



LASER S.O.S. GROUP

TECHNOLOGY AND MARKET DRIVEN COMPANY!

LASER LAMPS & I.P.L. LIGHT SOURCES

Issue 3.



Intelligent Solutions, Manufacturing & Development

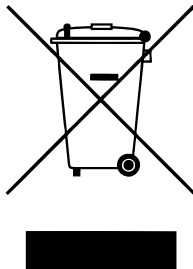
RoHS and WEEE conformity statements

As a company, Laser SOS actively embraces its legal and environmental obligations outlined by the WEEE and RoHS directives. We see these regulations as a positive and responsible change to protect the environment.



RoHS

All products that are subject to the European Community directive 2002/95/EC supplied by Laser SOS from 1st July 2006 are compliant with the requirements. Such products are marked with the RoHS symbol (adjacent).



WEEE

All products that are subject to the WEEE Directive 2002/96/EC supplied by Laser SOS from 13th August 2005 are compliant with the WEEE marking requirements. Such products are marked with the “crossed out wheeie bin” WEEE symbol shown on the left in accordance with European Standard EN 50419. Our WEEE Producer registration number is WEE/EF0248QZ.

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For Lamp Pumped Laser Systems

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LASER LAMPS & I.P.L. LIGHT SOURCES

For Lamp Pumped Laser Systems



Laser S.O.S. provides the solid state laser industry with the largest range of Laser lamps and I.P.L. light sources available.

In many cases there are a several laser lamps available for any given Laser or I.P.L. system. Where possible Laser S.O.S. will provide the lamp from the lamp manufacturer of your choice.

Laser lamps and I.P.L. light sources are continuously being improved, so we at Laser S.O.S. will at all times provide the lamp best suited for your system.

There are thousands of laser lamps that Laser S.O.S. can readily provide subject to their availability for distribution. Our extensive cross-reference list should identify the compatible lamp for your system.

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LASER LAMPS & I.P.L. LIGHT SOURCES

For Lamp Pumped Laser Systems

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Number	Item Part Number	Laser Rail
AB LASER INC.		
1	LL512AS	Baasel 600, 80750-005, 131100029, 209-08890 (20 A, 145-155 V)
2	LL601S	Baasel 601, 80750-006, 131100030, 202-08330
3	LL166	Baasel 2001, 6000, StarMark SM65, 80750-009, 131100032, 131100054, 209-08891
4	LL209	Baasel 2001, 6000, StarMark SM90, 80750-008, 131100031, 202-0831
5	LL700	Baasel StarMark SM150, 80750-029, 131100046, 209-10481
6	LLXF889	Baasel StarCut 18, 4001, BLS27, BLS701, BLS710, BLS720, 80750-026, 131100043, 80750-012
7	LL9600	Baasel StarWeld Performance, 80750-013, 131100035
8	LL9615	Baasel StarWeld, 80750-027, 131100044
9	LL2412	Baasel StarWeld Tool 100W, 80750-043, 131100052, 80750-032
10	LLJK37	Baasel StarWeld 150W, BLS730, 80750-010
11	LL9674	Baasel StarWeld 250W, 80750-028, 131100132
12	LL1122	Baasel StarWeld 500W, Xenon
13	LLJK703	Baasel StarWeld 500W, Krypton/Xenon, 80750-031, 1131100048
14	LL601LL	Baasel 601, 80750-006, 131100030 (Long Life)
15	LLX924	Baasel Superb XL Er:YAG
16	LL800	Baasel EpiXan Alexandrite, BLM1000AX
17	LL512BS	Baasel LVI 600, 80750-015 (20 A, 155-165 V)
ACTIVE BEAUTY		
1	LL169	Active Beauty Softlight
ACULIGHT		
1	LL8586	Aculight
ADRON		
1	LLQJK96	Adron AYS450
ADVANCED LASER		
1	LL4462S	Lee Laser Model 712
AESCULAP		
1	LL776	Aesculap Laser Model Vision
2	LLX83	Aesculap – Meditec MCL 29 – Dermablate Er-YAG
3	LL1610	Aesculap MCL-30

Number	Item Part Number	Laser Rail
ALCON LASER		
1	LL354	Alcon Surgical model 532 (354-U-031883)
ALLIED/APOLLO		
1	LL6063	Allied Laser 1610, Krypton, YAG
2	LL4678	Allied Laser 1610, Xenon, ALEXANDRITE
ALLTEC		
1	LL5112	Alltec LN30W
2	LL5113	Alltec LN100W
ALMA		
1	LL490	Alma I.P.L. Harmony
2	LL130	Alma I.P.L. (Flying Lead Connectors) Harmony
3	LL129	Alma Harmony, YAG/IPL
4	LL579	Alma I.P.L.
ALPHA LASER		
1	LLJK237	Alpha Laser ALS35 (Old Model), ALS25
2	LLJK574	Siro Laser ALC35, ALO35, ALS35, (New Model), 501-0511A
3	LLK394	Siro Laser ALS35S, SL50, SL75, AL75, AL100, ALV100, ALW100, ALM150
4	LLAL200	Alphalaser AL200, 660M130229, 501-0517A
AMADA		
1	LL2680	Amada Pulsed System
APPLIED PHOTOPHYSICS		
1	LLXA108	Applied Laser LR10
2	LLXA109	Applied Laser LR16
APOLLO CHINA		
1	LL552	Apollo I.P.L.
ARCOTRONICS		
1	LLXF3	B.O.C. Laser Model 203
ARGES		
1	LL1260	Arges
2	LL4502	Arges F450-2

Number	Item Part Number	Laser Rail
AUREL		
1	LL512AS	Aurel NAVS2
BAASEL LASERTECHNIK (ROFIN GROUP)		
1	LL512AS	Baasel 600, 80750-005, 131100029 (20 A, 145-155 V)
2	LL601S	Baasel 601, 80750-006, 131100030, 202-08330
3	LL166	Baasel 2001, 6000, StarMark SM65, 80750-009, 131100032, 131100054, 80750-045, 202-08891
4	LL209	Baasel 2001, 6000, StarMark SM90, 80750-008, 131100031
5	LL700	Baasel StarMark SM150, 80750-029, 131100046
6	LLXF889	Baasel StarCut 18, 4001, BLS27, BLS701, BLS710, BLS720, 80750-026, 131100043, 80750-012
7	LL9600	Baasel StarWeld Performance, 80750-013, 131100035
8	LL9615	Baasel StarWeld Performance, 80750-027, 131100044
9	LL2412	Baasel StarWeld Tool 100W, 80750-043, 131100052, 80750-043
10	LLJK37	Baasel StarWeld 150W, BLS730, 80750-010
11	LL9674	Baasel StarWeld 250W, 80750-028, 131100045
12	LL1122	Baasel StarWeld 500W, Xenon
13	LLJK703	Baasel StarWeld 500W, Krypton/Xenon, 80750-031, 131100048
14	LL601LL (Long Life)	Baasel 601, 80750-006, 131100030, 202-08330
15	LLX924	Baasel Superb XL Er YAG
16	LL800	Baasel Laser Epixan Alexandrite, BLM1000AX
17	LL9601	Baasel 710.799, 710.824, 1000P
18	LL512BS	Baasel LVI 600, 80750-015 (20 A, 155-165 V)
BAUBLYS CONTROL LASER		
1	LL1313	Baublys PCBL4-3, BL150 150W
2	LLS27	Baublys BL65, 65 W
3	LL5129	Baublys BI00, 100 W
BEKO		
1	LL1448	Beko WL-40 Laserstar, Xenon
BENTZY LASER SERVICES		
1	LL749	Bentzy Multitasking Diamond processing system

Number	Item Part Number	Laser Rail
BIG SKY		
1	LL8142	Big Sky Part number 03665515
BIOPHARM		
1	LL26	Biopharm Dealight I.PL.
BIOS		
1	LLI500	BIOS I.PL. Dual Mode
2	LLI376	BIOS I.PL. YAG Manipolo
3	LLXF1503	BIOS A.PL.
4	LLX920	BIOS Er:YAG
BLUESHINE		
1	LLI500	Blueshine I.PL.
2	LLX920	Blueshine LDP-920, YAG Shine
3	LLI551	Blueshine Alexshine
BMI		
1	LLI788	BMI Laser Model LK741 501 I
2	LLI64	BMI Lamp Part Number LK535
BOC		
1	LL201	BOC Laser 201
2	LL561	BOC Laser 101, 102
3	LLXF3	BOC Laser 203
CANDELA LASER		
1	LL5233	Candela lamp part number 05-CAN-12-5
2	LL4665	Candela lamp part number 05-CAN-24-5
3	LL5501	Candela lamp part number 05-CAN-24-7
4	LL8511	Candela laser model Gentlelase 9908-02-0408
CERRI		
1	LL2949	Cerri Lighthave Advance I.PL.
CHEVAL LASERS		
1	LLK329	Cheval 400W laser, 24600L
2	LLJK310	Cheval M-L 005

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For Lamp Pumped Laser Systems

Number	Item Part Number	Laser Rail
CHICAGO LASER		
1	LL510S	Chicago Laser CLS510
2	LL512AS	Chicago Laser CLS512, CLS37S
3	LL4522S	Chicago Laser CLS 520
4	LL708S	Chicago Laser CLS37W, CLS39, CLS977, CLS 907, CLS960, Lee Laser 708
5	LL4462S	Chicago Laser CLS37W, CLS39, CLS977, CLS907, CLS960, Lee Laser 708
CHROMATIX		
1	LLXF4	Chromatix Laser CMX4
CHROMATRON		
1	LL747CH	Chromatron Laser Model Induwrite
2	LL767CH	Chromatron Laser Model Induwrite 2
CHROMOGENIX / EU PHOTONICS		
1	LL703I	Chromogenix N-Lite I.P.L.
2	LL900	Chromatron P19-0001A, Chromolite
CHUTIAN		
1	LL2840	Chutian CTL 4X100KFC
2	LL2770	Chutian CTL 5X125KFC
3	LL2780	Chutian CTL 6X100KFC
4	LL2790	Chutian CTL 6X140KFC
CLARK-MXR		
1	LL520B	Clark Laser Model ORC-1000
CLEAN LASER		
1	LL166	Clean Laser Model CWQ2015
2	LL209	Clean Laser Model CWQ2040
3	LL2045	Clean laser Model CWQ2045
COHERENT / COHERENT MEDICAL		
1	LL7668	Coherent Omega 34, Krypton
2	LL6054	Coherent Omega 34, Xenon
3	LL7104	Coherent 7900

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Number	Item Part Number	Laser Rail
4	LL4533	Coherent Antares
5	LL4669	Coherent Everpulse I I & I4, Hufmann Ind. 0513-002-01
6	LLM14	Coherent M14
7	LLFDB	Coherent Model 60
8	LL8588	Coherent Infinity
9	LL7734	Coherent Versapulse Medical, 0619-450-01, Ultrafine Er:YAG
10	LL8114	Coherent Medical
11	LL7903	Coherent Medical
12	LLQCW324	Coherent Merlin

CONTINUUM

1	LL5260	Continuum 203-0007
2	LL5960	Continuum FL408, 203-0022
3	LL5961	Continuum YG481, FL410, 203-0023
4	LL5962	Continuum FL406-04, 203-0001
5	LL6064	Continuum FL-312 Ruby, 203-0026
6	LL7045	Continuum Minilite I, Minilite II, 1998 onwards, 203-0039
7	LL7047	Continuum 203-0041, MiniLite I, Minilite II
8	LL8007	Continuum PC700-10, TO3-008
9	LL6213	Continuum FL611-09, PY61C-10 (Amplifier), PY61C-20, 203-0018
10	LL6358	Continuum FL-315-09, 203-0009
11	LL6379	Continuum 203-0027
12	LL6497	Continuum FL310G, 203-0011
13	LL6802	Continuum SFL312R
14	LL7383	Continuum FL-312-Glass, 203-0024
15	LL7716	Continuum Surelite II, Powerlite 7010, 7020, 7030, 8010 (oscillator), 203-0035
16	LL7886	Continuum Powerlite 9000 Series Amplifier, Medilite Amplifier, 203-0036
17	LL8044	Continuum FL611-07, YG571C, YG580, 203-0012
18	LL8045	Continuum FL611-06, YG660, YG682, Powerlite 6000, 7000, 8000 and 9000 series (oscillator), Powerlite plus, Surelite I, Medilite, PY61C-10 203-0019
19	LL8046	Continuum FL506-04, PY61-10, 203-0017
20	LL8047	Continuum Surelight III, Powerlite 8000 series Amplifier, powerlite 9050 Amplifier, Powerlite plus Amplifier, Medilite IV 203-0032
21	LL7039	Continuum Minilite 10, 20, early models, 203-0037
22	LL8595	Continuum model 203-9001

CONTROL LASER

1	LL510S	Control Laser 255, 256, 510, 511
2	LL512AS	Control Laser 512, 513, Instamark, Script (20 A, 145-155 V)
3	LL512BS	Control Laser Instamark, Script, Emblem (20 A, 155-165 V)
4	LL520S	Control Laser 258, 520, H-518, 620
5	LL4522S	Control Laser 520, Extended arc length
6	LL532S	Control Laser 531, 532, 534, 536, 630
7	LL612S	Control Laser 612, Elite, Signature, Emblem

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LASER LAMPS & I.P.L. LIGHT SOURCES

For Lamp Pumped Laser Systems

Number	Item Part Number	Laser Rail
8	LL5461	Control Laser 612, Special Voltage 150 –170V lamp
9	LL400S	Control Laser 400, 428, 438, 440–8, 480–16, Huffman, XMR, (Arc Length 101 mm)
10	LL987	Control laser 612, Special 30A 131–138 Volts
11	LL400L	Control Laser 400, 428, 438, 440–8, 480–16; Huffman, XMR, (Arc Length 117 mm)
12	LL6645	Control Laser 512 PLUS, Signature 100, Script 100
13	LL5116	Control Laser, Insignia, Icon
14	LL264	Control Laser, 258, 520, 620, High stability (30A 117–127V)
15	LL5143	Control Laser, Insignia, Icon, High Stability (15A 165–175V)
CONVERGENT ENERGY		
1	LL1873	Convergent Energy Aurora P–10
2	LL1525	Convergent Energy Aurora P–50
COOPER LASERONICS / MOLECTRON		
1	LL536	Cooper 8000, 8900, 2500
2	LL534	Cooper 4000, 6000
3	LL3409	Cooper MY32
4	LL3410	Cooper MY34, MY35
CRAFFORD PRECISION PRODUCTS		
1	LL8624	CPP Laserstar, 405–2460–405
2	LL8623	CPP Laserstar Hi Performance 405–2460–406
CVI LASER		
1	LLEJG	CVI YAG MAX C95
2	LL502	CVI YAG MAX 210
3	LL4461	CVI YAG MAX 212
CYNOSURE		
1	LL9856	Cynosure, LPIR, LCY–7043
2	LL1158	Cynosure, Photogenica dye lamp
3	LL1612	Cynosure, Photogenica T10 Alexandrite lamp
4	LL499	Cynosure Elite Modular, Apogee
5	LL6341	Cynosure LFDL–3, 990–6000–605
DARK SUN		
1	LL1380	Dark Sun, Smartpulse

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Number	Item Part Number	Laser Rail
DDD		
1	LL1062	DDD Ellipse
DEK		
1	LLS26	DEK Laser Trimmer, Spectron SL501Q, SL501TQ
DORNIER		
1	LLQCW187	Dornier B 3003687
EKSMA/EKSPLA		
1	LL7077	Eksma Laser Model PL 2143A, PL 2143B, 45 mm arc length lamp
2	LL7074	Eksma Laser Model PL 2143A, PL 2143B, 58 mm arc length lamp
3	LL7054	Eksma Laser Model PL 2143A, PL 2143B, 75 mm arc length lamp
ELECTRONICA VALSERIANA		
1	LLK509	Electronica Valseriana Softlight, 5000, 6000, EVL35FW, 022500038
2	LL5008	Electronica Valseriana CW Lamp
ELECTROX		
1	LL908	Electrox Raymarker I, 262-000-010
2	LL786	Electrox Scriba I and II, 85W with end plugs New model
3	LL484	Electrox Scriba I and II, 120W (upgrade)
ENERGIS		
1	LL1062	Energis Elite and Ultra I.PL.
E.S.I.		
2	LL510S	E.S.I. 25, 44
3	LL512AS	E.S.I. 44
4	LL570S	E.S.I. 44, 80, 4000A, 4200, 3570, 3572, 5100, 5150
5	LL520S	E.S.I. 44
6	LL65	E.S.I. Japan
EQUINOX		
1	LL1062	Equinox, Light Touch IPL
ESTELUX		
1	LL1062	Estelux IPL, LUX Y

Number	Item Part Number	Laser Rail
EU PHOTONICS / CHROMOGENIX		
1	LL7031	Eu Photonics, N-Lite
2	LL900	Eu Photonics, Chromogenix I.P.L.
EXCEL PHOTONICS		
1	LL1062	Excel Photonix IPL
2	LL7031	Excel Photonix Pulsar
FANUC		
1	LL272	Fanuc 500W CW Laser
2	LLYP500B	Fanuc YP500 Laser, 500W Pulsed laser, A49L-0001-0064
FERAM ASTHETIK		
1	LL442	Feram Asthetik FairLady I.P.L.
FERRANTI		
1	LLXF35	Ferranti Die Driller 611, 651
FLOROD		
1	LL512AS	Florod 40, 41, 42, 70, Control Laser 512
2	LL4462S	Florod MEL 40
FOBA		
1	LL5112	Fobalas 84S, 30 Watt
2	LL5113	Fobalas 90 MK-DT, 94S, 100 Watt
3	LL258	Fobalas 114S, 200 Watt
FOTONA		
1	LLS27	Fotona YAG-22
2	LL1852 (Long Life)	Fotona YAG-22
3	LL2007	Fotona WL-40 Spotlight, Krypton
4	LL1448	Fotona WL-40, Laserstar, Xenon
5	LL7060	Fotona Fidelis, 1 Joule Er:YAG
6	LL2284	Fotona Fidelis M002A
7	LLXF1141	Fotona Fidelis M320A

Number	Item Part Number	Laser Rail
FOX LASERS		
1	LL114LLS	Fox 7400, Quantronix 114 (600 hrs)
FUJI		
1	LL5025	Fuji 100 W Laser Marker
2	LL365	Fuji 50 W Laser Marker
GENERAL PROJECT		
1	LLGPFLASH	General Project, GP Flash I
GENERAL SCANNING		
1	LL9300	General Scanning Hi-Mark 400, 800, 2000, 6000 (600 hrs)
2	LL8090LL (Long Life)	General Scanning Hi-Mark 400, 800, 2000, 6000 (800 hrs)
3	LL93	General Scanning Hi-Mark 400, 800, 2000, 6000 (400 hrs)
GREENTON		
1	LL1062	Greenton IPL
GRETAG		
1	LLS27	Gretag 6210, 6211
2	LL1852 (Long Life)	Gretag 6210, 6211
GSI LUMONICS		
1	LLJK1	JK MS800, MS330, MS820, MS830LD, 12280090A
2	LLJK26	JK 700, 701, 702, 706, 12280180A, P55B6770B
3	LLXF69	JK 704, 12280200A, P55F3830B
4	LLQXF54	JK 2000, HY750, MS25, HY200, HY450, 12280070A
5	LLXF63	JK MS20, MS35, YM-800 12280020A
6	LLXF65	JK 2000, HL52, GSG1/6, Derma Ruby Laser, 12280030A
7	LLXF2	JK MS10, 12280050A
8	LLJK23	JK MS300, 12280060A
9	LL5913	JK MS810, 12280100A
10	LL259	Lumonics Multiwave, AM356, P55V4830B
11	LLX634	Lumonics Luxstar LXTR30, P61Y6980X, 30 W laser
12	LLJK214	Lumonics ScreenCut P55Y4051B
13	LL1010	Lumonics ScreenCut 4000, 5000, 8000, F410-4
14	LL116LL	Lumonics Lightwriter (400 hrs)
15	LL116LLS	Lumonics Lightwriter 217.020.00 (600 hrs)
16	LL9300	Lumonics Hi-Mark 400, 800, 2000, 6000 (600 hrs)
17	LL8090LL (Long Life)	Lumonics Hi-Mark 400, 800, 2000, 6000 (800 hrs)
19	LLJK708	JK701

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TECHNOLOGY AND MARKET DRIVEN COMPANY!

LASER LAMPS & I.P.L. LIGHT SOURCES

For Lamp Pumped Laser Systems

Number	Item Part Number	Laser Rail
20	LLJK708	JK701, Low rep rate high peak power
21	LL93	Lumonics Hi-Mark 400, 800, 2000, 6000 (400 hrs)
GTE		
1	LLEJG	GTE606
HAAS LASER		
1	LLS27	Haas VectorMark
2	LL1852 (Long Life)	Haas VectorMark
3	LL2000	Haas HL353D, HL506D, HL703D, HL1003D, HL1006D, HL1504D, HL2006D, HL3006D, HL4006D, 759082, 01-04-23-00 (Standard Version)
4	LL260	Haas HL124P, HL42P, HL204P, 01-04-22-00, 760512
5	LL506	Haas HL506P, 01-04-27-00, 773787
6	LL304	Haas HL304P
7	LL432	Haas, 01-04-07-00, 750066
8	LL433	Haas, 01-04-09-00, 750068
These Laser SOS lamps are not made by HAAS but are compatible with their lasers.		
HAHN & KOLB		
1	LLS27	Hahn & Kolb Enigma
2	LL1852 (Long Life)	Hahn & Kolb Enigma
HANS LASER CHINA		
1	LL347	Hans Laser, 1.4 kW, 10Amps
HERAEUS LASERSONICS		
1	LL536	Heraeus 8000, 8900, 2500
2	LL534	Heraeus 4000, 6000, LUXUS100
3	LL3409	Heraeus MY32
4	LL3410	Heraeus MY34, MY35
5	LL5045	Heraeus Lasersonics Hercules 5060
6	LL5087	Heraeus Lasersonics Hercules 5100, 5000-100
7	LL5022	Heraeus Lasersonics Hercules 5040
HK TECHNOLOGIES		
1	LLS27	Hahn & Kolb Enigma
2	LL1852 (Long Life)	Hahn & Kolb Enigma

Number	Item Part Number	Laser Rail
HOBART		
1	LL604	Hobart Model 3750-0007-00
HOLOBEAM		
1	LL510S	Holobeam 255, 256
2	LL520S	Holobeam 257, 258
3	LL532S	Holobeam 2660
HONG LUNG		
1	LL512BS	Control 512
HUFMANN INDUSTRIES		
1	LL4669	Hufmann Ind. 0513-002-01
HOYA		
1	LL4517	Hoya lamp part number 3.5 X AMG, L/2.11/G
2	LL7045	Hoya laser model HCL-2100
3	LL7047	Hoya laser model HCL-2100F
4	LL8047	Hoya Conbio Medilite
HYSOL		
1	LLQCWI35	Hysol HMI100, 100 watt
2	LL5048	Hysol HMI100, HDU6520
ILM		
1	LL908	ILM/Electrox Raymarker I
IMPAQ		
1	LL166	Impaq laser model CWQ2025
2	LL209	Impaq laser model CWQ2040
3	LL2045	Impaq laser model CWQ2045
INLASER		
1	LLJK386	InLaser LWD4 9 LWD4V
INNOLAS		
1	LLS27	Innolas Model 1000, 2000, Enigma
2	LL1852 (Long Life)	Innolas Model 1000, 2000, Enigma
3	LL9155	Innolas 701, 702

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TECHNOLOGY AND MARKET DRIVEN COMPANY!

LASER LAMPS & I.P.L. LIGHT SOURCES

For Lamp Pumped Laser Systems

Number	Item Part Number	Laser Rail
ISKRA		
1	LLS27	Iskra YAG-22
2	LL1852 (Long Life)	Iskra YAG-22
3	LL4190	Iskra Models UPLAS 502, YAG 20, YAG 21, QT/E8WR
JEC		
1	LL510S	JEC 1020, 1028
2	LL512AS	JEC 1024
JK LASER		
1	LLJK1	JK MS800, MS330, MS820, MS830LD, 12280090A
2	LLJK26	JK 700, 701, 702, 706, 12280180A, P55B6770B
3	LLXF69	JK 704, 12280200A, P55F3830B
4	LLQXF54	JK 2000, HY750, MS25, HY200, HY450, 12280070A
5	LLXF63	JK MS20, MS35, YM-800 12280020A
6	LLXF65	JK 2000, HL52, GSG1/6, Derma Ruby Laser, 12280030A
7	LLXF2	JK MS10, 12280050A
8	LLJK23	JK MS300, 12280060A
9	LL5913	JK MS810, 12280100A
KMS FUSION		
1	LL3457	KMS-Fusion Pulsed Laser, Krypton
KOMATSU		
1	LLQCW108	Komatsu Q120W, PHI5L-I
2	LL517	Komatsu Q150W
KORAD		
1	LLKY3	Korad KY3
2	LLKY5	Korad KY5
LASAG		
1	LL1767	Lasag KLS246-040FC, 64-0153
2	LL5006	Lasag LAK101, KLS11, LAK100, KLS016, Topaz, 64-0156, 64-0302
3	LL6638	Lasag LAK101, KLS111, LAK100, KLS016, 64-0158, 64-0371
4	LL4605	Lasag LAK101, KLS11, LAK100, KLS016, 64-0114, 64-0116

Intelligent Solutions, Manufacturing & Development

Number	Item Part Number	Laser Rail
5	LL5007	Lasag LAK301-302, KLS321-322, LAK400-401, 64-0157, 64-0324, Krypton
6	LL5009	Lasag LAK301-302, KLS321-322, LAK400-401, 64-0159, 64-0372, Xenon
7	LL6073	Lasag LAK601, LAK501-502, KLS521-522, 64-0309
8	LL1807	Lasag LAK601, LAK501-502, KLS521-522, KLS 24E, LAK542-300, 64-0551
9	LL5010	Lasag LAK101-102, KLS111-112, KLS126, 64-0154, 64-0323
10	LL1798	Lasag LAK101, KLS111, LAK100, KLS016, Topaz, 64-0579
11	LL9405	Lasag, 64-0552
12	LL1927	Lasag, 64.0553
13	LL1800	Lasag Slab FM 015, 64.0649

LASER APPLICATIONS – FRANCE

1	LL6461	Lasar Applications Model LAP988 (Upgrade)
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LASER APPLICATION / LASERMETRICS

1	LL4491S	Lasar Application 9560, 28 Amp
2	LL550S	Lasar Application 9560, 9555, 40 Amp
3	LL5845	Lasar Application 95100
4	LL8205	Lasar Application 95150
5	LL400L	Lasar Applications 94100 (Arc Length 117 mm)
6	LL400S	Lasar Applications 94100 (Arc Length 101 mm)

LASER ASSOCIATES

1	LL560	Lasar Associates 254B
2	LLX11	Lasar Associates 252C
3	LLSPACERAY	Lasar Associates 211A Ruby Laser

L.B.T.

1	LL341	L.B.T Model MYLS60
2	LLQCW419	L.B.T Model MYLS100

LASER DESIGN

1	LLQCW189	Lasar Design PE.I. SLEEVES
2	LLQCW189Q	Lasar Design, Ceramic Sleeves

LASER IDENTIFICATION SYSTEMS

1	LL116LL	LIS Wafer Mark 345, II (400 hrs)
2	LL116LLS	LIS Wafer Mark 345, II (600 hrs)
3	LL114LLS	LIS Wafer Mark I (600 hrs)

LASER INDUSTRIES – USA

1	LLSPACERAY	Lasar Industries Spaceray
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TECHNOLOGY AND MARKET DRIVEN COMPANY!

LASER LAMPS & I.P.L. LIGHT SOURCES

For Lamp Pumped Laser Systems

Number	Item Part Number	Laser Rail
LASER INDUSTRIES		
1	LL95	Toshiba LAY618, 652, Sharplan 2100, 3000
LASER INNOVATIONS		
1	LLQCW336	Laser Innovations Emerald
LASER ITALIA		
1	LL9650	Laservall Compac
LASER OPTRONICS		
1	LL747	Laser Optronic 747, 757
2	LL767	Laser Optronic 767
3	LL804	Laser Optronic 777
LASERSCOPE		
1	LL520BC	Laserscope 804, 102, LSY, BL3, CL20YAG, Aura
2	LL241	Laserscope KTP/YAG 800
3	LL8280	Laserscope Lyra, Ho:YAG, Lamp part number 0124-0350
4	LL321	Laserscope lamp part number 0113-2260
5	LL520S	Laserscope infinity
6	LL5001	Laserscope Erbium Venus
LASIT		
1	LL218S	Lasit Fleximark, Easymark 80 Watt, Easymark 2000
2	LLQCW336	Lasit Fleximark, Easymark 120 Watt
3	LL784	Lasit Easymark 2000
LASITRON		
1	LLQCW189	Lasitron ML136, 100W
2	LLQCW39	Lasitron ML120, 60W
LASERVALL		
1	LL479	Laservall Vall mark 7, 8, 10, 11
2	LLK372	Laservall JL15
3	LLPL50	Laservall PL50, PL75, PL100, JL30, JL50, Cyberwelder
4	LL295	Laservall IPL unit

Number	Item Part Number	Laser Rail
LEE LASER		
1	LL708S	Lee Laser 708, 808, 750, LKA3020
2	LL4462S	Lee Laser 708, 712, 808, 812, LKA3330
3	LL9300	Lee Laser 715, 718, 818, 815, 825, LKA4030 (600 hrs)
4	LL93	Lee Laser 715, 718, 818, 815, 825, LKA4030 (400 hrs)
5	LL5206	Lee Laser 8250M/750 A,, LKA5340
6	LL1689	Lee Laser LKF-650, 650/CD
7	LL649	Lee Laser 703, 725, LKA2020
8	LL5028	Lee Laser Diamond processing lasers
LIGHTAGE		
1	LL6790	Lightage Alexandrite laser
LITRON LASER		
1	LLI230	Litron Pulsed System 5 × 51 XFP
2	LLI240	Litron Pulsed System 5 × 57 XFP
3	LL8600	Litron Pulsed System 5 × 52 XFP
LPKF		
1	LLXF889	Baasel Laser Starcut 18, SC18, 4001, BLS27
2	LL2007	LPKF Stencil Cutting Laser SL25, SL600, SL740
LS LASER SYSTEMS		
1	LL767	MLS 035
2	LL7544	MLS 500 watt slab Model FBS500
3	LLQCW360	MLS 100 watt
4	LL9651	MLS KB50
5	LL6775	MLS 300 watt slab laser model FBS300
LUMENIS		
1	LLX737	Lumenis Derma K
2	LL8587	Epi-Light Hair Removal Laser, Photoderm
3	LL95	Toshiba LAY618, 652, Sharplan 2100, 3000
4	LL7112	Sharplan 5100 Epitouch, High power
5	LL2028	Sharplan 5100 Alexandrite laser, Epitouch, New version
6	LLXF390	Sharplan 2000 Ruby
7	LL1311	Sharplan 5000 Ruby
8	LL9860	Lumenis D-Light
9	LLXF884	Lumenis YAG Vasculight, Elite
10	LL7724	Lumenis Epitouch 5100 Long Pulse
11	LL8586	Sharplan Epilight, Acculight

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LASER LAMPS & I.P.L. LIGHT SOURCES

For Lamp Pumped Laser Systems

Number	Item Part Number	Laser Rail
LUTRONIC		
1	LLXF1481	Lutronic Q-Switched YAG Laser
LUXSANO		
1	LL7082	MLS 035
2	LL7544	MLS 500 watt slab Model FBS500
3	LLQCW360	MLS 100 watt
LYNTON MEDICAL		
1	LL206	Lynton Luminette
2	LL1522	Lynton Lumina
MARCRIST		
1	LL5138	Marcris Marking Laser
MBB MEDILAS		
1	LL747	Medilas 1 & 2
2	LL51	Medilas 4060-40
3	LLQCW146	Medilas 100N
4	LLQCW187	Medilas 4060 Fiberton
MBC NORSK		
1	LL7082	MBC Plasmalite 20 mm Arc
2	LL7083	MBC Plasmalite 18 mm Arc
3	LL7084	MBC Plasmalite 16 mm Arc
MEDICAL BIOCARE		
1	LL7082	MBC Plasmalite 20 mm Arc
2	LL7083	MBC Plasmalite 18 mm Arc
3	LL7084	MBC Plasmalite 16 mm Arc
MEDICOM		
1	LL1776	Medicom LS-100

Intelligent Solutions, Manufacturing & Development

Number	Item Part Number	Laser Rail
MEDIC SHARP LIGHT/ M.S.L.		
1	LLI505	M.S.L. Bmax I.P.L.
MED-OP		
1	LL404	Med-OP Dermoflashc
MICRO-CONTROLE - FRANCE		
1	LLI64	Micro-Controle FLI 705C, Maria III
MICRON		
1	LLQCW39	Lasitron 120
MIYACHI		
1	LL6755	Miyachi ML2330, ML2100A, ML2200A, ML2331B, ML2332B, ML2333A, MLD-0603
2	LL9771	Miyachi ML2350A, ML2351A, A-02914, MLD0603 with clips
3	LL7353	Miyachi MLI330D
4	LL6847	Miyachi ML2600B, ML2500A, ML2360A
5	LL910	Miyachi ML4141A, ML4141B, MLD0406
6	LL8516	Miyachi LW10/15, ML2030A, ML2030B, ML2130A, ML2050A, ML2150A, ML2051A, ML2052A, 13813, MLD-0608, MLD0902, MLD-061
7	LL8613	Miyachi MLD-0861, ML2450A
8	LLXF1093	Miyachi MLD-0602, ML2530A, 2531A, 2650B, 2651B, 2650A, 2651A, 2551A, 2552A, 2550A
M.L.S.		
1	LL767	MLS 035, MLS 7032
2	LL7544	MLS 500 watt slab laser model FBS500
3	LLQCW360	MLS 100 watt
5	LL9651	MLS KB50
6	LL6775	MLS 300 watt slab laser model FBS300
N.E.C.		
1	LL545	NEC SLI14A, 114F, 114G, SL475H, SL5 & 5ZA, P2002D (PEI Sleeve)
2	LL547	NEC SLI150G, 1150H, 1150J, 1150K, 116A, 116B, SL475E, SL436G, P2008E
3	LL546	NEC SLI15A, YL452
4	LL7003	NEC SLI17-2C, 3C, 4C
5	LLQXF337	NEC SL476A2, P2015A
6	LL5416	NEC P2013
7	LL3171	NEC YL451, P2007
8	LLQXF345	NEC SLI24E, YL478IS, M801B,C, M802C, P2014, P2019

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LASER LAMPS & I.P.L. LIGHT SOURCES

For Lamp Pumped Laser Systems

Number	Item Part Number	Laser Rail
9	LL292	NEC P2021
10	LL545P	NEC SL114A, 114F, 114G, SL475H, SL5&5ZA, P200D (Ceramic Sleeve)
NEW WAVE RESEARCH		
1	LL6811	Medilite I
2	LL7039	Solo III
3	LL7886	Solo PIV 0002-0036, Tempest, Gemini
NIDEX		
1	LLGYC1500	Nidex laser model GYC1500
NIHON LASER SYSTEMS		
1	LLQJ302	Nihon RC150YWF, LY-300
N.W.L.		
1	LL1311	NWL Meltemi, LSY BL8
2	LLXF390	NWL Levante, Meltemi, LSY BL2
3	LLS27	NWL Dali, Maestro, Mistral
4	LL1852 (Long Life)	NWL Dali, Maestro, Mistral
OBARA LASER		
1	LL1398	Obara laser YPR-005062, 50 W
O.R. LASER		
1	LL9654	Solar 50 Watt
2	LL9656	Solor 100 Watt
ORZIV		
1	LL117LL	Orziv 200I (400 hrs)
2	LL5129	Orziv Express
3	LL749	Orziv 200I (600 hrs, 35 Amps Maximum)
4	LL749A	Orziv 200I (600 Hrs, 40 Amps Maximum)
5	LL117LLS	Orziv 200I (600 hrs)
OTARI		
1	LL118	Otari, 250 W & 350 W
2	LL118LLS	Otari 250 W & 350 W (600 hrs)

Number	Item Part Number	Laser Rail
PALOMAR		
1	LL6962	Palomar Spektrum Ruby
2	LL2306/8667	Palomar IPL hair removal lamp, Estelux
PHOTON ENERGY		
1	LL209	Photon Energy Draco 80 Watt
2	LL2045	Photon Energy Draco 100 Watt
PLASMALITE		
1	LL7082	Plasmalite, I.P.L. (20 mm arc length)
2	LL7083	Plasmalite, I.P.L. (18 mm arc length)
3	LL7084	Plasmalite, I.P.L. (16 mm arc length)
PM INDUSTRIES		
1	LL500	PM 45, 200, 300
POLARIS		
1	LLXF777	Polaris Ruby
2	LLI165	Polaris Ruby, Folded cavity
POSITIVE LIGHT		
1	LLQCW324	Positive Light Merlin
QUANTA RAY		
1	LLDCR1	Quanta Ray DCR1
2	LL4539	Quanta Ray DCR2, GCR Series, PRO 250-10, 350, INDI series, SP-0004-0725
QUANTA SYSTEMS		
1	LL2003	Quanta QMI-120
2	LLI135	Quanta QMI-80
3	LLI035	Quanta QMI-70
4	LLI017	Quanta Palladio
5	LL2226	Quanta IPL systems
6	LLXF920	Quanta SYL-200 Series
7	LLI434	Quanta QMI-70 (Low current operation)
8	LLI500	Quanta IPL Dual Mode
9	LLI551	Quanta Alexandrite
QUANTEL FRANCE		
1	LLYG581C	Quantel YG581C
2	LLX557	Quantel SFLBR1-06, Brilliant

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TECHNOLOGY AND MARKET DRIVEN COMPANY!

LASER LAMPS & I.P.L. LIGHT SOURCES

For Lamp Pumped Laser Systems

Number	Item Part Number	Laser Rail
3	LLQXA63	Quantel Ruby FC-312
4	LL6903	Quantel IQL30
5	LL8306	Quantel E8-10B
6	LL8045	Quantel SFL-611-06

QUANTUM LASER

1	LL218S	Quantum laser maxi mark (80 Watt)
2	LLQCW336	Quantum Laser Maxi mark 2 (120 Watt)

QUANTRAD

1	LL510S	Quantrad 1733
2	LL512AS	Quantrad 1969
3	LL550S	Quantrad 9555, BLAZER 2000, COMET, GALAXY

QUANTRONIX

1	LL114LLS	Quantronix 114, 602, 603 (600 hrs)
2	LL116LL	Quantronix 116, 604, 416, 4916, 4216 (400 hrs)
3	LL116LLS	Quantronix 116 (600 hrs)
4	LL117LL	Quantronix 117, 117E, 4217, Eagle, Q-Mark (400 hrs)
5	LL749	Quantronix 117 laser lamp 600 hours (35 Amp Maximum)
6	LL118	Quantronix 118, OTARI
7	LLDRS	Quantronix DRS1, DRSII
8	LL749A	Quantronix 117 Laser lamp 600 hours (40 Amps Maximum)
9	LL117LLS	Quantronix, 117 Series, Eagle, Q-Mark (600 hrs)
10	LL118LLS	Quantronix 118

RASEL

1	LL5126	Rasel Lamp MS6384AL, 20 Amps 156-162V
2	LL5093	Rasel Laser, 20 Amps 154-160V

RAYTHEON

1	LLSS500K	Raytheon SS500, SS525, SS531, SS550, Krypton
2	LLSS500X	Raytheon SS500, SS525, SS531, SS550, Xenon

ROFIN BAASEL

1	LL512AS	Baasel 600, 80750-005, 131100029, 209-08890 (20 A, 145-155 V)
2	LL601S	Baasel 601, 80750-006, 131100030, 202-08330

Number	Item Part Number	Laser Rail
3	LL601LL (Long Life)	Baasel 601, 80750-006, 131100030, 202-08330
4	LL166	Bassel 2001, 6000, StarMark SM65, 80750-009, 131100032, 131100054, 202-08891, 80750-045
5	LL209	Bassel 2001, 6000, StarMark SM90, 80750-008, 131100031, 202-08331
6	LL700	Bassel StarMark SM150, 80750-029, 131100046, 209-10481
7	LL800	Bassel Laser Epixan Alexandrite
8	LLXF889	Bassel StarCut 18, 4001, BLS27, BLS701, BLS710, BLS720, 80750-026, 131100043, 80750-012
9	LL9600	Bassel StarWeld Performance, 80750-012, 131100035, 5000 Series, 6000 Series, 202-08320
10	LL9615	Bassel StarWeld 80750-027, 131100044
11	LL2412	Bassel StarWeld Tool 100 W, 80750-043, 131100052
12	LLJK37	Bassel StarWeld 150 W, BLS730, 80750-010, 131100033
13	LL9674	Bassel StarWeld 250 W, 80750-028, 131100045
14	LL1122	Bassel StarWeld 500 W, Xenon
15	LLJK703	Bassel StarWeld 500 W, Krypton/Xenon, 80750-031, 131100048
16	LLX924	Bassel Superb XL Er YAG
17	LL9601	Bassel 710.799, 710.824, 1000P
18	LL512BS	Bassel LVI600, 80750-015 (20 A, 155-165 V)

ROFIN SINAR

1	LL767	Rofin Sinar Evermark 8070, 815, 860,
2	LL726	Rofin Sinar RSY90Q, RSY120Q, PowerLine, 751015A, 131100062 (20A-30A)
3	LL726LL (Long Life)	Rofin Sinar RSY90Q, RSY120Q, PowerLine, 751015A, 131100062 (20A)
4	LL9601	Rofin Sinar Pulsed, 1000P, 710824, 710799
5	LL1445	Rofin Sinar RSY 500, CW020, 710798
6	LL9607	Rofin Sinar RSY 300, 751-429, 131100084

SCHWARTZ E-O

1	LL6834	Schwartz 1-2-3 HoYAG
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SCITON

1	LL2062	Sciton IPL System
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SEI

1	LLQCW336	SEI 120 W laser
2	LL9300	SEI 80 W laser

SHARPLAN

1	LL95	Sharplan 2100, 3000
2	LL7112	Sharplan 5100 Epi-touch
3	LL2028	Sharplan 5100 Epi-touch Alexandrite, New Version
4	LLXF390	Sharplan 2000 Ruby
5	LL1311	Sharplan 5000 Ruby

LASER S.O.S. GROUP

TECHNOLOGY AND MARKET DRIVEN COMPANY!

LASER LAMPS & I.P.L. LIGHT SOURCES

For Lamp Pumped Laser Systems

Number	Item Part Number	Laser Rail
6	LL8586	Sharplan Epilight, Aculight
7	LLX737	Lumenis Derma K
8	LL8587	Lumenis Epi-Light, Photoderm
9	LL9860	Lumenis D-Light
10	LLXF884	Lumenis YAG Vasculight, Elite
11	LL7724	Lumenis Epi-touch Long Pulse
SHARPLIGHT		
1	LL1505	Sharplight Bmax IPL
SIEMENS		
1	LL512AS	Siemens Silamatic
SIMRAD		
1	LL1803	Simrad LP1
SIRO LASERTEC		
1	LLJK574	Siro Laser ALC35, ALO35, ALS35,
2	LLK394	Siro Laser ALS35S, SL50, SL50P, SL75, SL75P, SL1150, Thunder, Tornado, Hurricane, Thunderstorm
SISMA		
1	LLK479	Sisma SL25, SL35, LM300, LM500, LM700
2	LL1177	Laservall SL50, SL80, SL100, LM series, LS35 Laserman
SLS BIOPHILE		
1	LLXF716	Chromos 694 Ruby, MEHL, Chromos 585 Dye laser, N Lite
SOLAR LASER SYSTEMS		
1	LL9858	Solar laser 50 J
2	LL9654	Solar 50 W
3	LL9656	Solar 100 W
SPECTRA PHYSICS		
1	LL570S	Spectra Physics 3000, 3400
2	LL4462S	Spectra Physics 3800
3	LLDCRI	Quanta Ray DCRI

Intelligent Solutions, Manufacturing & Development

Number	Item Part Number	Laser Rail
4	LL4539	Quanta Ray DCR2, DCR11, GCR Series, PRO 250-10, PRO 350, INDI series, LAB130, SP-0004-0725
5	LLQCW324	Spectra Physics Merlin, 9800-2210
6	LL7072	F410-5, F410-50P
7	LL1072	F950-40P, SL900/1300 series, SL905TQ

SPECTRON

1	LLS26	Spectron SL500W, SL501, SL501Q, SL50Q, SL501T, SL501TQ, F900-3
2	LLS27	Spectron SL502, SL502Q, SL902, SL902Q, SL902T, SL902TQ, SL903, F900-4
3	LLQXF166	Spectron SL400-800, SLD601, F400-3 (Oscillator)
4	LLQXF169	Spectron SL400-800, SLD613, F400-4 (Amplifier)
5	LLQXF182	Spectron SL1
6	LL1311	Spectron FI220-4 Sharplan 5000 Ruby
7	LLXF390	Spectron FI200-4, Sharplan 2000 Ruby, NWL Levante, Limmer Ruby
8	LL1852 (Long Life)	Spectron SL502, SL502Q, SL902, SL902Q, SL902T, SL902TQ, SL903, F500-4
9	LL1313	Spectron SL1302Q, SL1308TQ, FI500-5
10	LL1010	Spectron SL603, F410-4C
11	LLXF888	Spectron SL456G, FI200-2
12	LL5129	Spectron F950-4
13	LL2260	Spectron F5501-6, F5501-6 (40A 195-210 V)
14	LL2260/50A	Spectron F5501-6P F5501-60P (50A 210-220 V)
15	LLS62	Spectron 3580-3, Lasermatic
16	LLXF683	Spectron SL852G, F450-2
17	LL2343	Spectron SL1310, F900-5
18	LL8324	Spectron 2w Yag
19	LL989	Spectron F500-40P
20	LL714	Spectron FI500-50P
21	LL7072	Spectron F410-5, F410-50P

SURGICAL LASER TECHNOLOGY

1	LL5064	SLT 0300-6040
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SYBARITIC

1	LLXF486	Sybaritic NannoLight
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SYLVANIA

1	LL4678	Sylvania 1610, Xenon
2	LL6063	Sylvania 1610, Krypton
3	LL9504	Sylvania GTE 612-1

TECHNOMED

1	LL4801	Technomed MC2500
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LASER S.O.S. GROUP

TECHNOLOGY AND MARKET DRIVEN COMPANY!

LASER LAMPS & I.P.L. LIGHT SOURCES

For Lamp Pumped Laser Systems

Intelligent Solutions, Manufacturing & Development

Number	Item Part Number	Laser Rail
TERADYNE		
1	LL510S	Teradyne 311, H-507
2	LL512AS	Teradyne 411, H-514, WD411
3	LL708S	TLSI W614, W670
4	LL4462S	TLSI W614, W670
5	LL114LLS	Teradyne M118 (600 hrs)
6	LL116LL	Teradyne W419, W421, W429, W614, M118 (400 hrs)
7	LL116LLS	Teradyne W419, W421, W429, W614, M118 (600 hrs)
TEXAS INSTRUMENTS		
1	LL6016	Texas Instruments 803285-4
THALES		
1	LL1788	Thales Saga lasers Nd:YAG 220/20, 220/10, Pulsed
2	LL164	Thales Saga lasers Nd:YLF laser, 120/10, CW
THERMOLASE		
1	LL8142	Thermolase Softlight
T.L.T.		
1	LL4491S	T.L.T. Model 800
2	LL601S	T.L.T. Model 1200, 1400
3	LL117LL	T.L.T. Model 2400, Quantronix 117 (400 hrs)
4	LL749	T.L.T. Model 2400, Quantronix 117 (600 hrs)
TOP LASER		
1	LL442	Toplaser, Multilight, SoftLight, I.P.L.
TOSHIBA / SHIBAURA		
1	LL501	Toshiba LAY711, 614, 631, 20A, 140-162V
2	LLAY606	Toshiba LAY606A, 608A
3	LLAY806	Toshiba LAY806
4	LL95	Toshiba LAY616, 618, Sharplan P8FC010
5	LL114LLS	Toshiba LAY612, 624 (600 hrs)
6	LL325	Toshiba OTARI, LAY791, P8FC013
7	LLQCW18	Toshiba LAY714, 651, 717, 601, 602, 603

Number	Item Part Number	Laser Rail
8	LLAY600	Toshiba LAY600A, C, D
9	LLAY601	Toshiba LAY601, 602, 603, 619, P8FA019
10	LLAY605A	Toshiba LAY605A, P8FA015A
11	LL4465B	Toshiba P8FC011, 20A, 145-155V
12	LL5024	Toshiba LAY729EB-5AP, 3000W P8FC016A LAY664D
13	LL5092	Toshiba P8FC018D
14	LL9756	Toshiba P8FA002
15	LL4465A	Toshiba P8FC011, 20A 151-155V
16	LL7760	Toshiba LAY729GC
17	LL6925	Toshiba P8FA013B, LAY803, P8FA013
18	LL9753	Toshiba LAY822A/B, P8FA018
19	LLXF1124	Toshiba 600W LAY828HA, P8FA024
20	LL5147	Toshiba UYH-01900, 100 W laser, P8FC019B
21	LL5149	Toshiba LAY688, 2kW laser, P8FC020
22	LL5145	Toshiba LAY75B, P8FC018F, P8FC018E, P8FC018

TRUMPF

1	LLS27	Trumpf VectorMark
2	LL1852 (Long Life)	Trumpf VectorMark
3	LL2000	Trumpf HL353D, HL506D, HL703D, HL1003D, HL1006D, HL1504D, HL2006D, HL3006D, HL4006D, 759082, 01-04-23-00
4	LL260	Trumpf HL124P, HL42P, HL54P, HL204P, 01-04-22-0, 760512
5	LL506	Trumpf HL506P, 01-04-27-00, 773787
6	LL304	Trumpf HL304P
7	LL432	Trumpf, 01-04-07-00, 750066
8	LL433	Trumpf, 01-04-09-00, 750068
<p>These Laser SOS lamps are not made by TRUMPF but are compatible with their lasers.</p>		

ULTRADE

1	LL1380	Ultrade Smartpulse
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UNIVERSAL LASER SYSTEMS

1	LL708S	LEE 708, 712, 808, 812, 20 Amp Lamp, High Stability
2	LL4462S	LEE 708, 712, 808, 812, 30 Amp Lamp

U.S. LASER

1	LL521	US Laser Model 403TQ3
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USHIO

1	LL5132	LY-100AA
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LASER S.O.S. GROUP

TECHNOLOGY AND MARKET DRIVEN COMPANY!

LASER LAMPS & I.P.L. LIGHT SOURCES

For Lamp Pumped Laser Systems

Number	Item Part Number	Laser Rail
VECTOR LASER		
1	LL9654	Vector laser 50 W
2	LL9656	Vector laser 100 W
3	LL250	Vector laser S250
VEINLASE		
1	LL1650	VeinLase, E035-00-13-090
VISION LASER		
1	LL9654	Vision laser 50 W, Flash 2000
2	LL9656	Vision laser 100 W
3	LL250	Vision laser S250
4	LLYF1116	Vision laser
WAVELIGHT		
1	LLXF701	Wavelight Burane Er:YAG
2	LL8280	Wavelight Lyra, LSY BL12
3	LL5001	Wavelight Venus Er:YAG
4	LL800	Wavelight Arion
5	LL520BC	Wavelight Aura & Orion, LSY BL3
6	LL800	Wavelight Alexandrite EpiXan BLM1000AX
7	LLXF390	Wavelight LSY BL2
8	LL1311	Wavelight LSY BL8
9	LL5045	Wavelight LSY BL9
10	LLXF858	Wavelight Mydon
WORLD OF MEDICINE		
1	LL7078	UV-100
XENOLITE		
1	LL1062	Xenolite I.P.L. System
ZANOBONI		
1	LL601LL (Long Life)	Zanaboni 60 W Marking System (800 hrs)
2	LL601S	Zanaboni 60 W Marking System (400 hrs)

If your lamp is not listed please provide us with an original lamp sample and details of the laser system.

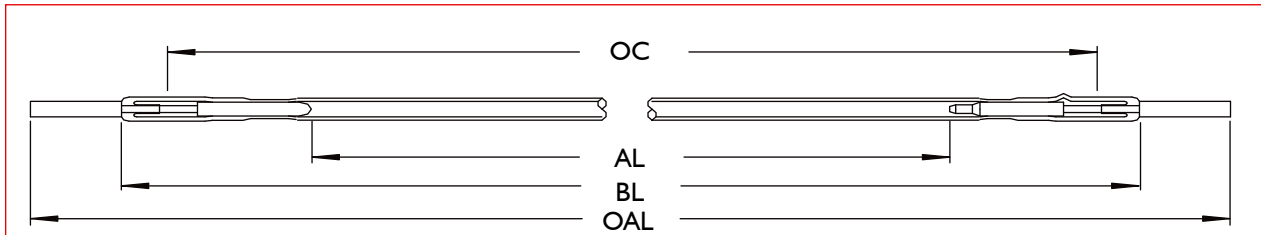
TECHNICAL DATA

Customer name and address:

Tel:..... Fax:

FAX BACK

+44 1480 469978



Arc length (AL) =mm	O-Ring centres (OC) = mm	Pass-through dia. = mm
Body length (BL) =mm	Lamp bore = mm	Lamp OD = mm
Overall length (OAL) =mm	Side-arm position	

Envelope material	<input type="checkbox"/> CFQ	Gas Fill	<input type="checkbox"/> Krypton
	<input type="checkbox"/> CDQ		<input type="checkbox"/> Xenon
	<input type="checkbox"/> SFQ		<input type="checkbox"/> Mix: Krypton, & % Xenon
	<input type="checkbox"/> TDQ		

Lamp type Pulse Cooling: Air Forced Air Water

Operation <input type="checkbox"/> PFN	<input type="checkbox"/> Square wave	Pulse length μ s/ms	Trigger voltagekV
CapacitancemF	Pulse CurrentA	O/C simmerV	KoWA
InductancemH	Pulse VoltageV	Pulse VoltageV	Average PowerW
VoltageV	Pulse energyJ	Simmer voltageV _{max}	FrequencyHz

Continuous Operating CurrentA Operating Voltage.....V Voltage tolerance +/- V

Connector type (measurements in mm)

<p><input type="checkbox"/> Base</p> <p>L = D = Material =</p>	<p><input type="checkbox"/> Offset base</p> <p>L = O = D =</p>	<p><input type="checkbox"/> Flying lead</p> <p>L_L = L_s = Insulation material = Max non-flex =</p>	<p><input type="checkbox"/> Plain</p> <p>L = Finish: <input type="checkbox"/> plain <input type="checkbox"/> nickel <input type="checkbox"/> tinned</p>	<p><input type="checkbox"/> PEI Sleeve</p> <p>L_p = D_p = L_c = D_c = O =</p>
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Additional information/ Special requirements: (please continue on separate sheet if necessary)

LAMP SAFETY DATA SHEET

General:

Flashlamps belong to a family of light producing devices that either operate in a pulse mode (flash) or CW (continuous arc) solid state laser pumping, all lamps regardless of mode of operation are manufactured from tungsten and quartz. Terminations may be electrical connectors manufactured from stainless steel, nickel-plated copper/brass, or copper lead wires either nickel or silver-plated. The lead wires may be insulated with silicone tubing, PTFE or heat shrink. Additionally RTV silicone agents may be incorporated for water or electrical sealing.

Quartz is used to form glass the envelope (gas containment) and tungsten the electrodes (electrical feed through and arc attachment) produce the desired spectrum, the lamps are filled with an inert gas (xenon or krypton) at pressures from half an atmosphere (negative pressure) to several atmospheres (positive pressure). No mercury is used in the manufacture or filling of flashlamps.

Safety Aspects

Quartz

Other than dangers associated with broken glass there are no issues of concern regarding the handling or disposal of the quartz. Do not touch the quartz envelope of a good lamp with bare fingers – it will shorten the lamp life. Should you accidentally touch quartz envelope, just wipe with a clean lens tissue and isopropyl alcohol (IPA).

Tungsten

Electrical feed throughs and anodes are made from pure tungsten and can incorporate lanthanum oxide or potassium at levels no greater than 1%. Tungsten and its dopants can be regarded as stable, posing no health or disposal hazards.

Cathodes incorporate barium, calcium and strontium oxides. Although barium and strontium are hazardous materials they are in the form of a stable ceramic within the tungsten of the cathode.

Some leaching of barium and strontium will take place when the cathode is wet. However, amounts will be small (milligrams) and should not be regarded as a hazard.

ALL TUNGSTEN USED IN FLASHLAMPS ARE FREE FROM THORIA

Electrical Connectors

There is no health or disposal hazards associated with the connectors or lead wires except those associated with fumes from incinerating PTFE or silicone potting compounds.

very important that the lamp is installed correctly. The red end the lamp must be connected to positive terminal (+). the consequence of incorrect connection is that lamp will explode or implode.

Gas Fill

The gases used (xenon and krypton) are inert and pose no health and safety issues should the lamp be broken.

There is a risk from lamps exploding that are filled to pressures over one atmosphere (positive pressure). Generally, this risk is very small. With competent and careful handling, no real risk is posed providing safety glasses are worn when handling positive pressure lamps.

The risk resulting from an exploding lamp is from small pieces of quartz penetrating the eyes, there is generally insufficient energy for quartz to penetrate the skin. By far the main danger from a broken lamp is cuts to the hand when picking up or disposing of the quartz pieces

ALWAYS WEAR SAFETY GLASSES WHEN HANDLING LAMPS

UV/Visible Radiation

All flash and arc lamps produce intense UV and visible radiation in operation. Generally the lamp is contained within the laser optical pump cavity and is completely screened. Some laser systems have a portion of the lamp extending from the cavity and although this part of the lamp is not in the are (active area), some light is radiated into free space. It is very unlikely that this light is capable of damaging the eye as its intensity is very low, but as a general measure of safety, it is recommended that UV safety glasses be worn if spurious light is unavoidable.

Disposal

Regardless of whether the lamp is a high or low-pressure device, we recommend the following:

When disposing of a positive or low-pressure lamp, it should be placed in a stout padded bag (jiffy bag?) and sealed. The lamp should then be smashed and then bag and lamp can be disposed of as normal industrial rubbish. Glass from previously broken lamps should be placed in a `sharps' bin.

Date of issue: 25 September 2008

Disclaimer

Laser SOS Ltd believes this information to be a true and accurate statement. However, disposal should be within local legislation and Laser SOS disclaims all liability with respect to the use or disposal of our products, including without limitation, liability for injury of any kind to the user or third party persons.



LASER S.O.S. GROUP

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