE31	\$170
Mercury	Hg	253.7	S32	\$140	PE32	\$170
Molybdenum	Mo	313.3	S33	\$140	PE33	\$170

CONTINUED

Price list
Hollow Cathode Lamps

Elements HCL Lamps	Symbol	Wavelength (nm)	Cat Standard	Price \$US)	Cat P Elmer	Price \$US)
Neodymium	Nd	492.5	S34	\$150	PE34	\$180
Nickel	Ni	232.0	S35	\$140	PE35	\$170
Niobium	Nb	334.9	S36	\$150	PE36	\$180
*Osmium	Os	290.9	S37	\$180	PE37	\$220
Palladium	Pd	247.6	S38	\$180	PE38	\$180
Platinum	Pt	265.9	S39	\$180	PE39	\$260
Potassium	K	766.5	S40	\$140	PE40	\$170
Rhenium	Re	346.0	S41	\$150	PE41	\$180
Rhodium	Rh	343.5	S42	\$450	PE42	\$660
*Rubidium	Rb	780.0	S43	\$180	PE43	\$280
Samarium	Sm	429.7	S44	\$150	PE44	\$180
*Scandium	Sc	391.2	S45	\$150	PE45	\$180
Selenium	Se	196.0	S46	\$140	PE46	\$180
Silicon	Si	251.6	S47	\$140	PE47	\$170
Silver	Ag	328.1	S48	\$140	PE48	\$210
Sodium	Na	589.0	S49	\$150	PE49	\$170
Strontium	Sr	460.7	S50	\$220	PE50	\$170
Tantalum	Ta	271.5	S51	\$140	PE51	\$180
*Terbium	Tb	432.7	S52	\$140	PE52	\$210
Tellurium	Te	214.3	S53	\$140	PE53	\$310
Thallium	Tl	276.7	S54	\$140	PE54	\$170
Tin	Sn	233.5	S55	\$150	PE55	\$170
Titanium	Ti	364.3	S56	\$140	PE56	\$170
Tungsten	W	255.1	S57	\$140	PE57	\$180
Vanadium	V	318.5	S58	\$140	PE58	\$180
Zinc	Zn	213.9	S59	\$140	PE59	\$170
Zirconium	Zr	360.1	S60	\$150	PE60	\$170

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 GBP X0.7

For Prices in Euro X0.9

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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