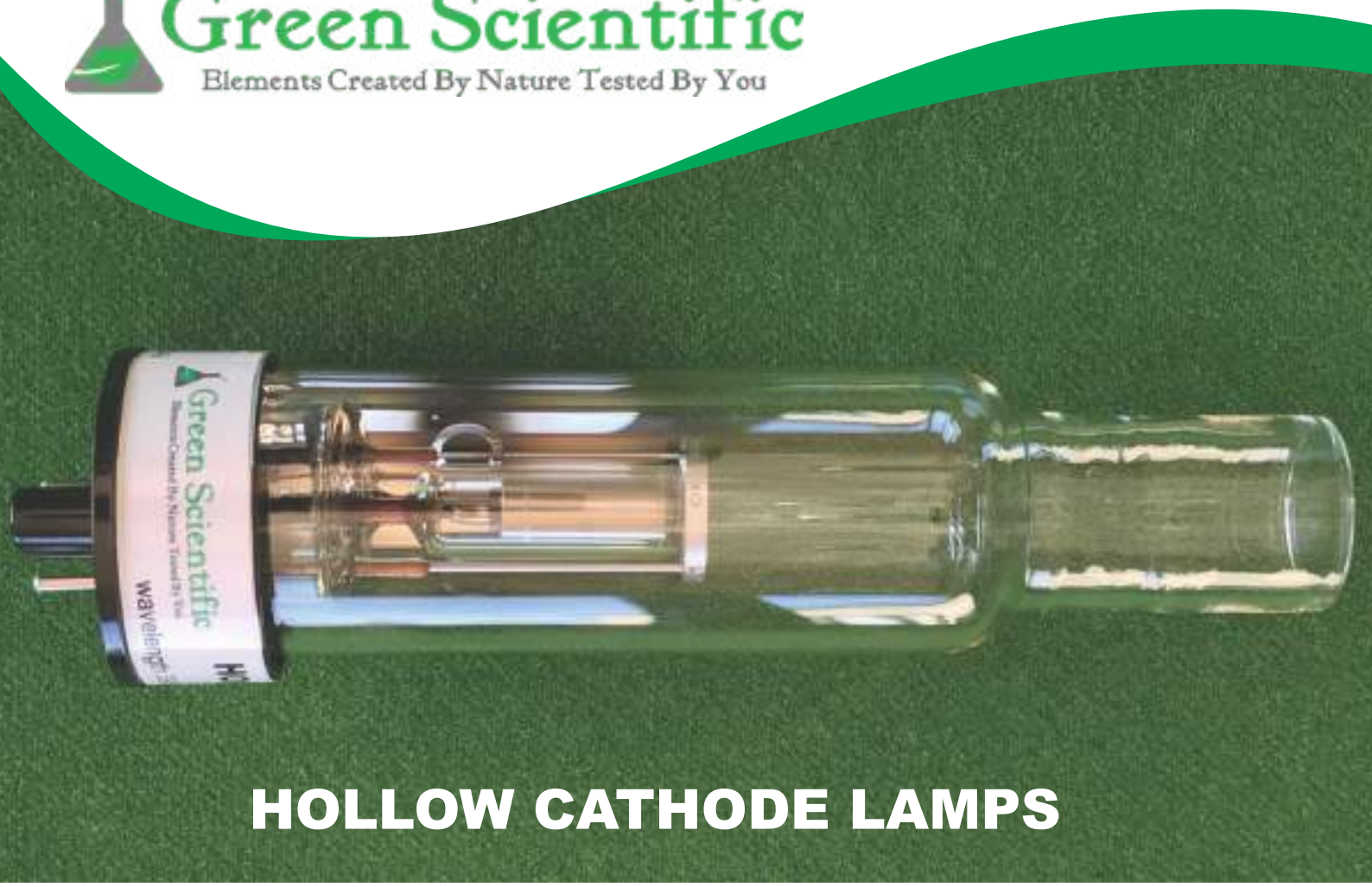
Green Scientific

Elements Created By Nature Tested By You



HOLLOW CATHODE LAMPS

Directly used in the following AAS systems: Agilent, Varian, Analytic Jena, Thermo Fisher, GBC, Shimadzu, Hitachi and many more.

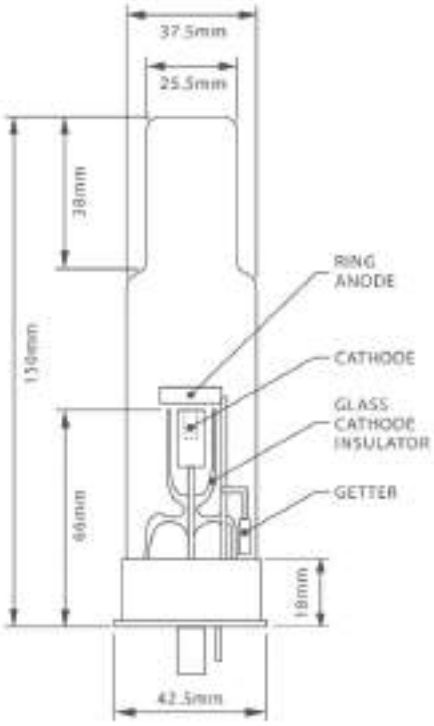
Cathodes are designed with either a pure element or compound to produce the best sputter rate at the lowest current. To enable a lamp to run the most economical way possible.

Note: increasing lamp current increases the sputter rate and deceases lamp life, sensitivity and linearity.
Hollow cathode lamps produced by Green Scientific are designed and manufactured to achieve all of the following fundamental requirements for a spectral line source.

- Intense emission of resonance (ground state derived) lines.
- Narrow line width, for maximum senitivity and linearity.
- Minimal spectral interference from continuum emission, present in the cathode.
- Rapid warm up to produce stable long term light emission.
- Noise free operation.
- long running life and a 5 year shelf life.

Jeff Green has over 22 years experience in the industry and is now launching his own business based in Australia. Founded in 2016 Green Scientific is a company that aims to supply the world with scientific equipment in a way that also promotes environmental sustainability.

To do our part in shaping a greener future. Green Scientific has decided to donate 10% of all profits to reforestation. We encourage you to support us on our mission to help supply the world with laboratory consumables and equipment



Coded lamps

G800AC Series = Agilent and Varian coded - 4 pin plug

G800TC Series = Thermo / Unicam coded - 7 pin plug

G900L Series = Perkin Elmer AAnalyst - Cableless - 4 pin plug

ROC

ALWAYS A STEP AHEAD

Symbol	Part No.	Primary Wavelength	Secondary Wavelength	Secondary Wavelength
Al	G801	396.2nm	308.2nm	309nm
Sb	G802	217.6nm	206.8nm	217.9nm
As	G803	193.7nm	189nm	197.2nm
Ba	G804	553.5nm	455.4nm	493.4nm
Be	G805	234.9nm	-	-
Bi	G806	223.1nm	222.8nm	227.7nm
B	G807	249.8nm	208.9nm	-
Cd	G808	228.8nm	326.1nm	-
Ca	G809	422.7nm	239.9nm	-
Cs	G810	852.1nm	455.6nm	-
Ce	G811	520nm	569.7nm	-
Cr	G812	357.9nm	425.4nm	427.5nm
Co	G813	240.7nm	304.4nm	-
Cu	G814	324.8nm	217.9nm	218.2nm
Dy	G815	421.2nm	404.6nm	-
Eu	G816	459.4nm	462.7nm	-
Gd	G818	368.4nm	405.8nm	407.9nm
Ga	G819	294.4nm	403.3nm	417.2nm
Ge	G820	265.2nm	271nm	-
Au	G821	242.8nm	267.6nm	-
In	G824	303.9nm	325.6nm	410.2nm
Ir	G825	208.9nm	264nm	266.5nm
Fe	G826	248.3nm	248.8nm	372nm
La	G827	550.1nm	403.7nm	-
Pb	G828	217nm	283.3nm	261.4nm
Li	G829	670.8nm	323.3nm	-
Lu	G830	353.9nm	356.7nm	337.6nm
Mg	G831	285.2nm	202.5nm	-
Mn	G832	279.5nm	279.8nm	280.1nm
Hg	G833	253.7nm	-	-
Mo	G834	313.3nm	320.9nm	-
Nd	G835	492.5nm	463.4nm	-
Ni	G836	322nm	321.1nm	341.5nm
Nb	G837	334.9nm	405.9nm	408nm
Os	G838	290.9nm	305.9nm	426nm
Pd	G839	247.6nm	244.8nm	340.5nm
Pt	G840	265.9nm	264.7nm	299.8nm
K	G841	766.5nm	404.4nm	769.9nm
Re	G843	346nm	346.5nm	-
Rh	G844	343.5nm	328.1nm	369.2nm
Rb	G845	780nm	794.8nm	-
Ru	G846	349.9nm	392.6nm	-
Sm	G847	429.7nm	476nm	-
Se	G849	196nm	204nm	-
Si	G850	251.6nm	250.7nm	251.4nm
Ag	G851	328.1nm	338.3nm	-
Na	G852	589nm	330.2nm	589.6nm
Sr	G853	460.7nm	407.8nm	-
Ta	G854	271.5nm	275.8nm	-
Te	G855	214.3nm	225.9nm	-
Tl	G857	276.7nm	258nm	-
Sn	G860	235.5nm	224.6nm	266.1nm
Ti	G861	364.3nm	365.4nm	399nm
W	G862	255.1nm	294.7nm	400.9nm
V	G864	318.5nm	306.6nm	318.4nm
Yb	G865	398.8nm	346.4nm	-
Y	G866	410.2nm	414.2nm	-
Zr	G868	360.1nm	468.7nm	354.8nm
Zn	G869	213.9nm	307.6nm	-
P	G874	213.6nm	-	-