

Smart
SELECTA
Duet

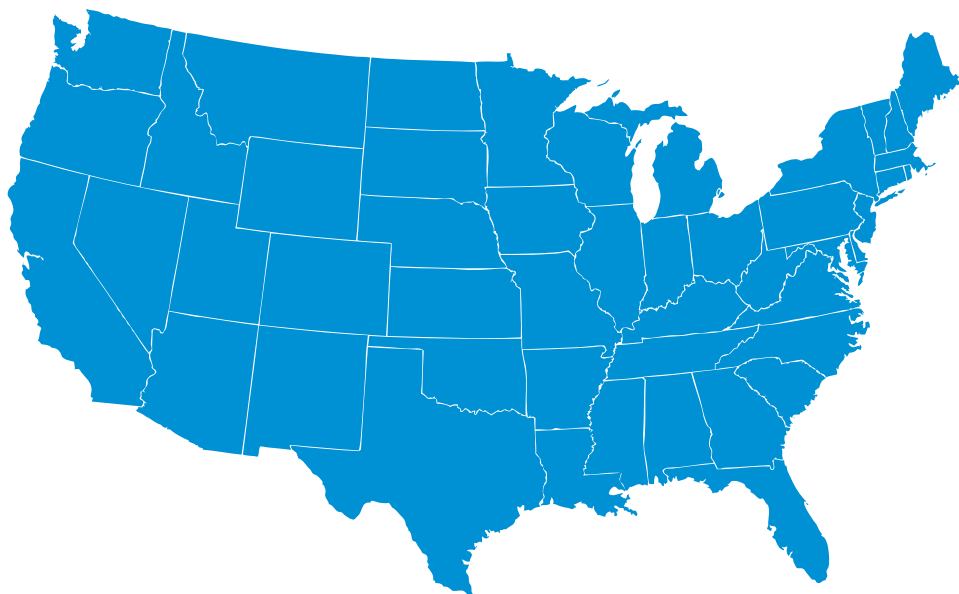
Your Smart Selection
for Glaucoma Care



Lumenis SLT

The Preferred Choice of the Leading Ophthalmic Institutions in the USA

- Bascom Palmer Eye Institute-Anne Bates Leach Eye Hospital, FL
- Wills Eye Hospital, PA
- Wilmer Eye Institute, Johns Hopkins Hospital, MD
- Massachusetts Eye and Ear Infirmary, Massachusetts General Hospital, MA
- Stein and Doheny Eye Institutes, UCLA Medical Center, CA
- Duke University Hospital, NC
- Cleveland Clinic, OH
- University of Iowa Hospitals and Clinics, IA
- USC Eye Institute-Keck Medical Center of USC, CA
- New York Eye and Ear Infirmary, NY
- W.K. Kellogg Eye Center, University of Michigan, MI
- Cullen Eye Institute-Baylor, Methodist Hospital, TX
- Dean McGee Eye Institute, OU Medical Center, OK
- Emory University Hospital, GA
- Hospitals of the University of Pennsylvania-Penn Presbyterian, PA
- Kresge Eye Institute, MI
- Lenox Hill Hospital-Manhattan Eye, Ear and Throat Institute, NY
- Mayo Clinic, MN
- Medical University of South Carolina, SC
- New York-Presbyterian University Hospital of Columbia and Cornell, NY
- Northwestern Memorial Hospital, IL
- Oregon Health and Science University Hospital, OR
- Stanford Hospital and Clinics, CA
- Tufts Medical Center Boston, MA
- UC San Diego Medical Center, CA
- UCSF Medical Center, CA
- University of Chicago Medical Center, IL
- University of Illinois Hospital, Chicago, IL
- University of Miami Hospital, FL



20 Years of SLT Innovation

Lumenis, the pioneer of SLT technology, celebrates 20 years of SLT innovation by launching the newest anterior segment laser platform design, the smart Selecta Duet.

Smart Selecta Duet combines the advantages of Selective Laser Trabeculoplasty (SLT) with YAG photodisruption capabilities, both developed and brought to market by Lumenis.

The smart Selecta Duet encapsulates Lumenis' reliable core, with a cutting edge design, improved optics and new touch screen remote.



Quieter than ever

Extremely low optical breakdown

Cutting edge design

Lumenis SLT inside

Touch screen with sliding axis that matches your practice's illumination

Wheelchair Accessible Table



The Smart Choice for **Your Clinic**

Effective Treatment

Lumenis SLT is clinically proven as first line therapy for glaucoma ^{1, 2}

Hundreds of studies have demonstrated the effectiveness of Lumenis SLT for open angle glaucoma, with over 80% success rate for reducing IOP ^{3, 4}

Proprietary Advanced Laser Design

The smart Selecta Duet represents the next generation of ophthalmic lasers by capitalizing numerous proprietary features:

- Automatic internal tests to ensure power requirements
- Secondary control unit to guarantee power accuracy
- A unique temperature-controlled KTP crystal for accuracy and stability of the laser beam

Uncompromised Quality & Service

- Lumenis SLT systems are proudly manufactured in the US
- Lumenis delivers rapid service with more than 50 direct field service employees with fast on-site response.

Super Gaussian Beam Profile in YAG Mode

The smart Selecta Duet features a highly accurate Super Gaussian beam profile in order to achieve optical breakdown – or photo disruption – with the lowest possible energy levels.



¹ McIlraith I, Strasfeld M, Colev G, Hutnik CML. Selective laser trabeculoplasty as initial and adjunctive treatment for open-angle glaucoma. J Glaucoma. 2006;15:124-130⁴ Damji KF, Bovell AM, Hodge WG.

² Melamed S, Ben Simon GJ, Levkovitch-Verbin H. Selective laser trabeculoplasty as primary treatment for open-angle glaucoma. Arch Ophthalmol. 2003;121:957-960

³ Juzych MS, Chopra V, Banitt MR, et al. Comparison of long-term outcomes of selective laser trabeculoplasty versus argon laser trabeculoplasty in open-angle glaucoma. Ophthalmology. 2004; 111:1853-1859

⁴ Damji KF, Bovell AM, Hodge WG. Selective laser trabeculoplasty: a review and comparison to argon laser trabeculoplasty. Ophthalmic Pract. 2003; 21:54-58

The Smart Choice for **Your Patient**

The smart Selecta Duet offers your patient a safe and effective treatment. Lumenis SLT core technology has 20 years of experience, and is clinically proven for treating open angle glaucoma, with hundreds of studies

supporting it. System safety measures and a built-in energy indicator assure accurate energy delivery throughout every treatment. It is also the SLT of choice of the leading ophthalmic institutions in the USA.



Every Clinic **Needs Its Lumenis SLT**

Technology is moving fast, and so are the efforts to find the gold standard protocol for glaucoma care.

There's one thing that hasn't changed in the past 20 years – every clinic has many patients who need SLT treatment to assure their ocular health.

“We use SLT as first line therapy in just about every patient that comes in and who's a good patient, so we offer SLT as primary therapy and I think this is probably the most important role that SLT has played in the management of Glaucoma”

Mark A. Latina, MD ⁵

*“Studies show that **SLT is an effective primary therapy in appropriate patients**, working as well as drops without the compliance issues or side effects such as ocular hyperemia and ocular surface disease”*

Nathan M. Radcliffe, MD ^{6,7}

Every clinic needs its SLT, we offer you the smartest. Selecta Duet.

⁵ SLT Physician Testimonials Mark A. Latina, MD for the AAO 2013

⁶ Waisbourd M, Katz LJ. Selective laser trabeculoplasty as a first-line therapy: a review. Can J Ophthalmol. 2014 Dec;49:519-522.


⁷ Katz LJ, Steinmann WC, Kabir A, et al; SLT/Med Study Group. Selective laser trabeculoplasty versus medical therapy as initial treatment of glaucoma: a prospective, randomized trial. J Glaucoma. 2012 Sep;21:460-468.

Smart SELECTA Duet Specifications

	YAG Photodisruptor Mode	SLT Mode
Laser Source	Q-Switched Nd:YAG	Q-Switched Frequency Doubled Nd:YAG
Wavelength	1064nm	532nm
Energy (power)	0.3mJ - 10mJ per pulse	0.3 - 2.0mJ per pulse, continuously variable in 0.1 increments
Pulse Duration	3ns (nanoseconds)	3ns (nanoseconds)
Burst Mode	1, 2 or 3 pulses per burst (selectable)	Single Pulse
Spot Size	8 microns	400 microns
Cone Angle	16 degrees	< 3 degrees
Posterior Offset	0 - 350 microns (continuously variable)	Not Applicable
Repetition rate	3Hz (in single burst)	3Hz
Pulse Rate	Not Applicable	Not Applicable
Aiming Beam	Red Diode, continuously variable adjustable intensity	Red Diode, continuously variable adjustable intensity
Cooling	Air Cooled	Air Cooled
Electrical Requirements	100 -240 VAC, 50/60 Hz, 3.15 Amps	100 -240 VAC, 50/60 Hz, 3.15 Amps
CDRH Classification	FDA IIIb	FDA IIIb
Selecta Duet	Table height Wheelchair accessible, 945 mm max, 695 mm min, travel ~250 mm (37.8 in max, 27.4 in min, travel ~10.4 in) Table width Small: 630 mm (24.8 in) Medium: 880 mm (34.5 in), Table depth Small: 400 mm (15.7 in) Medium: 450 mm (17.8 in), Table wheel base Small: 520 mm x 440 mm (20.4 in x 17.2 in), Medium: 460 mm x 830 mm (18.1 in x 32.7 in), Total system weight <60 kg	

Risks and warnings: Smart Selecta Duet is intended solely for use by trained physicians. **SLT:** contraindicated for eyes with neovascular or angle-closure glaucoma. Risks include iritis, conjunctivitis and IOP rise. **YAG:** contraindicated for eyes with corneal pathologies and chronically elevated IOP. Risks include IOP rise, macular edema and retinal detachment. Refer to the operator manual for a complete list of intended use, contraindications and risks.

Lumenis® Certified Service | USA Toll-free 1-877-LUMENIS (1-877-586-3647)

 Lumenis Inc.
1870 South Milestone Drive
Salt Lake City, UT 84104 USA
Tel +801-656-2300
Fax +801-656-2429

 Lumenis (Germany) GmbH
Heinrich-Hertz-Str 3 D-63303
Dreieich-Dreieichenhain
GERMANY
Tel +49 (0) 6103 8335 0

AMERICAS
San Jose, CA, USA
Tel +1 408 764 3000
+1 877 586 3647
Fax +1 408 764 3999

EMEA
Dreieich Dreieichenhain,
Germany
Tel +49 6103 8335 0
Fax +49 6103 8335 300
Roma (RM), Italy
Tel +39 06 90 75 230
Fax +39 06 90 75 269
Hertfordshire, UK
Tel +44 20 8736 4110
Fax +44 20 8736 4119

JAPAN
Tokyo, Japan
Tel +81 3 4431 8300
Fax +81 3 4431 8301

ASIA / PACIFIC
Beijing, China
Tel +86 10 5737 6677
Gurgaon, India
Tel +91 124 422 07 95
Kowloon, Hong Kong
Tel +852 217 428 00
Fax +852 272 251 51



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