Green Scientific
Elements Created By Nature Tested By You

OPERATING DATA SHEET

37mm or 1.5" Diameter Coded and Uncoded

HOLLOW CATHODE LAMPS

Each Hollow Cathode Lamp is tested to ensure that it will perform to specifications in your instrument. As each instrument uses different operating conditions, it is necessary to provide instructions of lamp run currents. By using this chart, the lamp will provide optimum performance and achieve the longest possible lamp life. Please be sure to start your lamp on the lower run current and increase the current **one mA** at a time (**up to 5 mA**) until the peak energy of the lamp is found. **Please note running your lamp on a lower current will prolong the life of your lamp.** If you have any problems please contact us.

Green Scientific Common Elements and Part Numbers	**Agilent/Varian** SpectrAA 5/10/30/40/100/200/300/400/600/ 640/800 SpectrAA-50/55 AA140 & AA240 AA240FS & AA280FS AA Duo **Varian** 30Z/40Z 300Z/400Z 640Z/800Z 55 B AA240Z & AA280z	**GBC** SB-900 901/902/904/906/908/ 903/905/ 909/932/933/933B Prospector SensAA, Savant Zeeman, Savant AAS, Savant Z AAS, Sens Xplor AA **Shimadzu** 640/645/646/680 AA-6800 AA-6300 AA-6200 AA-700 **Hitachi** All models	**Thermo Fisher** All Models M Series S Series iCE 3300 3400 3500	**Analytik Jena** NovAA 300, 350, 400 &400P Zeeman ZEEnit 600/650 P/700 P
	mA	**mA**	**mA**	**mA**
G801 - Aluminium (Al)	10	10	10	6
G802 - Antimony (Sb)	5	10	10	7
G803 - Arsenic (As)	6	7	8	5
G804 - Barium (Ba)	15	15	15	6
G806 - Bismuth (Bi)	6	8	10	4
G807 - Boron (B)	10	18	20	8
G808 - Cadmium (Cd)	2	3	3	3
G809 - Calcium (Ca)	3	4	5	4
G812 - Chromium (Cr)	5	6	6	5
G813 - Cobalt (Co)	8	10	10	7
G814 - Copper (Cu)	3	4	4	3
G821- Gold (Au)	3	5	5	5
G826 - Iron (Fe)	4	6	6	6
G828 - Lead (Pb)	3	4	4	3
G829 - Lithium (Li)	8	10	10	4
G831 - Magnesium (Mg)	3	4	4	2
G832 - Manganese (Mn)	4	5	5	7
G833 - Mercury (Hg)	2	3	3	3
G834 - Molybdenum (Mo)	5	7	7	7
G836 - Nickel (Ni)	3	5	5	5
G839 - Palladium (Pd)	8	10	10	6
G840 - Platinum (Pt)	5	10	10	6
G841 - Potassium (K)	8	10	10	4
G849 - Selenium (Se)	8	8	10	6
G850 - Silicon (Si)	10	12	14	7
G851 - Silver (Ag)	2	4	4	4
G852 - Sodium (Na)	4	5	5	3
G854 - Tantalum (Ta)	15	18	18	8
G855 - Tellurium (Te)	5	6	7	7
G857 - Thallium (Tl)	5	4	7	7
G858 - Thorium (Th)	8	6	10	8
G860 - Tin (Sn)	6	8	8	6
G861 - Titanium (Ti)	15	18	18	7
G862 - Tungsten (W)	15	18	18	8
G864 - Vanadium (V)	15	18	18	6
G867 - Zinc (Zn)	4	5	5	4
G868 - Zirconium (Zr)	15	18	18	7
G870 - Ca/Mg	5	5	5	3
G871 - Na/K	8	10	10	6
G872 - Cu/Zn	4	5	5	3
G873 - Cr/Co/Cu/Fe/Mn/Ni	6 - 10	10	10	6
G874 - Phosphorus (P)	15 - 20	20	20	7

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Green Scientific Uncommon Elements and Part Numbers.	**Agilent/Varian** SpectrAA 5/10/30/40/100/200/300/400/600/ 640/800 SpectrAA-50/55 AA140 & AA240 AA240FS & AA280FS AA Duo **Varian** 30Z/40Z 300Z/400Z 640Z/800Z AA240Z & AA280z	**GBC** SB-900 901/902/904/906/908/ 903/905/ 909/932/933/933B Prospector SensAA, Savant Zeeman, Savant AAS, Savant Z AAS, Sens Xplor AA **Shimadzu** 640/645/646/680 AA-6800 AA-6300 AA-6200 AA-700 **Hitachi** All models	**Thermo** All Models M Series S Series iCE 3300 3400 3500	**Analytik Jena** NovAA 300, 350, 400 & 400P Zeeman ZEEnit 600/650 P/700 P
	mA	**mA**	**mA**	**mA**
G805 - Beryllium (Be)	6	10	10	5
G810 - Cesium (Cs)	15	18	20	6
G811 - Cerium (Ce)	10	10	10	10
G815 - Dysprosium (Dy)	18	18	18	18
G816 - Erbium (Er)	10	10	10	10
G817 - Europium (Eu)	10	12	12	12
G818 - Gadolinium (Gd)	15	18	18	18
G819 - Gallium (Ga)	4	5	5	3
G820 - Germanium (Ge)	4	5	5	4
G822 - Hafnium (Hf)	10	12	12	12
G823 - Holmium (Ho)	15	18	18	18
G824 - Indium (In)	3	5	5	3
G825 - Iridium (Ir)	4	18	5	3
G827 - Lanthanum (La)	12	18	10	18
G830 - Lutetium (Lu)	15	10	10	10
G835 - Neodymium (Nd)	12	18	18	18
G837 - Niobium (Nb)	15	18	18	18
G838 - Osmium (Os)	10	18	12	18
G842 - Praseodymium (Pr)	10	12	12	12
G843 - Rhenium (Re)	8	18	15	15
G844 - Rhodium (Rh)	5	6	6	4
G845 - Rubidium (Rb)	8	10	10	6
G846 - Ruthenium (Ru)	8	10	10	10
G847 - Samarium (Sm)	8	10	10	10
G848 - Scandium (Sc)	8	10	10	10
G853 - Strontium (Sr)	8	10	10	6
G856 - Terbium (Tb)	8	10	10	10
G859 - Thulium (Tm)	14	18	18	18
G863 - Uranium (U)	15	18	18	8
G865 - Ytterbium (Yb)	4	5	5	4
G866 - Yttrium (Y)	8	10	10	10
G869 - Continuum (H2)		40		

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