

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.

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.



Highly Sophisticated and Durable Laser Technology

The LightLas SLT Deux™ optical and laser engine technology assures greater precision, safer and controllable treatment, and industry's best performing – longest life span and stability laser cavity design.

- Ultra Gaussian treatment beam its fast recharge time enable more efficient energy delivery resulting in accurate tissue cut with fewer shots fired for precise capsulotomy and iridotomy treatment.
- Proprietary Crystal Q-Switch in cavity allows very low energy optical breakdown resulting in safer treatment, exceptional energy stability and exceptional life-span of the laser cavity.
- Industry's largest $\pm 500\mu\text{m}$ Posterior/Anterior Laser Offset setting enhances treatment precision and safety, whilst minimises the probability of IOL pitting.
- Tight tolerance of the two-point focusing system in YAG mode enables fast and convenient system and energy delivery.
- Clinically recognized SLT laser settings and built in parameters with temperature controlled KTP for optimum and safe outcomes.
- Advanced system software and auto calibration features for stable and precise shot to shot performance.



OPTIONAL ACCESSORIES:



Dual Plug Beam Splitter
P/N:600022



Second Observer
P/N:60023



Photographic Camera Adaptor
P/N:60024



Video Camera Adaptor
P/N:60025



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 ≤ 15mJ (in single pulse mode) 10 to ≤ 25mJ (in double pulse mode) 20 to ≤ 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 (≤ 1.5mJ in liquid solution)	N/A
Spot Size	8µm	400µm
Cone Angle	16° degrees	< 3° degrees
Treatment beam Offset Range:	±500µm, 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, 6x, 10x, 16x, 25x, 40x	
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)	

ACCESSORY TABLES:



U-Recess & Extension
Arms Table
P/N:TB0006+TS0006



Flat Combo
P/N:TB0010+TS0006



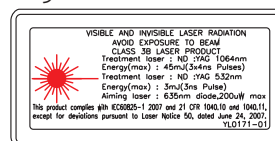
Dual Column
P/N:TB0013

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

NOTES: Specifications are subject to change without notice.

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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: DCA 61101



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