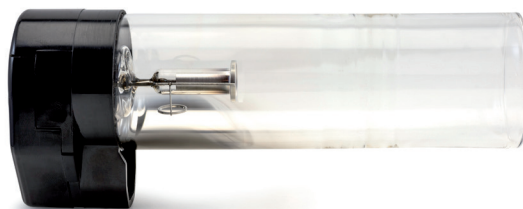


# Hollow Cathode Lamps - Operating Data Sheet

## 2inch (51mm) Diameter Lamps

Recommended operating currents are listed for PerkinElmer instruments. Use of the recommended current will give you the optimum combination of performance and lamp life. If performance permits, operating at a lower current will prolong the life of your lamp



Element	Recommended Current	Maximum Current
	mA	mA
Aluminium (Al)	25	30
Antimony (Sb)	20	20
Arsenic (As)	18	20
Barium (Ba)	25	30
Beryllium (Be)	30	30
Bismuth (Bi)	12	15
Boron (B)	30	30
Cadmium (Cd)	4	10
Calcium (Ca)	10	25
Cerium (Ce)	20	30
Cesium (Cs)	20	30
Chromium (Cr)	25	30
Cobalt (Co)	30	40
Copper (Cu)	15	25
Dysprosium (Dy)	30	30
Erbium (Er)	30	30
Europium (Eu)	35	35
Gadolinium (Gd)	35	35
Gallium (Ga)	20	20
Germanium (Ge)	30	30
Gold (Au)	10	20
Hafnium (Hf)	30	30
Holmium (Ho)	30	30
Indium (In)	20	20
Iridium (Ir)	30	30
Iron (Fe)	30	30
Lanthanum (La)	30	30
Lead (Pb)	12	12
Lithium (Li)	15	25
Lutetium (Lu)	25	25
Magnesium (Mg)	6	10
Manganese (Mn)	20	30
Mercury (Hg)	6	8
Molybdenum (Mo)	30	40
Neodymium (Nd)	30	30
Nickel (Ni)	25	30
Niobium (Nb)	40	40
Osmium (Os)	20	25
Palladium (Pd)	30	30
Phosphorus (P)	35	35
Platinum (Pt)	30	30
Potassium (K)	12	12

Element	Recommended Current	Maximum Current
	mA	mA
Praseodymium	35	35
Rhenium (Re)	30	30
Rhodium (Rh)	30	30
Rubidium (Rb)	20	20
Ruthenium (Ru)	30	30
Samarium (Sm)	30	30
Scandium (Sc)	30	30
Selenium (Se)	16	16
Silicon (Si)	40	40
Silver (Ag)	10	20
Sodium (Na)	8	10
Strontium (Sr)	20	25
Tantalum (Ta)	40	40
Tellurium (Te)	30	30
Terbium (Tb)	30	30
Thallium (Tl)	6	6
Thorium (Th)	20	20
Thulium (Tm)	30	30
Tin (Sn)	30	35
Titanium (Ti)	40	40
Tungsten (W)	40	40
Uranium (U)	25	25
Vanadium (V)	40	40
Ytterbium (Yb)	30	35
Yttrium (Y)	30	35
Zinc (Zn)	15	25
Zirconium (Zr)	40	40
Ca/Mg	15	20
Na/K	12	12
Cu/Zn	10	15
6 Multi	30	35
Ca/Mg/Zn	20	20
Cr/Ag/Cu/Mg/Al/Fe	30	35
Co/Cr/Cu/Mn/Ni	30	35
Ca/Mg/Al	20	30
Cu/Fe/Mn/Zn	25	30
Cu/Fe/Ni	30	35
Ca/Zn	15	20
Ag/Cr/Cu/Fe/Ni	30	35
Au/Ag	15	20
Fe/Co/Cu/Mn/Mo	30	35
Cr/Cu/Ni/Ag	30	35