

LIGHTLas

SLT DeUX

SLT/YAG
COMBINATION SYSTEM



Selective, Repeatable and
Multipurpose Laser



LIGHTMED

Enlightening Vision

LIGHTLas SLT Deux

Selective, Repeatable and Multipurpose Laser

LightLas SLT Deux™ is the newest, most advanced and multimodal ophthalmic laser, providing Selective Laser Trabeculoplasty (SLT) and YAG Photodisruption functions in the proprietary integrated design from LightMed. LightLas SLT Deux™ is capable to further incorporate with LightMed Photocoagulators, offering superb functions and unparalleled Glaucoma, Cataract and Retinal modalities from a single platform laser, complemented by industry's unmatched value.

Ergonomic, Efficient and Intelligent Design

- LightMed intelligent and integrated design philosophy reflects in greater product efficiency, enhanced reliability and comfort for physician and patients.
- Comfortable working distance for physician, maximising distance from Laser's objective to patient's eye for easy treatment lens positioning, whilst reducing back strain by limiting the reach out to the patient's eye.
 - Compact design without external cables design maintains an elegant image and functional workflow.
 - Externally mounted chin rest facilitates easier patient positioning and participation.
 - Intelligent modular design of the laser increases system performance, durability and reduces the time and cost of preventative maintenance.
 - Numerous accessory Table options for optimum space utilizations and clinical needs.

Single, Dual and Tri Laser Workstation

The LightLas SLT Deux™ can be supplied as Single (SLT), Dual (SLT/YAG) and Tri (SLT/YAG – Photocoagulator) Laser within the same integrated workstation.

- Integrates with the LightLas 532, LightLas 577, LightLas 810 and Dual Wavelength Photocoagulators forming a powerful and complete laser system.
- Enhances practice' dynamics and clinical scope.
- Space saving with efficiency of integrated design.
- Industry's best performing system with unmatched economies of scale with lower costs of ownership.

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. It is a Safe, Sensible, and Smart treatment option, as its repeatable, non-collateral and triggers body's natural restorative mechanisms.

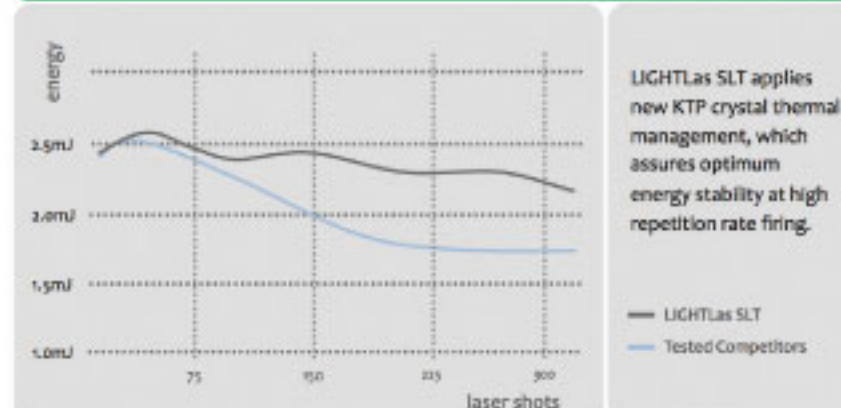
Research also suggests that the same non-thermal, nanosecond technology may stimulate biological healing mechanisms to treat a range degenerative retinal diseases such as AMD and Diabetic Retinopathy, making the LightLas Deux™ amongst the most functional, and versatile lasers in the market.



Thermal KTP Crystal Management

The new LIGHTLas SLT Deux and LIGHTLas SLT Solo feature an exclusive Thermal KTP Crystal Management circuitry and software, which assure most stable SLT output energy performance over high repetition firing.

LIGHTLas SLT energy stability



LIGHTLas SLT applies new KTP crystal thermal management, which assures optimum energy stability at high repetition rate firing.

KTP crystal thermal management (<10% threshold error)

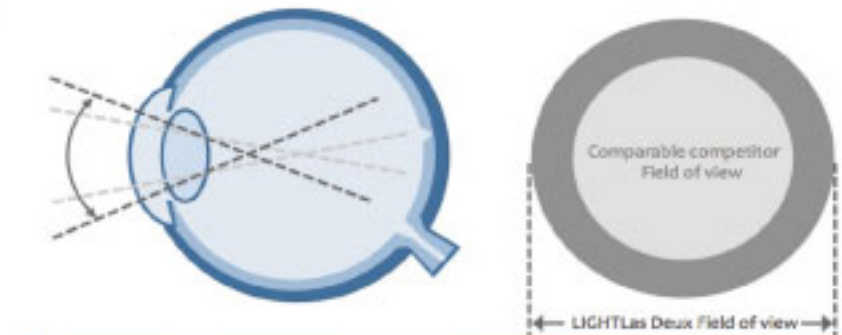
Superior Quality Optics Slit Lamp, Enhanced Viewing and Diagnosis

LightLas SLT Deux™ utilises a high precision slit lamp with quality optics providing superior and undistorted viewing, and complete diagnostic functions.

- WideField™ Optics provide larger field of view than most contemporary lasers in the market.
- Double coated, colour-balanced safety filter provides enhanced safety for physician with excellent no distortion viewing.
- Precise laser delivery and better clinical performance.
- Integrated 5-position magnification changer for superior diagnosis and better treatment efficacy.



LIGHTLas Deux Segment Viewing



10% Larger Field of View

Convenient & Easy Controls

The LIGHTLas SLT features large, clear displays with easily accessible controls, making it amongst the user-friendliest lasers available. Laser parameters can be seen and adjusted beneath the oculars, limiting the distance the user needs to move during procedures, assuring adequate procedure focus and attention.



OPTIONAL ACCESSORIES:



Dual Plug Beam Splitter
P/N:600022



Second Observer
P/N:600023



Photographic Camera Adaptor
P/N:600024



Video Camera Adaptor
P/N:600025



Iridotomy Laser Lens
P/N:600035
Capsulotomy Laser Lens
P/N:600036
SLT Laser Lens
P/N:600403

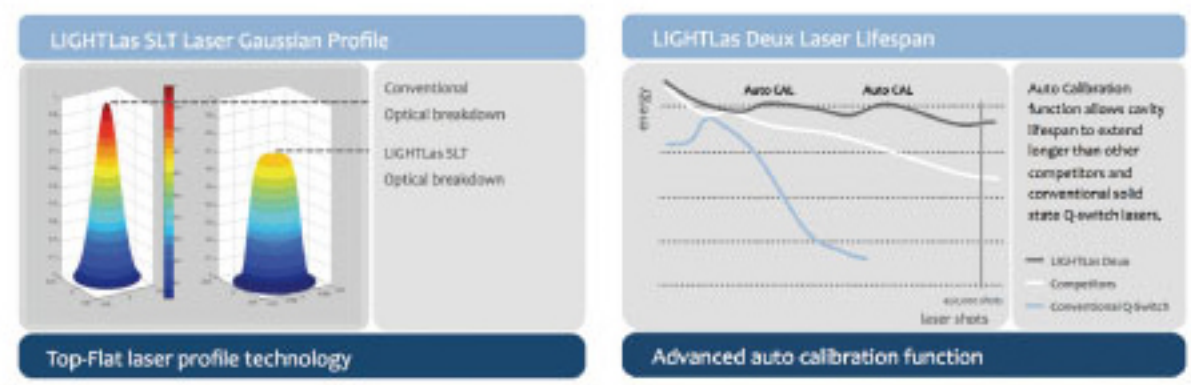
	YAG	SLT
Laser Type	Q-switched Nd:YAG	Q-switched, frequency doubled Nd:YAG
Wavelength	1064 nm	532 nm
Energy Range	0.2 to \leq 15mJ (in single pulse mode) 10 to \leq 25mJ (in double pulse mode) 20 to \leq 45mJ (in triple pulse mode)	0.2-2.6mJ, continuously variable
Pulse Width	4ns	3ns
Burst Mode	1, 2 and 3 pulses per shot, selectable	Single Pulse
Mode Structure	Fundamental, diffraction limited	Frequency-doubled, diffraction limited
Avg. Air Breakdown	2.1mJ (\leq 1.5mJ in liquid solution)	N/A
Spot Size	8 μ m	400 μ m
Cone Angle	16° degrees	< 3° degrees
Treatment beam Offset Range:	\pm 500 μ m, continuously variable	N/A
Laser Repetition Rate	Up to 3.0Hz	
Aiming Beam	Dual Beam laser diode, Continuously variable, Red 635 nm	Single Beam laser diode, Continuously variable, Red 635 nm
Laser Delivery	Galilean Slit Lamp integrated, stereoscopic 16x microscope with converging optics	
Magnification	Integrated: 5-position, 5x, 8x, 14x, 25x, 38x	
Safety Filter	Fixed, OD5 @ 1064 nm and 532 nm, Double Coated / colour-balanced	
Cooling	Air convection, passive	
Power Requirements	100-240 VAC, 50/60 Hz, Auto ranging	
Power Rating	500 VA	
Dimensions	72cm x 54cm x 54cm (LxWxH) / 28" x 21" x 21" (LxWxH)	
Weight	21Kg / 46.3 lb (system – without optional table)	

NOTES: Specifications are subject to change without notice. Copyright © 2012, LightMed Corporation. LightMed, LightLas, TruLase, TruSpot and Deux are a registered trademark of LightMed Corporation. LightMed devices are made strictly in accordance with the international laser safety standards: EN60601-1, EN60601-1-1, EN60601-1-2, EN60601-2-22, IEC60825-1 Rev1 DCA61001

Crystal Q-Switch Laser Cavity Technology

The LIGHTLas SLT features industry's most advanced design Crystal Q-Switch Laser Cavity Technology, ensuring low energy optical breakdown, assuring precise energy delivery and stability.

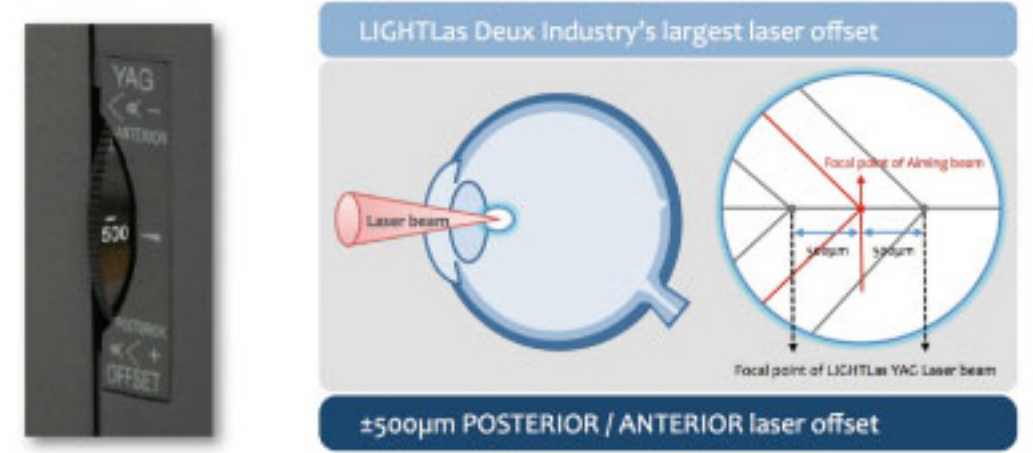
- Superb life-span
- Efficient and stable energy delivery
- Enhanced clinical precision



Industry's Largest \pm 500 μ m Posterior/Anterior Laser Offset

The LIGHTLas SLT features the industry's best offset setting, continuously variable \pm 500 micron assuring greater clinical flexibility and safety.

- Eliminates lens pitting
- Allows lens polishing



ACCESSORY TABLES:



All Tables come supplied with height adjustable Arm Rest and available in White Color on special request.



www.lightmed.com



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