

# LIGHTLas

## YAG

LASER PHOTODISRUPTOR



Reliable, Effective and  
Clinically Superior



# LIGHTMED

Enlightening Vision

# LIGHTLas YAG

Reliable, Effective and  
Clinically Superior

The **LightLas YAG** is the world's most popular and widely applied laser photodisruptor in posterior capsulotomy and iridotomy procedures, combining unparalleled functionality, safety and versatility with unmatched value.



#### • Safe, Reliable and User-Friendly Design

The LightLas YAG is made to exceed expectations of most discerning physicians for optimum performance in office or OR.

- Beam Splitter free design introduces astigmatism and color distortion free viewing.
- Smart modular design assures better treatment and enhances faster and easier maintenance.
- Large and conveniently located controls assure easier and undisturbed use of the laser under all treatment conditions.
- Sophisticated electronics and laser firing mechanisms assure high duty cycle operation and greater durability.
- Double coated safety filters assure greater patient and physician safety.



#### • Fully Integrated Slit Lamp Design

The LightLas YAG is integrated into a high quality slit lamp, capable for precise treatment, or to function as feature-packed examination slit lamp.

- Superb quality optics.
- Large, undistorted field of view.
- Exceptional design allowing short working distance from eye pieces to objective (reducing back strain for holding the lens) and with greater space from objective to patient eye (for convenient treatment lens positioning).
- Externally mounted Chin rest enhances positioning and comfort of the patients.



#### • Upgradable to SLT Combo, Dual & Tri Laser

The LightLas YAG uniquely upgrades with the Selective Laser Trabeculoplasty (SLT) feature, to function as a YAG/SLT workstation within the same integrated slit lamp.

- Integrates with the LightLas 532, LightLas 577, LightLas 810 Lasers forming a powerful and complete Photocoagulator/Photodisruptor workstation.
- Space saving system with efficiency of integrated laser station.
- Lower costs of ownership assure unmatched economies of scale.
- Increased practice and clinical scope.

#### • Integrated Five-position Magnification Changer

The system is supplied with an integrated five-position magnification changer that provides great flexibility for diagnostic and treatment. This clever and ergonomic design allows optimal viewing of fine structures and wide field view of the retina.

- Convenient working distance.
- Better Diagnosis.



#### • Industry's Largest YAG offset setting $\pm 500\mu\text{m}$

The LightLas YAG features the industry's best posterior/ anterior offset setting, continuously variable  $\pm 500$  micron assuring greater clinical flexibility and safety.

- Eliminates Lens Pitting.
- Allows Lens Polishing.



#### • Crystal Q-Switch Laser Cavity Technology

The LightLas YAG 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.

TECHNICAL SPECIFICATIONS	LIGHTLAS YAG LASER PHOTODISRUPTOR
Laser Type	Crystal Q-Switched Nd: YAG
Wavelength	1064nm
Energy Range	0.2 to ≤ 15 mJ (in single pulse mode) 10 to ≤ 25 mJ (in double pulses mode) 20 to ≤ 45 mJ (in triple pulses mode)
Pulse Width	4ns
Treatment Spot Size	8µm
Burst Mode	1, 2, or 3 pulses per shot, selectable
Mode Structure	Fundamental, diffraction limited
Avg. Air Breakdown	≤ 2.1mJ (in air) & ≤ 1.5mJ (in liquid solution)
Cone Angle	16° degrees
Treatment Beam Offset Range	± 500µm, continuously variable
Laser Repetition Rate	Up to 3.0Hz
Aiming Beam	Dual Beam laser diode, continuous wave, Red 635nm
Magnification	Integrated 5-position: 5x, 8x, 14x, 25x, 38x
Cooling	Air convection, passive
Dimensions	72cm x 54cm x 54cm (LxWxH) 28" x 21" x 21" (LxWxH)
Weight	21Kg/ 46.3lb (system) 28Kg/ 61lb (packed)
Power Requirements	100-240 VAC, 50/60 Hz, Auto ranging
Power Rating	500 VA

## ACCESSORY TABLES



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

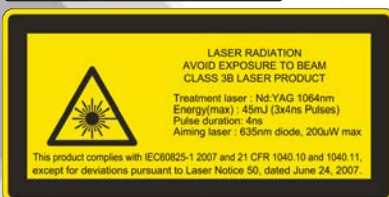


Flat Combo  
P/N:TB0010+TS0006



Dual Column  
P/N:TB0013

## OPTIONAL ACCESSORIES



- Beam Splitter
- Observation Tube
- C Mount
- Video/Photo Camera Adapter
- Iridotomy Lens
- Capsulotomy Lens
- Footswitch

NOTES: Specifications are subject to change without notice. Copyright © 2012, LightMed Corporation.

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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: DCA60001

NOTE:

All Tables come supplied with height adjustable Arm Rest.

LightLas YAG Laser and Tables also available in White Color on special request.



www.lightmed.com



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