

Product datasheet

Description

Deuterium lamps are broad band sources of ultraviolet light, filled with deuterium at carefully controlled pressures. The lamps provide a continuous UV spectrum from 180nm to 370nm. Applications include:

- spectrophotometers
- HPLC detectors
- capillary electrophoresis apparatus
- medical instrumentation
- densitometry and calorimetry
- pollution analysers

Lamp construction is discussed in detail in manufacturer's literature or on-line, on request.

Lifetime and warranty

Useful lifetime is ultimately defined by the end user and their particular analytical task. The end of useful life is often defined as a drop in radiant intensity to 50% of its original value between 200 and 350nm. A lamp may also be deemed to have reached the end of its useful lifetime because it will not strike, does not produce enough light output, or is not sufficiently stable.

In critical high sensitivity applications such as HPLC, end lifetime is sometimes dictated by arc instability causing jumps in the baseline, a phenomenon that can be delayed by continuous application of the heater voltage during operation.

Deuterium lamps supplied are guaranteed to operate within the stated performance characteristics over the entire spectral range of 200-370nm for a period of 6 months from the date of despatch or number of hours shown below, whichever is the sooner. This is a full replacement policy, but requires the lamp to be returned to your supplier for evaluation.

Lamp window material and lifetime

Envelope type	Timer	Warranty (hours)	Typical lifetime (hours)
Quartz	no	500	1000
Spectrosil (short nose)	no	500	1250
Spectrosil (long nose)	no	500	2000
Spectrosil (long nose)	yes	1500	2000
UV glass	no	500	1500
UV glass	yes	1000	1500
Magnesium fluoride	no	250	500

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Prealignment

An increasingly large number of lamps are supplied prealigned in a lamp holder or bracket. The use of laser aligned jigs and focussing of the lamp on to a pin photodiode ensures the optimum lamp position. In addition, prealigned lamps are tested on an appropriate instrument to guarantee performance.

Timers

Timers are fitting as standard on some lamps. However, increasingly lamp lifetime is monitored by the controlling pc software. In addition disposal problems related to mercury timers means that fewer and fewer times are now fitted. Timers are not fitted retrospectively and are only available factory installed where offered.

Health and safety

Deuterium arc lamps emit ultraviolet light and should not be viewed when operating. The lamp envelope can reach 200°C under normal operating conditions in free air and high voltages are also used to strike and sustain the arc. All proper safety precautions should be taken when working with exposed lamps. The instrument manufacturer's instructions should be followed at all times when replacing and disposing a lamp.

Cleanliness

Finger marks or other detritus on the lamp can burn in and impair the light output. Lamps should always be cleaned after handling using a lens tissue moistened with acetone or alcohol. The lamp should be dry before initiating operation.

Ordering information

Instrument manufacturer	Instrument model	OEM reference	.red catalogue no.
ACS	LC 750/11E		171014-A
ACS	LC 750/12		171014-A
Agilent Technologies	HP 1050	79883-60002	171108-A
Agilent Technologies	HP 1080		171109-A
Agilent Technologies	HP 1081		171109-A
Agilent Technologies	HP 1081B		171109-A
Agilent Technologies	HP 8452A	08452-60104	171493-A
Agilent Technologies	1100 VWD	G1314-60100	171467-A
Agilent Technologies	1200 VWD	G1314-60100	171467-A
Alpkem	510		171398-A

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Instrument manufacturer	Instrument model	OEM reference	.red catalogue no.
Altex	100		171110-A
Altex	163		171111-A
Altex	164		171112-A
Altex	165		171112-A
Altex	167		171112-A
Aminco	DW2,		171471-A
Aminco	DW2A		171471-A
Aminco	DW2S		171471-A
Aminco	DW2C		171472-A
Aminco	DW2000		171472-A
American Hi-Tech	<i>see Scientific Systems, Inc.</i>		
Amersham	<i>see Pharmacia</i>		
AnalytikJena	Spekol 1200	820-60021-0	171113-A
AnalytikJena	Spekol 1300 / 1500	820-60238-0	check
AnalytikJena	Spekord 40/50		171113-A
AnalytikJena	Spekord S100		171113-A
AnalytikJena	Spekord 200 / 205 / 210 / 250		171113-A
AnalytikJena	S10, UV/VIS		171113-A
AnalytikJena	S5/UV		171113-A
AnalytikJena	M500		171113-A
Applied Biosystems (ABI)	120	2900-0484	171007-A
Applied Biosystems (ABI)	120A	2900-0484	171007-A
Applied Biosystems (ABI)	130	2900-0484	171007-A
Applied Biosystems (ABI)	130A	2900-0484	171007-A
Applied Biosystems (ABI)	230A	2900-0484	171007-A
Applied Biosystems (ABI)	270A-HAT (CZE)	2900-0484	171007-A
Applied Biosystems (ABI)	SF757	2900-0484	171007-A
Applied Biosystems (ABI)	SF759	2900-0484	171007-A
Applied Biosystems (ABI)	SF759A	2900-0484	171007-A
Applied Biosystems (ABI)	SF 773	2900-0484	171007-A
Applied Biosystems (ABI)	SF 775	2900-0484	171007-A
Applied Biosystems (ABI)	SF 783	2900-0484	171007-A
Applied Biosystems (ABI)	SF 783 A	2900-0484	171007-A
Applied Biosystems (ABI)	SF 785A	2900-0484	171007-A
Applied Biosystems (ABI)	SF 980	2900-0484	171007-A
Applied Biosystems (ABI)	1000S	2900-0484	171007-A

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Instrument manufacturer	Instrument model	OEM reference	.red catalogue no.
Barspec	All models		171016-A
BAS	200		171017-A
Bausch & Lomb	<i>see also Milton Roy or LDC</i>		
Bausch & Lomb	200		171018-A
Bausch & Lomb	700		171018-A
Bausch & Lomb	710		171018-A
Bausch & Lomb	2000		171018-A
Bausch & Lomb	3100		171114-A
Bausch & Lomb	3200		171114-A
Bausch & Lomb	DE 50		171018-A
Bausch & Lomb	Genesis 2		171115-A
Bausch & Lomb	Genesis 2PC		171115-A
Bausch & Lomb	Genesis 5		171115-A
Bausch & Lomb	Spectronic 21, 21D		171018-A
Bausch & Lomb	Spectronic 501		171018-A
Bausch & Lomb	Spectronic 601		171018-A
Bausch & Lomb	Spectronic 1001		171018-A
Bausch & Lomb	Spectronic 1001 plus		171018-A
Bausch & Lomb	Spectronic 1201		171018-A
Beckman	24		171026-A
Beckman	25		171026-A
Beckman	26		171026-A
Beckman	34		171026-A
Beckman	35		171026-A
Beckman	36		171026-A
Beckman	100		171648-A
Beckman	155	22 887153	171032-A
Beckman	163	22 947029	171033-A
Beckman	164		171026-A
Beckman	165	236920	171026-A
Beckman	166	239372	check
Beckman	167	236920	171026-A
Beckman	168		171476-A
Beckman	5200		171026-A
Beckman	Acta		171026-A
Beckman	DB		171038-A
Beckman	DBG		171038-A
Beckman	DK		171038-A
Beckman	DU		171038-A

Instrument manufacturer	Instrument model	OEM reference	.red catalogue no.
Beckman (contd.)	DU 6	585699	171026-A
Beckman	DU 7	585699	171026-A
Beckman	DU 8	585699	171026-A
Beckman	DU 40	585699	171026-A
Beckman	DU 50	585699	171026-A
Beckman	DU 60	596791	171454-A
Beckman	DU 62	596791	171454-A
Beckman	DU 64	596791	171454-A
Beckman	DU 65	596791	171454-A
Beckman	DU 68	596791	171454-A
Beckman	DU 500, 520, 530		171027-A
Beckman	DII 600	514366	check
Instrument manufacturer	Instrument model	OEM reference	.red catalogue no.
Bios Analytical	Diode Array 1100	2140-0590	171046-A
Bio-Tek Instruments	<i>see Kontron</i>		
Biotronic	BT 3030		171049-A
Biotronic	BT 3035		171050-A
Biotronic	BT 8200		171051-A
Biotronic	BT 9510		171043-A
Biotronic	BT 9520		171043-A
Bischoff	Lambda 1010		171044-A
	DAD3L		171044-A
Buchler	all models		171052-A
Buck Scientific	210 VGP	210-1052- C	check
Camag	HPTLC Scanner	3,540,105	check
Camag	HPTLC Scanner II	3,540,005	check
Camspec	302		check
Camspec	M302		171058-A
Camspec	M330		171058-A
Camspec	M350		171058-A
Camspec	M501		check
Carlo Erba	SP 601		171055-A
Carlo Erba	UV Vis 20		171397-A
Carlo Erba	UV Vis 20RS		171397-A
Carlo Erba	other models		171056-A
Cecil Instruments	Series 1 models		check
Cecil Instruments	Series 2 models		180100-A
Cecil Instruments	202		check
Cecil Instruments	272		check
Cecil Instruments	292		check
Cecil Instruments	373		check
Cecil Instruments	393		check
Cecil Instruments	505		check

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Instrument manufacturer	Instrument model	OEM reference	.red catalogue no.
Cecil Instruments (cont.)	545		check
Cecil Instruments	588		check
Cecil Instruments	594		check
Cecil Instruments	595		check
Cecil Instruments	599		check
Cecil Instruments	5095		check
Cecil Instruments	CE 212		check
Cecil Instruments	CE 212A		check
Cecil Instruments	CE 515 Double Beam		check
Cecil Instruments	CE 1010		180100-A
Cecil Instruments	CE 1020		180100-A
Cecil Instruments	CE 1070		180100-A
Cecil Instruments	CE 1200		180100-A
Cecil Instruments	CE 1220		180100-A
Cecil Instruments	CE 2012		check
Cecil Instruments	CE 2021	2202-0142	180100-A
Cecil Instruments	CE 2112		check
Cecil Instruments	CE 2202		180100-A
Cecil Instruments	CE 2272		180100-A
Cecil Instruments	CE 2292		180100-A
Cecil Instruments	CE 4400		180100-A
Cecil Instruments	CE 5501		180100-A
Cecil Instruments	CE 5502		180100-A
Cecil Instruments	CE 6600		180100-A
Cecil Instruments	CE 6600S		180100-A
Cecil Instruments	CE 6602		180100-A
Cecil Instruments	CE 6603		180100-A
Cecil Instruments	CE 7200		180100-A
Cecil Instruments	CE 8020		180100-A
Cecil Instruments	CE 9020		180100-A
Cecil Instruments	CE 9050		180100-A
Cecil Instruments	CE 9080		180100-A
Cecil Instruments	CE 9090		180100-A
Ciba-Corning	UV 875		171080-A
Coleman	55	C055-0505	171081-A
Coleman	124	C055-0505	171081-A
Coleman	550	C055-0505	171081-A
Coleman	552	C055-0505	171081-A

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Instrument manufacturer	Instrument model	OEM reference	.red catalogue no.
Columbia Sci	SA700		171082-A
Constametric	Spectromonitor III		check
Desaga	CD60		check
Dionex	<i>see also Gynkotek</i>		
Dionex	AD-25		171085-A
Dionex	CES 1	40651	171084-A
Dionex	CZE Capil. Elec.		171084-A
Dionex	DSA-1		171087-A
Dionex	Durrum		171086-A
Dionex	PDA-100		171085-A
Dionex	VDM-1		171087-A
Dionex	VDM-2	40651	171084-A
Dionex	20001		171084-A
Dionex	Ultimate 3000	6,080,201	check
DuPont	825		171088-A
DuPont	837		171089-A
DuPont	850		171088-A
DuPont	852		171091-A
DuPont	860		171092-A
DuPont	862		171092-A
DuPont	870		171094-A
Dynamax	UV-C		171093-A
Dynamax	UV-D11		171093-A
Dynamax	UV-M		171093-A
EM Science	All		171087-A
Erma	ERC 7210		171095-A
Erma	ERC 7211		171095-A
Femto	700		171001-A
Femto	700Plus		171001-A
Femto	700S		171001-A
Femto	800XL		171001-A

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Instrument manufacturer	Instrument model	OEM reference	.red catalogue no.
GAT	LCD 500		171002-A
GAT	LCD 502		171002-A
GAT	LCD 503		171002-A
GAT	LCD 550		171002-A
GBC	All AAS Instruments		171096-A
GBC	LC 1205		171097-A
GBC	LC 1206		171097-A
GBC	LC 1210		171097-A
GBC	UV VIS 918		171096-A
Gilford	200		171413-A
Gilford	220		171413-A
Gilford	222		171413-A
Gilford	230		171413-A
Gilford	240		171413-A
Gilford	250		171413-A
Gilford	252		171413-A
Gilford	260		171413-A
Gilford	2000		171413-A
Gilford	2400		171413-A
Gilford	2600		171413-A
Gilford	Response		171105-A
Gilson	112		171788-A
Gilson	115	100123	171383-A
Gilson	116		171383-A
Gilson	117	100123	171383-A
Gilson	118	100326	171885-A
Gilson	119	100326	171885-A
Gilson	151	10/03/2026	171885-A
Gilson	152	10/03/2026	171885-A
Gilson	153	10/03/2026	171885-A
Gilson	155	100326	171885-A
Gilson	156 dual	100326	171885-A
Gilson	160 Diode Array	1G041402	171885-A
Gilson	170 Diode Array	2140-60001	171885-A
Gilson	Holochrome	30510	171106-A
Gilson	Spectrochrome	2900-0496	check

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Instrument manufacturer	Instrument model	OEM reference	.red catalogue no.
Gynkotec	UVD 160	5053.1204	171384-A
Gynkotec	UVD 320	5053.1204	171384-A
Gynkotec	UVD 170	5053.1204	171384-A
Gynkotec	UVD 340	5053.1204	171384-A
Gynkotec	UVD 170U	5053.1204	171384-A
Gynkotec	UVD 340U	5053.1204	171384-A
Hach	DR/4000U	49513-00	171385-A
Hach	DR/5000	A23792	check
Hitachi	100-10		171116-A
Hitachi	100-30		171116-A
Hitachi	100-40		171116-A
Hitachi	100-50		171116-A
Hitachi	100-60		171116-A
Hitachi	101		171119-A
Hitachi	102		171119-A
Hitachi	111		171119-A
Hitachi	124	982-1035	171122-A
Hitachi	150-20	J 38-4017	171123-A
Hitachi	181		171123-A
Hitachi	200	885-1000	171123-A
Hitachi	220	885-1000	171123-A
Hitachi	220A	885-1000	171123-A
Hitachi	300	885-1000	171123-A
Hitachi	330	885-1000	171123-A
Hitachi	330LC	885-1000	171123-A
Hitachi	340	885-1000	171123-A
Hitachi	556, 557	885-1000	171123-A
Hitachi	655 A22	885-1000	171123-A
Hitachi	2000	885-1000	171123-A
Hitachi	3200	885-1000	171123-A
Hitachi	L-2400 UV Detector		check
Hitachi	L-2420 UV-Vis		check
Hitachi	L-2455 DAD		check
Hitachi	L2500	885-3570	171132-A
Hitachi	L3000	885-3570	171132-A

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Instrument manufacturer	Instrument model	OEM reference	.red catalogue no.
Hitachi (cont.)	L4000	885-3570	171132-A
Hitachi	L4200	885-3570	171132-A
Hitachi	L4225	885-3570	171132-A
Hitachi	L4250	885-3570	171132-A
Hitachi	L4500	885-3570	171132-A
Hitachi	L4720	885-3570	171132-A
Hitachi	L7400	890-2430	171451-A
Hitachi	L7420	890-2430	171451-A
Hitachi	L7450	890-2430	171451-A
Hitachi	L7455 DAD	890-2430	171451-A
Hitachi	U1000	885-1000	171123-A
Hitachi	U1100	885-1000	171123-A
Hitachi	U1500	885-1000	171123-A
Hitachi	U1800		171124-A
Hitachi	U2000	885-1000	171123-A
Hitachi	U2001	885-1000	171123-A
Hitachi	U2800		171124-A
Hitachi	U3010	885-1000	171123-A
Hitachi	U3210	885-1000	171123-A
Hitachi	U3410	885-1000	171123-A
Hitachi	U3501	885-1000	171123-A
Hitachi	U4001	885-1000	171123-A
Hitachi	U4010	885-1000	171123-A
Hi-Tech	StopFlow		check
IBM	LC-Detectors		171141-A
IBM	LC 9523 / LC 9563		171719-A
IBM	Spectrophotometer		171142-A
ICI	LC 1200		171721-A
ICI	LC 1205		171720-A
ICI	LC 1210		171720-A
IFCO	S500		171139-A
Instrument SA	JY-201		171722-A
Isco	1800		171143-A
Isco	V4		171467-A

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Instrument manufacturer	Instrument model	OEM reference	.red catalogue no.
Jasco	870		171144-A
Jasco	875		171144-A
Jasco	2050		171146-A
Jasco	Multi 320		171146-A
Jasco	UV 975A		171144-A
Jasco	Uvidec 1		171147-A
Jasco			
Jasco	Uvidec 2		171147-A
Jasco	Uvidec 4		171147-A
Jasco	Uvidec 4D		171150-A
Jasco	Uvidec 100		171147-A
Jasco	Uvidec 100 II		171147-A
Jasco	Uvidec 100 III		171146-A
Jasco	Uvidec 100 IV		171146-A
Jasco	Uvidec 100 V		171146-A
Jasco	Uvidec 100 VI		171146-A
Jasco	Uvidec 320		171147-A
Jasco	Uvidec 340		171147-A
Jasco	Uvidec 420		171147-A
Jasco	Uvidec 430		171146-A
Jasco	Uvidec 505		171147-A
Jasco	Uvidec 510		171147-A
Jasco	Uvidec 610		171146-A
Jasco	Uvidec 650		171146-A
Jasco	Uvidec 710		171147-A
Jobin Yvon	Monospec 103		171166-A
Joyce Loebel	Chromoscan		171167-A
Joyce Loebel	Scan 400		171168-A
Knauer	87.00	A0877	171169-A
Knauer	97.00	A0877	171169-A
Knauer	2151	A0877	171169-A
Knauer	Welchrom K-2000	A4071-1	171170-A
Knauer	Welchrom K-2001	A4071-1	171170-A
Knauer	Welchrom K-2500	A4071-1	171170-A
Knauer	Welchrom K-2501	A4071-1	171170-A
Knauer	Welchrom K-2600	A4071-1	171170-A

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Instrument manufacturer	Instrument model	OEM reference	.red catalogue no.
Kontron	330	54-02003	171171-A
Kontron	332	91-00541A	171739-A
Kontron	335	91-91494	171739-A
Kontron	430	91-00541A	171739-A
Kontron	430A	91-91494	171739-A
Kontron	432	91-00541A	171739-A
Kontron	433	91-00541A	171739-A
Kontron	440 DAD	91-91095	171552-A
Kontron	535	91-91494	171739-A
Kontron	535 DAD	93-00636	171739-A
Kontron	540 DAD UV-Vis	54-02007	171172-A
Kontron	540+ DAD UV-Vis	54-02007	171172-A
Kontron	545V DAD UV-Vis	54-02007	171172-A
Kontron	710	54-02002	171742-A
Kontron	715	54-02002	171742-A
Kontron	720LC	54-02003	171182-A
Kontron	735		171884-A
Kontron	735LC		171884-A
Kontron	740LC		check
Kontron	810	54-02002	171742-A
Kontron	810P		171178-A
Kontron	820	54-02002	171742-A
Kontron	860	54-02002	171742-A
Kontron	72013C		171179-A
Kontron	Uvikon 430		171739-A
Kontron	Uvikon 432		171739-A
Kontron	Uvikon 600	54-02002	171742-A
Kontron	Uvikon 700	54-02002	171742-A
Kontron	Uvikon 710	54-02002	171742-A
Kontron	Uvikon 720	54-02002	171742-A
Kontron	Uvikon 720LC	54-02002	171742-A
Kontron	Uvikon 722		171884-A
Kontron	Uvikon 725		171185-A
Kontron	Uvikon 730		171884-A
Kontron	Uvikon 800	54-02002	171742-A
Kontron	Uvikon 810	54-02002	171742-A
Kontron	Uvikon 820	54-02002	171742-A
Kontron	Uvikon 860	54-02002	171742-A

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Instrument manufacturer	Instrument model	OEM reference	.red catalogue no.
Kontron (cont.)	Uvikon 922	90-00782ST	171419-A
Kontron	Uvikon 923	90-00782ST	171419-A
Kontron	Uvikon 930	90-00782ST	171419-A
Kontron	Uvikon 931	90-00782ST	171419-A
Kontron	Uvikon 932	90-00782ST	171419-A
Kontron	Uvikon 933	90-00782ST	171419-A
Kontron	Uvikon 940	90-00782ST	171419-A
Kontron	Uvikon 941		171191-A
Kontron	Uvikon 942	54-02002	171742-A
Kontron	Uvikon 943	54-02002	171742-A
Kontron	Uvikon XL	96-90297	171186-A
Kontron	Uvikon XS, CSA	96-90297	171186-A
Kortek	K95	100-3609	171192-A
Kratos	<i>see Applied Biosystems</i>		
LDC-Milton Roy (TSP)	<i>see also Bausch & Lomb</i>		
LDC	3000	900347	171202-A
LDC	3100	900347	171202-A
LDC	3200	900347	171202-A
LDC	4000	900347	171202-A
LDC	4100	900347	171202-A
LDC	4200	900347	171202-A
LDC	5000	900347	171202-A
LDC	12020		check
LDC	Spectromonitor I		check
LDC	Spectromonitor II		check
LDC	Spectromonitor III	900347	171202-A
LDC	Spectromonitor D	900347	171202-A
Lear Sigler (Teledyne Monitor Labs)			
Lear Sigler	SM 400		171770-A
Lear Sigler	SM 700		171770-A
Lear Sigler	SM 810		171770-A
Lear Sigler	SM 1000		171770-A
Lear Sigler	SM 2020		171770-A

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Instrument manufacturer	Instrument model	OEM reference	.red catalogue no.
Linear	<i>see also Spectra Physics & TSP</i>		
Linear	200		171386-A
Linear	203		171386-A
Linear	204		171386-A
Linear	205		171386-A
Linear	206		171386-A
Linear	206PH		171386-A
Linear	Focus		171386-A
Linear	Focus 2000 High Res		171386-A
Linear	Focus 2000 HR		171386-A
Linear	UV 200		171386-A
LKB Biochrom	<i>see LKB Pharmacia</i>		
LKB Pharmacia	4050		171215-A
LKB Pharmacia	4054		171215-A
LKB Pharmacia	Ultraspec I		check
LKB Pharmacia	Ultraspec II		check
LKB Pharmacia	Ultraspec III		check
LKB Pharmacia	Ultraspec Plus		check
LKB Biochrom	<i>see LKB Pharmacia</i>		
LKB Pharmacia	4050		171215-A
LKB Pharmacia	4054		171215-A
LKB Pharmacia	Ultraspec I		check
	Ultraspec II		check
LKB Pharmacia	Ultraspec III		check
LKB Pharmacia	Ultraspec Plus		check
LKB Produkter	2140		check
LKB Produkter	2141		check
McPherson	632		171216-A
McPherson	701, 707		171779-A
Meloy Labs	SA 700	390-0039	171217-A
Merck/Hitachi	<i>see Hitachi</i>		
Metrolab	1700		171214-A

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Instrument manufacturer	Instrument model	OEM reference	.red catalogue no.
Micromeritics	785		171221-A
Micromeritics	786		171221-A
Micromeritics	787		171222-A
Micromeritics	788		171222-A
Micronal	B 382		171219-A
	B582		171220-A
Milton Roy	<i>see Bausch&Lomb or LDC</i>		
Nicolet	8745		171213-A
Optica	10		171223-A
Oriel	26-109-002		171208-A
Oriel	6316		171209-A
Oriel	63162		171210-A
Oriel	63163		171211-A
Oriel	63170		171212-A
Perkin Elmer	AAS 1100	B0148615	171224-A
Perkin Elmer	AAS 1100(B)	B0148615	171224-A
Perkin Elmer	AAS 2100	B0148615	171224-A
Perkin Elmer	AAS 2280	00570194	171229-A
Perkin Elmer	AAS 2380	00570194	171229-A
Perkin Elmer	AAS 3030 (B)	00570194	171229-A
Perkin Elmer	AAS 4000	00400385	171229-A
Perkin Elmer	AAS 4100	B0148615	171224-A
Perkin Elmer	AAS 5000	00400385	171229-A
Perkin Elmer	AAS 5100	00400385	171229-A
Perkin Elmer	AAAnalyst 600 AA	B0148615	171224-A
Perkin Elmer	AAAnalyst 700 AA	B0148615	171224-A
Perkin Elmer	AAAnalyst 800 AA	B0148615	171224-A
Perkin Elmer	Integral 2000		171245-A
Perkin Elmer	Integral 4000	N235 1285	171245-A
Perkin Elmer	Lambda 1	C0550505	171245-A
Perkin Elmer	Lambda 3	C0550505	171245-A
Perkin Elmer	Lambda 3A	C0550505	171245-A
Perkin Elmer	Lambda 3B	C0550505	171245-A

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Instrument manufacturer	Instrument model	OEM reference	.red catalogue no.
Perkin Elmer (cont.)	Lambda 2	B0160 917	171485-A
Perkin Elmer	Lambda 5	B0160 917	171485-A
Perkin Elmer	Lambda 7	B0160 917	171485-A
Perkin Elmer	Lambda 9	B0160 917	171485-A
Perkin Elmer	Lambda 10	B0160 917	171485-A
Perkin Elmer	Lambda 11	B0160 917	171485-A
Perkin Elmer	Lambda 12	B0160 917	171485-A
Perkin Elmer	Lambda 14	B0160 917	171485-A
Perkin Elmer	Lambda 15	B0160 917	171485-A
Perkin Elmer	Lambda 16	B0160 917	171485-A
Perkin Elmer	Lambda 17	B0160 917	171485-A
Perkin Elmer	Lambda 18	B0160 917	171485-A
Perkin Elmer	Lambda 19	B0160 917	171485-A
Perkin Elmer	Lambda 20	B0160 917	171485-A
Perkin Elmer	Lambda 25	B0160 917	171485-A
Perkin Elmer	Lambda 35	B0160 917	171485-A
Perkin Elmer	Lambda 40	B0160 917	171485-A
Perkin Elmer	Lambda 45	B0160 917	171485-A
Perkin Elmer	Lambda 800	B0160 917	171485-A
Perkin Elmer	Lambda 900	B0160 917	171485-A
Perkin Elmer	Lambda Array 3840	C6760011	171257-A
Perkin Elmer	Lambda Bio	B0160 917	171485-A
Perkin Elmer	LC-55	0271 1340	171245-A
Perkin Elmer	LC-55B	0271 1340	171245-A
Perkin Elmer	LC-65B	0271 1340	171245-A
Perkin Elmer	LC-65T	0271 1340	171245-A
Perkin Elmer	LC-75	0271 1340	171245-A
Perkin Elmer	LC-85B	0271 1340	171245-A
Perkin Elmer	LC-95	0271 1340	171245-A
Perkin Elmer	LC-135	0271 1340	171245-A
Perkin Elmer	LC-235C	0271 1340	171245-A
Perkin Elmer	LC-480 PDA	B0160917	171485-A
Perkin Elmer	M46	55-0505	171266-A
Perkin Elmer	M55	B0160917	171485-A
Perkin Elmer	M550	B0160917	171485-A
Perkin Elmer	M550S	B0160917	171485-A
Perkin Elmer	M551	B0160917	171485-A
Perkin Elmer	M551S	B0160917	171485-A
Perkin Elmer	M552 S/N <2030	B0160917	171485-A

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Product datasheet



Instrument manufacturer	Instrument model	OEM reference	.red catalogue no.
Perkin Elmer (cont.)	M552 S/N >2030	B0160917	171485-A
Perkin Elmer	M552A	B0160917	171485-A
Perkin Elmer	M553	B0160917	171485-A
Perkin Elmer	M559	B0160917	171485-A
Perkin Elmer	M559A	B0160917	171485-A
Perkin Elmer	Series 200 DAD, Phase I	N2922010	171226-A
Perkin Elmer	Series 200 DAD, Phase II	N2922046	check
Perkin Elmer	Series 200 UV/vis	N2900484	171227-A
Perkin Elmer	360	00570194	171229-A
Perkin Elmer	370	00570194	171229-A
Perkin Elmer	372	00570194	171229-A
Perkin Elmer	373	00570194	171229-A
Perkin Elmer	380	00570194	171229-A
Perkin Elmer	400		171231-A
Perkin Elmer	410		171231-A
Perkin Elmer	420		171231-A
Perkin Elmer	430		171231-A
Perkin Elmer	460	00570194	171229-A
Perkin Elmer	560	00570194	171229-A
Perkin Elmer	575		171237-A
Perkin Elmer	603		171229-A
Perkin Elmer	703		171229-A
Perkin Elmer	2280		171229-A
Perkin Elmer	2380		171229-A
Perkin Elmer	4000		171229-A
Perkin Elmer	5000		171229-A
PE-Hitachi	124	239-0354	171428-A
PE-Hitachi	139		171429-A
PE-Hitachi	200	239-0354	171428-A
PE-Hitachi	320	239-0354	171428-A
PE-Hitachi	329	239-0354	171428-A
PE-Hitachi	330	239-0354	171428-A
PE-Hitachi	340	239-0354	171428-A
PE-Hitachi	556	239-0354	171428-A
PE-Hitachi	557	239-0354	171428-A
Perceptive Biosystem	BIOCAD Sprint		171282-A
Perceptive Biosystem	BIOCAD 20		171282-A
Perceptive Biosystem	BIOCAD 60		171282-A

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Instrument manufacturer	Instrument model	OEM reference	.red catalogue no.
Pharmacia	<i>see LKB pharmacia</i>		
Philips	<i>see Unicam</i>		
Pye Unicam	<i>see Unicam</i>		
Saitron	Monospec B		171322-A
Scientific Systems, Inc.	500, 506 UV-Vis, 525/201		171387-A
Scientific Systems, Inc.	506 UV-Vis		171387-A
Scientific Systems, Inc.	525/201		171387-A
Scientific Systems, Inc.	200UV		171387-A
Scientific Systems, Inc.	UV 200		171387-A
Scinco	S-1100 Series		171389-A
Severn Analytical	SA 6500		171388-A
Severn Analytical	SA 6503		171388-A
Severn Analytical	SA 6504		171388-A
Severn Analytical	SA 6508		171388-A
Severn Analytical	SA 6510		171388-A
Shimadzu	AA-670		180008-A
Shimadzu	AA-670G		180008-A
Shimadzu	AA-6200		180008-A
Shimadzu	AA-6300		180008-A
Shimadzu	AA-6500		180008-A
Shimadzu	AA-6800		180008-A
Shimadzu	CS-920	062-65055-05	180008-A
Shimadzu	CS-930	062-65055-05	180008-A
Shimadzu	CS-9000	062-65055-05	180008-A
Shimadzu	D300L	062-65055-05	180008-A
Shimadzu	MPS-2000	062-65055-05	180008-A
Shimadzu	1201	062-65055-05?	180008-A
Shimadzu	2201	062-65055-05?	180008-A
Shimadzu	LC 3A		171324-A
Shimadzu	LC 4A		171324-A
Shimadzu	LC 6A		171324-A

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Instrument manufacturer	Instrument model	OEM reference	.red catalogue no.
Shimadzu (cont.)	LC 2010A, 2010C	228-37401	check
Shimadzu	SP4		171324-A
Shimadzu	SPD-2A, 2AM, 2AS	670-14501-02	check
Shimadzu	SPD-6A	062-65056-03	171327-A
Shimadzu	SPD-6AV	062-65056-03	171327-A
Shimadzu	SPD-7A	062-65056-03	171327-A
Shimadzu	SPD-7AV	062-65056-03	171327-A
Shimadzu	SPD-10A	228-34016-02	171465-A
Shimadzu	SPD-10AV	228-34016-02	171465-A
Shimadzu	SPD-10AVP	228-34016-02	171465-A
Shimadzu	SPD-10AVVP	228-34016-02	171465-A
Shimadzu	SPD-M10A	670-14604-00	171466-A
Shimadzu	SPD-M10AV	670-14604-00	171466-A
Shimadzu	SPD-M10AVP	228-34016-02	171465-A
Shimadzu	SPD-20A	228-34016-02	171465-A
Shimadzu	SPD-20AV	228-34016-02	171465-A
Shimadzu	SPD-M10 photo diode		check
Shimadzu	UV-120	200-75503-01	171833-A
Shimadzu	UV-120-01	200-75503-01	171833-A
Shimadzu	UV-120-02	200-75503-01	171833-A
Shimadzu	UV-140	200-75503-01	171833-A
Shimadzu	UV-150	200-75503-01	171833-A
Shimadzu	UV-160	200-75503-01	171833-A
Shimadzu	UV-160A	200-75503-01	171833-A
Shimadzu	UV-180	200-75503-01	171833-A
Shimadzu	UV-190	200-75503-01	171833-A
Shimadzu	UV-200	200-75503-01	171833-A
Shimadzu	UV-202	200-75503-01	171833-A
Shimadzu	UV-210	200-75503-01	171833-A
Shimadzu	UV-210A	200-75503-01	171833-A
Shimadzu	UV-240	200-75503-01	171833-A
Shimadzu	UV-250	200-75503-01	171833-A
Shimadzu	UV-260	200-75503-01	171833-A
Shimadzu	UV-265	200-75503-01	171833-A
Shimadzu	UV-350	200-75503-01	171833-A
Shimadzu	UV-365	200-75503-01	171833-A
Shimadzu	UV-370	200-75503-01	171833-A
Shimadzu	UV-625	200-75503-01	171833-A
Shimadzu	UV-1200 Series	200-75503-01	171833-A

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Instrument manufacturer	Instrument model	OEM reference	.red catalogue no.
Shimadzu (cont.)	UV-min-1240	200-75503-01	171833-A
Shimadzu	UV-1600 Series	200-75503-01	171833-A
Shimadzu	UV-1700 Series	200-75503-01	171833-A
Shimadzu	UV-2100 Series	200-75503-01	171833-A
Shimadzu	UV-3000 Series	200-75503-01	171833-A
Shimadzu	UV-3100 Series	200-75503-01	171833-A
Sigma	ZWS 11		171331-A
Signal	NA3 Analyzer		171332-A
Speck Analytical	SA 203, 302		171468-A
Spectra Physics	<i>see also Thermo and LDC</i>		
Spectra Physics	CE 100		171626-A
Spectra Physics	CE 500		171626-A
Spectra Physics	CE 1000		171626-A
Spectra Physics	CE 2000		171626-A
Spectra Physics	3100		171334-A
Spectra Physics	Focus Detector	9551-0202	171626-A
Spectra Physics	LC 871		check
Spectra Physics	Linear 200		171626-A
Spectra Physics	Linear 201		171626-A
Spectra Physics	Linear 203		171626-A
Spectra Physics	Linear 204		171626-A
Spectra Physics	Linear 205		171626-A
Spectra Physics	Linear 206		171626-A
Spectra Physics	Linear 206PH		171626-A
Spectra Physics	SP100		171626-A
Spectra Physics	SP200		171626-A
Spectra Physics	SP770		171336-A
Spectra Physics	SP970		171336-A
Spectra Physics	SP8200	3302-9540	171858-A
Spectra Physics	SP8400	3302-9540	171858-A
Spectra Physics	SP8430	3302-9540	171858-A
Spectra Physics	SP8440	3302-9540	171858-A
Spectra Physics	SP8450	3302-9540	171858-A
Spectra Physics	SP8480		171338-A
Spectra Physics	SP8480XR	2900-0487	171391-A

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Instrument manufacturer	Instrument model	OEM reference	.red catalogue no.
Spectra Physics	SP8490	3302-9540	171858-A
Spectra Physics	SP8773XR	2900-0487	171391-A
Spectra Physics	UV-100		171001-A
Spectra Physics	UV-150		171001-A
Spectra Physics	UV-200		171001-A
Spectra Physics	UV-1000		171001-A
Spectra Physics	UV 2000		171001-A
Spectronic Instruments <i>see Bausch&Lomb</i>			
Spectronic Unicam <i>see Unicam</i>			
Sun Chrom	Spectra Flow 501	200,513	171342-A
Sun Chrom	Spectra Flow 600DAD		171343-A
Suntek Science Instrument: <i>see Scientific Systems Inc.</i>			
Thermawave	Series 3 & 5	29-013586	171344-A
Thermawave	Metrology System 7	29-014965	171345-A
Thermo Separation	Focus 2000HR	9551-0202	check
Thermo Separation	Focus UV3000 HR	9551-0202	check
Thermo Separation	Spectrachrom 100		171333-A
Thermo Separation	Spectrachrom 200		171333-A
Thermo Separation	UV 100		171333-A
Thermo Separation	UV 150		171333-A
Thermo Separation	UV 200		171333-A
Thermo Separation	UV 1000	9551-0023	171333-A
Thermo Separation	UV 2000	9551-0023	171333-A
Thermo Separation	UV 3000	9551-0023	171333-A
Thermo Separation	UV 6000LP	108052	171335-A
Thermo Separation	Spectro Monitor 3200		171337-A
Thermo Separation	Spectrofocus		171339-A
Thermo Spectronic <i>see also Unicam</i>			
Thermo Spectronic	Aquamate		171431-A
Thermo Spectronic	UV 1		171431-A
Thermo Spectronic	UV 2		171431-A
Thermo Spectronic	UV 3		171431-A
Thermo Spectronic	UV 4		171431-A
Thermo Spectronic	UV1-100		171431-A

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Instrument manufacturer	Instrument model	OEM reference	.red catalogue no.
TJA solutions	<i>see Unicam</i>		
Tosoh	6040		171340-A
Tosoh	8010		171341-A
Tosoh	8011		171341-A
Tracor	D970A		171862-A
Turner	330		171350-A
Turner	430		171350-A
Unicam	600UV		check
Unicam	4020	4013-164-45861	check
Unicam	4021	4013-164-39401	171284-A
Unicam	4025	4013-164-45861	check
Unicam	4110	4013-166-66428	171286-A
Unicam	4225		171287-A
Unicam	5600 Series		171288-A
Unicam	8500		171288-A
Unicam	8740		171288-A
Unicam	Crystal 200 series		171289-A
Unicam	Helios II	9423-UV9-002E	180102-A
Unicam	Helios alpha, beta	9423-UV9-002E	180102-A
Unicam	Helios gamma, delta	9423-UV9-002E	180102-A
Unicam	Helios epsilon	9423-UV9-002E	180102-A
Unicam	LC 3		check
Unicam	LC/UV		check
Unicam	SP 6	4013-161-05992	check
Unicam	SP 8	4013-163-75401	171288-A
Unicam	SP 30UV	4013-160-24263	171294-A
Unicam	SP 6350	4013-161-05992	check
Unicam	SP 192 (AAS)	5332-134-80131	check
Unicam	SP 500	4013-160-94202	171296-A
Unicam	SP 600	4013-161-05992	check
Unicam	SP 700	4013-160-24263	171294-A
Unicam	SP 800	4013-160-24263	171294-A
Unicam	SP 1700	4013-160-24263	171294-A

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Instrument manufacturer	Instrument model	OEM reference	.red catalogue no.
Unicam	SP 1750	4013-160-24263	171294-A
Unicam	SP 1800	4013-160-24263	171294-A
Unicam	SP 1960 (AAS)	4013-161-05992	check
Unicam	SP 6400	4013-161-05992	check
Unicam	SP 6550	4013-161-05992	check
Unicam	SP 7500		171867-A
Unicam	SP 8000	4013-160-24263	171294-A
Unicam	SP 8100		171294-A
Unicam	SP 8150	4013-163-75402	171288-A
Unicam	SP 8200	4013-163-75402	171288-A
Unicam	SP 8400	4013-163-75402	171288-A
Unicam	SP 8450		171312-A
Unicam	SP 8600		171288-A
Unicam	SP 8620		171314-A
Unicam	SP 8625		171314-A
Unicam	SP 8700		171312-A
Unicam	SP 8710		171312-A
Unicam	SP 8715		171312-A
Unicam	SP 8720		171312-A
Unicam	SP 8730		171312-A
Unicam	SP 8740		171312-A
Unicam	SP 8745		171312-A
Unicam	SP 8750		171312-A
Unicam	SP 8800	4013-160-24263	check
Unicam	SP 8820	4013-160-24263	check
Unicam	UV 1		180102-A
Unicam	UV 2		180102-A
Unicam	UV 3		180102-A
Unicam	UV 4		180102-A
Unicam	UV 300		180102-A
Unicam	UV 500		180102-A
Unicam	UV 550		180102-A
Varian	AA 275	56-100218-00	171355-A
Varian	AA 300	56-100218-00	171355-A
Varian	AA 400	56-100218-00	171355-A
Varian	AA 475	56-100218-00	171355-A
Varian	AA 775	56-100218-00	171355-A

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Instrument manufacturer	Instrument model	OEM reference	.red catalogue no.
Varian (cont.)	AA 875	56-100218-00	171355-A
Varian	AA 975	56-100218-00	171355-A
Varian	AA 1275	56-100218-00	171355-A
Varian	AA 1475	56-100218-00	171355-A
Varian	AA 3000	56-100218-00	171355-A
Varian	Cary 1	56-100218-00	171355-A
Varian	Cary 50	56-100218-00	171355-A
Varian	Cary 100	56-100218-00	171355-A
Varian	Cary 210	56-180001-00	171364-A
Varian	Cary 219 late	56-180001-00	171364-A
Varian	Cary 300		171365-A
Varian	Cary 400		171365-A
Varian	Cary 500		171365-A
Varian	Cary 2200		171364-A
Varian	Cary 2300		171364-A
Varian	Cary 4000		check
Varian	Cary 5000		check
Varian	Cary 6000		check
Varian	Prostar 310	039-161-5691	171367-A
Varian	Prostar 340		171368-A
Varian	Prostar 345		171368-A
Varian	Spectra AA 10		171355-A
Varian	Spectra AA 20		171355-A
Varian	Spectra AA 30		171355-A
Varian	Spectra AA 40		171355-A
Varian	SpectraAA 220 FS		171355-A
Varian	Spectra AA 880		171355-A
Varian	UV 10		171366-A
Varian	UV 50	039-161-5691	171367-A
Varian	UV 100	039-161-5691	171367-A
Varian	UV 200	039-161-5691	171367-A
Varian	UV 634	56-100132-00	171374-A
Varian	UV 635	56-100132-00	171374-A
Varian	UV Superscan	56-100218-00	171355-A
Varian	Varichrom	00-951305-00	check
Varian	Vista 5000	039-161-5691	171367-A
Varian	Vista 5500	039-161-5691	171367-A
Varian	75 Series (AAS)	56-100218-00	171355-A
Varian	2050	03-915303-99	171368-A
Varian	2550		171369-A
Varian	9050	039-161-5691	171367-A

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Instrument manufacturer	Instrument model	OEM reference	.red catalogue no.
Waters	480LC	WAT 099499	171378-A
Waters	481	WAT 099499	171378-A
Waters	481 LC	WAT 099499	171378-A
Waters	484	WAT 080357	171445-A
Waters	486	WAT 080678	171446-A
Waters	486	WAT 080678	171447-A
Waters	990	WAT 021516	171877-A
Waters	991	WAT 021516	171877-A
Waters	994 PDA	WAT 021516	171877-A
Waters	996 PDA	WAT 052586	171452-A
Waters	2487 dual wavelength	WAT 081142	180103-A
Waters	2487	WAT 081142	171447-A
Waters	2488 dual wavelength	WAT 081142	180103-A
Waters	2996 PDA	WAT 052586	171452-A
Waters	2966	WAT 052586	171447-A
Waters	Lambda max	WAT 099499	171378-A
Waters	LC-Module 1		171379-A
Zeiss (Jena)	<i>see AnalytikJena</i>		
Zeiss (Oberkochen)	CLD 300		171382-A
Zeiss	PM 2		171880-A
Zeiss	PM 4		171880-A
Zeiss	PM 6		171880-A
Zeiss	PMQ II		171880-A
Zeiss	PMQ III		171880-A

Note: This list details our latest information on applications for our lamps. Whilst we are confident that the applications shown are correct We accept no responsibility for any errors or incorrect information shown.