



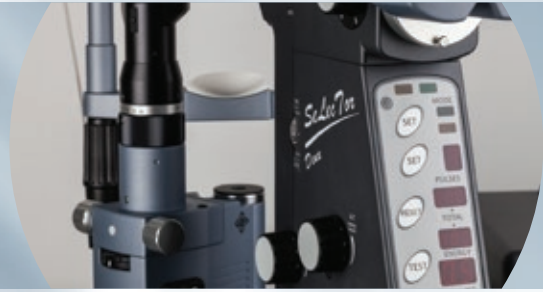
**BREAKTHROUGH SLT  
PERFORMANCE AND  
UPGRADEABILITY**

Laser Solution  
For Glaucoma Therapy



**LIGHTLas SLT™**  
SELECTIVE LASER TRABECULOPLASTY

# ADVANCED DESIGN, INNOVATIVE THERAPY



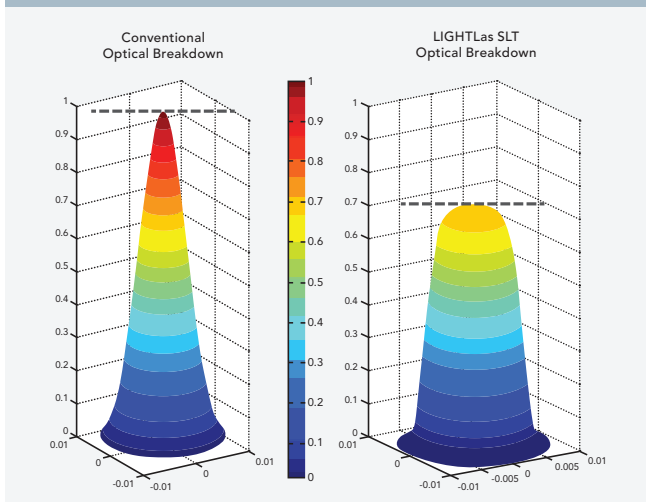
Proven effective in treating glaucoma, with expanding applications in retinal diseases, the LIGHTLas SLT™ offers industry-leading versatility.

## Why Selective Laser Trabeculoplasty (SLT)?

SLT is a clinically proven and highly effective laser treatment to reduce glaucoma induced IOP. Suitable as first-line treatment or adjunct to medications therapy, SLT is a safe, sensible, and smart treatment option. It is repeatable, non-collateral, and triggers the body's natural restorative mechanisms.

Research also suggests that the same non-thermal, nanosecond technology may stimulate biological healing mechanisms to treat a range of degenerative retinal diseases such as AMD and Diabetic Retinopathy, making the LIGHTLas SLT one of the most functional and versatile lasers on the market.

### LIGHTLas SLT Crystal Q-Switch Gaussian Profile



## Crystal Q-Switch Laser Technology

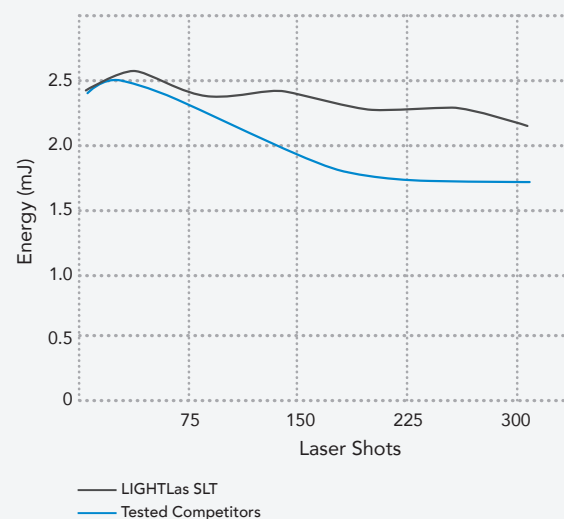
- **Powerfully Crafted:** The unit is operated through a laser-fire Q-Switch conveniently integrated into the system
- **Unique Laser Cavity Technology:** Provides optimum tissue-cutting precision and consistent shot-to-shot output energy at the industry's lowest optimal breakdown levels
- **Advanced Noise Reduction:** Improves patient compliance and allows procedures to be completed with lower energy levels to help reduce treatment side effects and lens pitting

## Thermal KTP Crystal Management

Exclusive Circuitry And Software: Eliminates KTP variation by engaging a unique thermal control mechanism:

- Guarantees optimum, shot-to-shot performance and reduces energy variation error
- Assures most stable SLT output energy performance over high repetition firing

### LIGHTLas SLT Energy Stability



# FULL ARRAY OF FEATURES AND BENEFITS



Intelligent and ergonomic features offer superb precision and unparalleled ease of use.

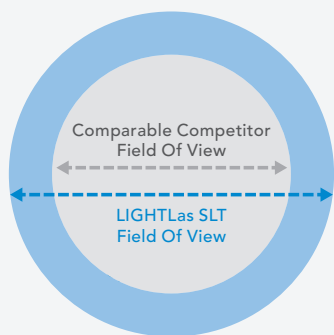
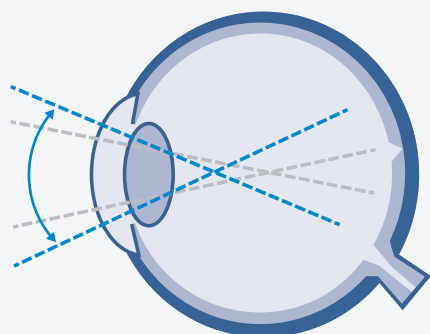
## Quality Precision Optics

- **Superior Design:** High-resolution, Galilean slit lamp along with quality components provide enhanced view and seamless operation
- **Large, Crisp Field Of View:** Beam splitter-free design features internally coated safety optics to assure unmatched resolution and viewing
- **Five-Step Magnification Changer:** Provides exceptional viewing, from fine structures to the wide-field view of the retina. The integrated magnification changer helps improve diagnosis capabilities at a convenient working distance

## Intelligent And Ergonomic Features

- **Dual Hand Controls:** Enables comfortable use under all treatment conditions, while externally mounted chin rest facilitates accommodation of patient posture
- **Modular Design:** Accommodates to smaller rooms and enables faster, easier maintenance
- **Optimal Laser Parameters:** Features a large, easy-to-read screen and accessible controls that allow quick adjustments to treatment parameters throughout a procedure

LIGHTLas SLT™ Field Of View



## ULTIMATE UPGRADEABILITY



The LIGHTLas YAG™ and LIGHTLas SLT Deux™ (integrated YAG/SLT laser) can also be upgraded to the V-series, which adds YAG laser vitreolysis functionality to create an even more powerful multi-purpose anterior and posterior workstation: LIGHTLas YAG-V™ or LIGHTLas SLT Deux-V™.

### V-Series: Flexibility For Successful Vitreolysis Treatment

Optimized for both posterior and anterior YAG laser therapy, LIGHTLas YAG-V allows surgeons to perform anterior or posterior capsulotomies with new-generation IOLs, peripheral iridotomies for glaucoma, and vitreolysis to treat vitreous strands and opacities—all with a single instrument.

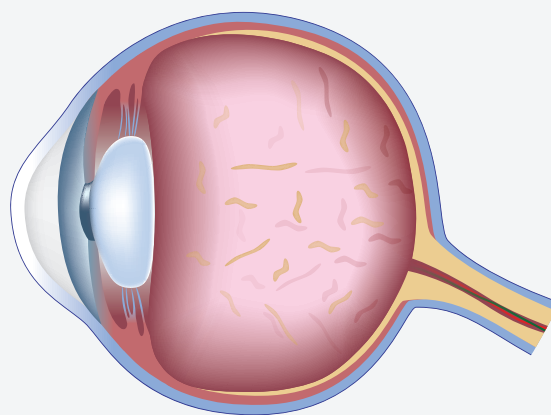
The advanced LIGHTLas SLT Deux-V laser has the capability to perform a non-invasive and safe treatment for vitreous strands.

- Uses a unique and advanced design to illuminate deeper into the vitreous
- Provides an unobstructed laser beam that allows more control, convenience, and precision during each treatment
- Ensures precise positioning of the optical breakdown and provides protection of adjacent tissue with the precision of the two-point aiming system and wide-offset range

“ LIGHTMED™ provided a YAG/SLT laser for me to evaluate. The optics are terrific, the laser energy is precise and everything about the console feels like a quality product. If you are in the market for an ophthalmic, office-based laser, do yourself a favor and get LIGHTMED to show you their offering—you will be happy you did. ”

Toby Tyson, MD; Cape Coral, FL

### Vitreous Humor And Floaters



Vitreous opacities and strands are also known as eye floaters that drift in the vitreous humor of the eye. The LIGHTLas SLT Deux-V laser can be used to perform vitreolysis, which can evaporate vitreous opacities and sever vitreous strands, therefore eliminating the visual burdens caused by the floaters.



# DYNAMIC WITH INFINITE TREATMENT OPTIONS



In addition to a suite of advanced features and service, LIGHTLas SLT™ offers a comprehensive selection of combinations as your practice grows and clinical needs change.

## Advanced Engineering

The LIGHTLas SLT design simplifies service and maintenance, while increasing dependability. Ease of regulated periodical maintenance and diagnosis result in minimum system down time and reliable operations.

## Premier Service

- **Best-In-Class Coverage:** Every LIGHTLas SLT comes with the reassurance of the industry-leading warranty from LIGHTMED™
- **Convenient Service:** Assure reduced product downtime with multiple service centers across the US for quick maintenance or in-office repair



## Unmatched Ergonomics

The LIGHTLas SLT configurations result in greater product efficiency, enhanced reliability, and comfort for physicians and patients. Our innovative engineering enhances practice dynamics and clinical scope with numerous table options that optimize space and clinical needs.

## Range Of Workstation Options

- **Clinical Versatility:** Uniquely upgradeable at any time to include the Selective Laser Trabeculoplasty (SLT) feature to function as an integrated YAG/SLT laser, LIGHTLas SLT Deux™, for increased product value and space savings
- **Powerful Photocoagulator Integration:** Works with the LIGHTLas 532™ (green), LIGHTLas 577™ (yellow), and LIGHTLas 810™ (infrared) that utilize traditional continuous wave (CW) and exclusive SP-Mode™ (sub-threshold technology) to form a photocoagulator/photodisruptor workstation



## Technical Specifications

Model	LIGHTLas SLT™ Selective Laser Trabeculoplasty
Laser type	Q-switched, frequency doubled Nd:YAG
Wavelength	532 nm (green)
Energy range	0.2 – 2.6 mJ, continuously variable
Pulse width	3 nanoseconds
Burst mode	Single pulse
Mode structure	Frequency-doubled; diffraction limited
Spot size	400 µm
Cone angle	< 3°
Laser repetition rate	Up to 3.0 Hz
Aiming beam	Single beam laser diode; continuously variable; 635 nm (red)
Magnification	Integrated 5-position: 5x, 8x, 14x, 25x, and 38x
Safety filter	Fixed, OD5 at 1064 nm and 532 nm, double coated/color-balanced
Cooling	Air convection; passive
Power requirements	100 – 240 VAC, 50/60 Hz auto-ranging
Power rating	500 VA
Dimensions	72 cm (L) x 54 cm (W) x 54 cm (H) 28 in (L) x 21 in (W) x 21 in (H)
Weight (system only)	21 kg 46.3 lbs.

Specifications are subject to change without notice. LIGHTMED™ devices are made strictly in accordance with the international laser safety standards: EN60601-1, EN60601-1-1, EN60601-1-1-2, EN606901-2-22, IEC60825-1 Rev: DCA61001

## Optional Accessories

- Dual plug beam splitter
- Observation tube
- Photographic camera adaptor
- Video camera adaptor
- Iridotomy laser lens
- Capsulotomy laser lens
- SLT laser lens
- Mid-vitreous lens

## Accessory Tables

- U-recessed and extension arms  
single column table
- Dual column wheel chair  
accessible table

All tables come supplied with height adjustable armrest. Tables are available in white upon request.



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