

Replacement Lamps - HPLC

A complete line of quality replacement lamps for: Uv/Vis Spectrophotometers, Spectrofluorometers, HPLC, Microplate Readers, AA instruments and Chemistry Analyzers.

Lamps for:

Agilent,, Amersham – Pharmacia, AKTA Explorer, ABI, ATI, AVIV, Bausch & Lomb, Beckman, Bio–Tek, BioWhittaker, Cary, GBC, Gilford, Gilson, Hach, HP, Hitachi, Jasco, Jenway, Knauer, LKB, Milton Roy, Molecular Devices, Perkin Elmer, Perceptive Biosystems, PE, Pharmacia, Shimadzu, Spectra Physics, Spectronic, TSP, Tecan, Thermo Spectronic, Unico, Varian, Victor Wallac, Waters and many more.

These lamps meet or exceed the performance standards of the Original Equipment Manufacturer (OEM) lamps that they replace – and you will save at least 40%.

Agilent	Bio-Tek	Evotec	Jasco	Michrom	Shimadzu
Alltech	BioWhittaker	Fisher	Jenway	Milton Roy	Sievers / Ionics
Alltex		GBC		Molecular Devices	Sonntek
Amersham Biosciences		Gilford	Knauer	Nicolet	Spectra-Physics
Aminco	Camag	Gilson	Kontron	Olympus	Spectronic
ABI			Kratos	Perkin Elmer	SPEX
ATI	Cary	Gynkotec		Perceptive Biosystems	Tecan
Aviv	Cecil	Hach		Pharmacia	(TSP) Thermo Separations
BAS	Ciba Corning	HP / Hewlett Packard	LDC	Pye Unicam	Thermo Spectronic
Bausch & Lomb	Cole-Parmer	Hitachi	Linear	Rainin	
Beckman	Dionex		LKB		Unico
Bio-Rad	Dupont	IBM	McPherson		Varian
Biotage / Dyax	EM Science	ISCO	Merck		Victor Wallac
	ESA		Microscope	Sequoia-Turner	Waters

Browse by OEM Manufacturer

ABI
ABI / Perkin Elmer
Agilent
Agilent/HP
Alltech
Aminco Bowman / SLM
Analytik Jena
ATI
AVIV
BAS
Bausch & Lomb
Beckman / Altex
Bio-Rad
Bio-Tek
Biotage / Dyax
BioWhittaker
Camag
Cecil Instruments
Ciba Corning
Cole-Parmer
Dionex
Dupont
Evotec
Fisher
GBC
Gilford
Gilson
Gynkotec
Hach
Hitachi
IBM
Implen GmbH
Isco
Jasco

Agilent / HP / Hewlett-Packard		
Model	Catalog #	Type
1040A, 1040M, 1040, 1084B	N-10-LB	D2
1046	N-890-LO	Xe
1084B, 1080	N-205-LO	D2
1050, 79853A	N-295-LO	D2
1050, 79853C, 79854A	N-10-LB	D2
1040/1090, 79880A, 79881A	N-10-LB	D2
1050 DAD (G-1306A)	N-10-LB	D2
1090, Series I & II	N-10-LB	D2
8450A	N-16-LB	D2
8450A	N-855-LB	W
8451A	N-11-LB	D2
8452A	N-12-LB	D2
8453A, 8453E	N-15-LB	D2
8453A (Extended Life Lamp)	N-13XT-LB	D2
8453A, Prealigned visible	N-850-LB	W
1100 VWD (tunable monochromator), (G1314A)	N-14-LB	D2
1100 DAD (Diode Array), (G1315A, G1315B, G1365A, G1365B)	N-13-LB	D2
1100 DAD (Diode Array), Prealigned Visible, (G1315A, G1315B)	N-850-LB	W
1100 DAD (Diode Array), (Extended Life Lamp), (G1315A, G1315B, G1365A, G1365B)	N-13XT-LB	D2
G1321A	-	Xe
HP3F/CE (Diode Array) DAD	N-13-LB	D2
HP 3DCE (Tunable Wavelength) (see HP Note #1)	N-14-LB	D2
HP Note #1: The N-14-LB is a cost effective, higher performance replacement for the HP 3DCE OEM lamp. The N-14-LB is not a "see-thru" lamp and provides UV energy only. ³		
Alltech		
Model	Catalog #	Type
200, 201, 205	N-40-LB	D2
200	N-760-LB	W
305	N-910-LB	P/Xe
Amersham BioScience (see Pharmacia listing below)		
Aminco Bowman / SLM		
Model	Catalog #	Type
SLM 2000	N-280-LO	D2
SLM 3000	N-270-LO	D2
SLM 4800, 8000, 8100	N-855-LO	Xe ofr
AB2	-	Xe
SPF-500	-	Xe
ABI / Perkin Elmer / Kratos		
Model	Catalog #	Type
CytoFlur II, CytoFlur 4000 Plate Reader	N-916-LO	W
120A, 130A (see ABI Note #1)	N-1-LB or N-4-L	
305	N-910-LB	P/Xe
270A-HT, 1000S (see ABI Note #1)	N-1-LB or N-4-LB	D2

Jenway
Knauer (Sonntek)
Kontron
LKB
McPherson
Michrom Bioresources
Molecular Devices
Nova Biotech
Olympus
Perceptive Biosystem..
Perkin Elmer
Pharmacia
Rainin / Varian
Sequoia-Turner
Shimadzu
SLM/Aminco
Spectra-Physics
Spectronic
SPEX
SSI
Tecan
Torrey Pines Scienti..
TSP
Unicam
Unico
Varian / Cary
Victor Wallac
Waters

FS 950		Hg
FS 970, 980 (see ABI Note #1)	N-1-LB or N-4-LB	D2
SF 757, 773, 783, 783A, 785A (ABI Note #1)	N-1-LB or N-4-LB	D2
SF 759A	N-4-LB	D2
SF 769, 770	N-1-LB	D2
ADB7XX	N-4-LB	D2
SF 769, 770, FS 970	N-1-MLA	D2
SF 773	N-2-MLA	D2
All others	N-3-MLA	D2
ABI Note #1: The N-1-LB is a replacement holder in which the lamp cartridge is held in place by 1 short pin and a stainless steel strap. The N-4-LB is a ABI style holder in which the lamp cartridge is held in place by 2 pins (one short, one long) and a retaining spring. Both configurations use the same lamp cartridge.		
ATI		
	Model	Catalog #
	Type	
ATI/240, 250	N-34-MLA	D2
ATI/240, 250	N-34-LB	D2
ATI Note: #1: The N-34-MLA is a replacement assembly which replaces an OEM lamp. The N-34-MLA assembly includes both a lamp and a new lamp holder. The first time you replace an OEM lamp you must use the N-34-MLA. Subsequent replacements require only the lamp (N-34-LB) be replaced.		
AVIV		
	Model	Catalog #
	Type	
ATF-105 Fluorometer	N-1910-LO	Xe
AVIV other models	-	Xe
BAS		
	Model	Catalog #
	Type	
UV 116A, 2000	N-40-LB	D2
FL45	N-910-LB	P/Xe
Bausch & Lomb / Milton Roy / Spectronic / Thermo Spectronic / Thermo Electron		
	Model	Catalog #
	Type	
DE 50	N-225-LO	D2
Spectronic 20	N-905-LB	W
Spectronic 20 (2 pack)	N-905x2-LB	W
Spectronic 20 (4 pack)	N-905x4-LB	W
Spectronic 21 (see Spectronic Note #3)	N-906-LB	W
Spectronic 21 UVD	N-225-LO	D2
Spectronic 200, 601, 700, 710	N-225-LO	D2
Spectronic 601 Early Style (see Spectronic Note #1)	N-880-LO	W
Spectronic 601 Newer Style (see Spectronic Note #2)	N-881-LO	W
Spectronic 601,1001, 1201, 2000 (Lamp Only)	N-225-LO	D2
Spectronic 601, 1001, 1201, 2000 (in pre-aligned bracket)	N-225-LB	D2
Spectronic 1001, 1201	N-810-L0	W
Spectronic 3000 (also see SLM/Aminco)	N-270-LO	D2
Genesys 2, Genesys 2PC (bare lamp, use old bracket)	N-226-LO	D2
Genesys 2,	N-880-L0	W
Genesys 5,	N-880-L0	W
Genesys 5 (bare lamp, use old bracket)	N-226-L0	D2
Genesys 5 (pre-aligned clip-in bracket)	N-435-LB	D2
Genesys 6	-	P/Xe
Genesys 8	N-976-LB	D2
Genesys 8	N-975-LB	W
Genesys 10	-	W
Genesys 10 UV	-	P/Xe
Genesys 20	N-880-LO	W
Biomate 3	-	P/Xe
Biomate 5	-	D2
Biomate 5	-	W



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Helios, pre-aligned Uv lamp assembly	N-1107-LB	D2
Helios, pre-aligned visible lamp assembly	N-1108-LB	W
Spectronic Note #1: Visible lamp, N-880-LO (early style), has pointed top		
Spectronic Note #2: Visible lamp, N-881-LO (newer style), has rounded top		
Spectronic Note #3: Visible lamp mounted on small printed circuit board		
Beckman / Altex		
Model	Catalog #	Type
20, 24, 26, 35, 36	N-250-LO	D2
25	N-200-LO	D2
20, 24, 25, 26, 34, 35,36	N-860-LO	W
153	N-885-LO	Hg
160		Hg
163	N-205-LO	D2
164, 165, 167	N-74-LB	D2
166	N-70-MLA	D2
166	N-70-LB	D2
168	N-75-MLA	D2
168	N-75-LB	D2
5200, ACTA	N-250-LO	D2
5200, ACTA	N-865-LO	W
5240	N-870-LO	W
DB, DBG, DBGT, DK, DU	N-305-LO	D2
DU-6, 7, 8, 20, 30, 40, 50	N-250-LO	D2
DU-6, 7, 8	N-840-LO	W
DU- 50, 60, 62, 63, 64, 65, 70	N-835-LO	W
DU-60, 62, 63, 64, 65	N-71-LB	D2
DU-70	N-73-LB	D2
DU-520, DU 530	N-110-LB	D2
DU-520, DU 530	N-730-LB	W
DU-600, 640, 650, 7400, 7500	N-72-LB	D2
DU-600, 640, 650, 7000, 7400, 7500	N-835-LO	W
P/ACE 2000, 2050, 2100, 2200,	N-77-LB	D2
P/ACE 5000, 5005, 5010, 5500, 5510, MDQ	N-76-LB	D2
Bio-Rad		
Model	Catalog #	Type
1305, 1306	N-290-LO	D2
750-1300, 760-1300	N-22-LB	D2
750-1300, 760-1300	N-23-LB	-
750-1300, 760-1300	N-735-LO	W
1305, 1306	N-290-LO	D2
1706, 1806A	N-295-LO	D2
1740	-	Hg
1790, 1801, Bio-Dimension	N-40-LB	D2
1806B	-	D2
Biofocus, Microsampler 100	N-41-LB	D2
Remedi	N-115-LB	D2
Smart Spec 3000	-	P/Xe
3550 Plate Reader	N-1003-LO	W
Biotage / Dyax		
Model	Catalog #	Type
Parallex Flex	Inquire	D2
Bio-Tek Plate Reader		
Model	Catalog #	Type
EL-312 (parabolic quartz halogen)	N-911-LO	W
EL-311 (parabolic quartz halogen)	N-915-LO	W
BioWhittaker Plate Reader		
Model	Catalog #	Type
ELx-808 (parabolic quartz-halogen)	N-914-LO	W
Camag		



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Model	Catalog #	Type
TLC II Scanner	N-205-LO	D2
Cary (see Varian listing below)		
Cecil Instruments		
Model	Catalog #	Type
1000, 2000, 3000 series	N-526-LO	D2
1070 Series	N-526-LO	D2
5000, 6000, 7000 Series	N-526-LO	D2
8000, 9000	N-526-LO	D2
CE1010, 1020, 1070, 1200, 1220	N-526-LO	D2
3041, 3000, 2000 (equiv 2202-0140)	N-1105-LB	W
Cecil Note #1: The N-526-LO has a long nosed window and includes a timer		
Ciba Corning		
Model	Catalog #	Type
Express 550/Plus Chemistry Analyzer	1453x135A	W
Cole-Parmer		
Model	Catalog #	Type
01953-00	N-40-LB	D2
Dionex		
Model	Catalog #	Type
39546, 39557	-	-
AD20	N-5-LB	D2
DSA-1	N-40-LB	D2
PDA 20	N-5-LB	D2
RF 1002, RF 2000	N-800-LO	D2
VDM-1	N-40-LB	D2
UVD-160, UVD-170S, UVD-170U, UVD-320, UVD-340S & UVD-340U	N-91-LB	D2
Dupont		
Model	Catalog #	Type
8800	N-280-LO	D2
850	N-300-LO	D2
EM Science (see Hitachi listing)		
ESA		
Evotec		
Model	Catalog #	Type
Opera	N-802-LO	Xe
Fisher		
Model	Catalog #	Type
20-0344	N-40-LB	D2
GBC		
Model	Catalog #	Type
40	N-895-LO	D2
906, 911	N-200-LO	D2
916, 918, 920	N-895-LO	D2
916	N-740-LO	W
1200	-	-
1205, 1206 & 1210	N-40-LB	D2
1255	N-910-LB	P/Xe
Gilford		
Model	Catalog #	Type
200, 222, 230, 240, 250, 252, 260	1282x14	D2
200, 222, 230, 240, 250, 252, 260 (Prealigned on bracket)	1282x16	W
2000, 2400, 2600	1282x14	D2
2000, 2400, 2600 (Prealigned)	1282x16	W



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Response I, II (lamp only)	21429	D2
Response I, II (Prealigned)	1445x42	W
Stasar I, II, III, Syva S-3, Dow System	1064x19	W
Fluoro IV Fluorometer	1452x14	Xe OFR
Gilson		
Model	Catalog #	Type
115, 116, 117	N-150-LB	D2
118, 119, 151, 152, 155,156	N-151-LB	D2
160	-	D2
Holochrome	N-152-LB	D2
Gynkotec		
Model	Catalog #	Type
160, 170, 320, 340S	N-91-LB	D2
Hach		
Model	Catalog #	Type
DR/4000U	N-110-LB	D2
DR/4000U	N-730-LB	W
HP / Hewlett Packard / Agilent (see Agilent / HP listing)		
Hitachi / EM Science / Merck		
Model	Catalog #	Type
100-10, 20, 30, 40, 60	N-280-LO	D2
101, 102, 111	N-430-LO	D2
124	N-210-LO	D2
150-20	N-51-LB	D2
150-20	N-805-LO	W
200, 300, 330, 340	N-50-LB	D2
655A-22, 23	N-51-LB	D2
F-1000, 1050, 1080, 1200	N-800-LO	Xe
F-2000, 3000, 3010	N-800-LO	Xe
F-4000, 4010, 4500	N-800-LO	Xe
L-2500, 2100, 3200, 4200	N-50-LB	D2
L-3000, 4250	N-51-LB	D2
L-4000	N-53-LB	D2
L-4200	N-815-LO	W
L-4500	N-52-LB	D2
L-7000, 7400,7420, 7450A	N-53-LB	D2
L-7480	N-800-LO	Xe
Series 100	N-805-LO	W
U1100, U2000, U2001,U2010	N-51-LB	D2
U1100, U2000, U2001, U2010	N-921-LO	W
U3000, U3010, U3210, U3310, U3400	N-51-LB	D2
U3000, U3010, U3210, U3310, U3400, U3501	N-921-LO	W
Chemistry Analyzer, Model 911, 912, 914	N-705-LB	W
Chemistry Analyzer, Model 704,705, 717, 747	N-704-LB	W
Hitachi Notes: N-805-LO has internal reflector, small circular bracket & 4" leads.		
IBM		
Model	Catalog #	Type
9523, 9563	N-205-LO	D2
Isco		
Model	Catalog #	Type
1840, V4	N-205-LO	D2
205	N-40-LB	D2
Jasco		
Model	Catalog #	Type
870, 875	N-295-LO	D2
970	-	D2
975A, 975B	-	D2
FP-820, 821, 920	N-800-LO	Xe



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LC-65, 75, 85B, 95	N-210-LO	D2
LC-90, 290	N-94-LB	D2
LC-135, 235	N-210-LO	D2
LC-200 Detector (Uv/Vis)	N-98-LB	D2
LC-295	N-95-LB	D2
LC-480	N-282-LO	D2
Integral 4000	N-210-LO	D2
203, 204,512,650 Series	N-800-LO	Xe
MPF-2A, 3, 4, 43, 43A, 44, 44 A&B	N-800-LO	Xe
46, 55, 57	N-200-LO	D2
200,220, 320, 330, 340, 556, 557	N-50-LB	D2
550, 551, 552, 555	N-240-LO	D2
550S, 551S, 552A, 554	N-400-LO	D2
553, 559, 559A	N-200-LO	D2
570, 571, 571, 575, 576	N-200-LO	D2
3840	N-200-LO	D2
HTS 7000 Plate Reader	N-920-LO	Xe
Lambda 1	N-200-LO	D2
Lambda 1	N-845-LO	W
Lambda 2, 3BM 5, 7, 9, 10, 11, 12	N-92-LB	D2
Lambda 2, 3BM 5, 7, 9, 10, 11, 12	N-845-LB	W
Lambda 3, Lambda 3B	N-300-LO	D2
Lambda 4, 6	N-93-LB	D2
Lambda 4, 6	N-845-LB	W
Lambda 14, 15, 16, 17, 18, Bio	N-92-LB	D2
Lambda 14, 15, 16, 17, 18, Bio	N-845-LB	W
Lambda 19, 20, 40, 800, 900	N-92-LB	D2
Lambda 19, 20, 40, 800, 900	N-845-LB	W
272, 280	N-310-LO	D2
303, 305, 305A&B, 306	-	D2
360, 370, 372, 373, 380	N-310-LO	D2
400, 410, 420, 430	N-410-LO	D2
402, 403, 480, 503, 555, 575	-	D2
460, 560	N-310-LO	D2
603, 605, 703	-	D2
1100, 2100, 4100	N-405-LO	D2
2280, 2380, 3030, 4000	N-310-LO	D2
3100, 3110, 3300	-	D2
5000, 5100	N-310-LO	D2
EZ-150, EZ-201, EZ-210	N-51-LB	D2
EZ-150, EZ-201, EZ-210	N-921-LO	W
Perceptive Biosystems		
Model	Catalog #	Type
BioCad, Sprint	N-40-LB	D2
CytoFluor II & CytoFluor 4000 Fluorometer Plate Reader	N-916-LO	W
Pharmacia / LKB / Amersham Biosciences		
Model	Catalog #	Type
AKTA, Explorer 10, Explorer 100, Purifier, UV 900 Module	N-990-LO	Xe
2140, 2141	N-321-LO	D2
2151	N-20-LB	D2
4050, 4051 & 4054	N-210-LO	D2
GeneQuant Pro	N-877-LB	D2
UltraSpec II, III, & Plus	N-835-LO	W
UltraSpec II, III, & Plus	N-210-LO	D2
UltraSpec 1000E, 2000, 2158, 3000, 4000 (complete assembly: bracket, Uv & Vis lamp) (See Pharmacia Note #1) (See Pharmacia Note #2)	N-300-LB	D2



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UltraSpec 3300 Pro, 4300 Pro (complete assembly: bracket, Uv & Vis lamp) (See Pharmacia Note #1) (See Pharmacia Note #2)	N-300-LB	D2
UltraSpec 1000E, 2000, 2158, 3000, 4000, 3300 Pro, 4300 Pro (replacement visible lamp for N-300-LB)	N-888-LO	W
Pharmacia Note #1: Complete bracket assembly with UV lamp, Vis lamp and connector Pharmacia Note #2: Price includes the trade in of the customer's old bracket.		
Rainin / Varian		
Model	Catalog #	Type
87	N-20-LO	D2
FI-1	-	Xe
UV-1, UV-1A NEW LAMP!	N-950-LB	Xe
UV-C, UV-DII, UV-M	N-40-LB	D2
ProStar 320 NEW LAMP!	N-950-LB	Xe
SLM/Aminco		
3000 Diode Array	N-270-LO	D2
3000 Diode Array	-	W
SSI		
Model	Catalog #	Type
500, 504, 506	N-40-LB	D2
Schoeffel (see ABI / Perkin Elmer / Kratos)		
Sequoia-Turner		
Model	Catalog #	Type
340, 360, 690 (2 bulbs/pack)	N-7506-LO	W
Shimadzu		
Model	Catalog #	Type
SP-4	N-305-LO	D2
SPD-2A, 2AV, 6A, 6AV	N-305-LO	D2
SPD-6	N-815-LO	W
SPD-7A, 7AV	N-305-LO	D2
SPD-10A, 10AV, 10AVP, M10AVP	N-80-LB	D2
SPD-10A, 10AV	N-830-LO	W
SPD,10AVVP, M1A, M6A	-	D2
SPD-M10A, M10AV	N-81-LB	D2
RF-10A, 535, 540, 551	N-800-LO	Xe
RF-530	N-975-LO	Xe
RF-551	N-801-LO	Xe ofr
RF-1501, 5000, 5301	N-800-LO	Xe
CS-920, 930, 9000	N-265-LO	D2
UV-120, 120-02, 140-02	N-265-LO	D2
UV-150, 150-02, 160U	N-265-LO	D2
UV-240, 250, 260, 265	N-265-LO	D2
UV-1201, 1201PC, 1601	N-265-LO	D2
UV-1700	N-265-LO	D2
UV-120, UV 160, UV-260, UV-265, UV-1601, UV-1601PC, UV-1700, UV-2501, UV-3101	N-840-LO	W
UV-2100	N-265-LO	D2
UV-2101, 2401, 3000	-	D2
UV-3100, 3100PC	N-265-LO	D2
AA-625, 630, 640, 660, 670	N-265-LO	D2
AA-680U, 6501	N-265-LO	D2
Spectra-Physics		
Model	Catalog #	Type
CE-500, 1000, 2000	N-40-LB	D2
SC100, 200, SF100, 200	N-40-LB	D2
SP770, 970 (see AFI SF 770)	-	-
SP8400, 8440, 8440XR, 8450, 8490	N-215-LO	D2



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SP8480XR (see AFI SF 783)	-	-
SP-8773 XR (see ABI SF773)	-	-
UV100, 150, 1000, 2000, 3000	N-40-LB	D2
UV600LP	-	D2
Spectronic (see Bausch&Lomb, Milton Roy, Spectronic, Thermo Spectronic)		
SPEX		
Model	Catalog #	Type
3D Fluorometer	N-825-LO	Xe ofr
TECAN		
Model	Catalog #	Type
Spectra, Rainbow Plate Readers (parabolic quartz halogen)	N-1002-LO	W
Thermo Separations Products (TSP)		
Model	Catalog #	Type
SC100-234	N-40-LB	D2
SM I, II, III, D	N-205-LO	D2
SM 3000, 3100, 4000	N-205-LO	D2
SM3100X, 4100	N-42-LB	D2
SM3200	-	D2
SM 5000	-	D2
UV100-411, UV150-511	N-40-LB	D2
200, 203, 204, 205, 206PHD	N-40-LB	D2
6000 DAD Series	N-46-LB	D2
6000 LP	N-46-LB	D2
6000 LP	N-765-L0	W
Thermo Spectronic (see Bausch&Lomb, Milton Roy, Spectronic, Thermo Spectronic)		
Unicam		
Model	Catalog #	Type
UV-1 100	N-54-LB	D2
5625, 5675, 8600 series, 8700 series, 8800 series (equiv 9423-185-03021)	N-1106-LB	W
UV-1 100	-	W
UV-2, UV-3, UV-4, UV-300, UV-500 & UV-550	N-54-LB	D2
UV-2, UV-3, UV-4, UV-500 & UV-550	N-910-L0	W
UNICO		
Model	Catalog #	Type
1100, 1200, 2100, 2102	N-925-LO	W
2100	N-926-LB	D2
2102	N-927-LB	D2
Varian / Cary		
Model	Catalog #	Type
2050	N-290-LO	D2
2070, 9050, 9060, 9065, 9070	-	D2/Xe
2550	N-295-LO	D2
LC-5000, 5500	-	D2
UV50	N-305-LO	D2
UV100, 200, Vista 5500	-	D2
Cary 1, 2, 3, 14, 15, 16	N-525-LO	D2
Cary 1, 2, 3, 14, 15, 16	N-977-LB	W
Cary 100, 200, 300, 400 & 600	N-525-LO	D2
Cary 100, 200, 300, 400 & 600	N-977-LB	W
Cary Spectra A10, A20, A30 & A40	N-525-LO	D2
Cary AA220, AA275, AA300 & AA400	N-525-LO	D2
Cary AA640, AA775, AA800, AA875, AA975, AA1275, AA1475 & AA 300	N-525-LO	D2

Victor Wallac		
Model	Catalog #	Type
1420 Multi Label	N-1201-LO	W
Waters		
Model	Catalog #	Type
420	N-770-LO	Hg
441	N-715-LO	Zn
441	N-720-LO	Cd
440, 441	N-820-LO	Hg
450 (includes adapter kit + N-1-LB lamp)	N-1-MLA	D2
450	N-1-LB	D2
470, 474	N-800-LO	Xe
480, 481	N-205-LO	D2
484	N-30-LB	D2
486	N-31-LB	D2
490E (serial numbers above > 1000)	N-890-LO	Xe
990, 991, 994 (includes adapter kit + N-34-LB lamp)	N-34-MLA	D2
990, 991, 994	N-34-LB	D2
996	N-33-LB	D2
2475	N-800-LO	Xe
2487, 2488	N-36-LB	D2
2487 (extended life lamp)	N-36XT-LB	D2
2996	N-33-LB	D2
LC Module 1 / 34551 System	N-31-LB	D2
Tech Tips, Definitions & Information		
<p>Lamp Configurations / Styles – Our lamps come in three physical configurations/styles: "LO", "LB" and "MLA" with the configuration or lamp construction style denoted by our part number suffix.</p> <p>"LO" – Lamp only, no bracket or holder. Lamp is installed into the instrument's lamp holder and typically requires some alignment or optimization.</p> <p>"LB" – Lamp with bracket/holder. The lamp is "pre-aligned" in a bracket or holder. No physical alignment is typically required.</p> <p>"MLA" – Some instruments were sold by the Original Equipment Manufacturer (OEM) with source lamps that included a proprietary lamp/bracket assembly. In some instruments the proprietary bracket must be replaced because that style of lamp is no longer available. The first time you replace one of these OEM lamps with our lamp you will have to use the "MLA" version of the lamp. Our "MLA" assemblies include the necessary mounting hardware to completely replace/modify the OEM version – plus an "LB" style lamp. You only have to purchase a "MLA" assembly the first time you replace an OEM lamp. After the first replacement, you can order just the "LB" version of the lamp.</p> <p>Types of lamps: "D2" – Deuterium "W" – Tungsten or Halogen "Hg" – Mercury "Xe" – Xenon "Xe ofr" – Xenon Ozone Free "P/Xe" – Pulsed Xenon</p>		