

# LIGHTLas 810

DIODE LASER PHOTOCOAGULATOR



Versatile, efficient and  
cost effective



**LIGHTMED**  
Enlightening Vision

# LIGHTLas 810

Versatile, efficient and cost effective  
Laser Photocoagulator



### • Portable, Versatile & High Duty Cycle Laser Solution

The third generation LIGHTLas 810 combines innovative laser technology and ergonomic design, incorporating the highest standards of performance for use in the Office or OR.

- Digitally Controlled instant-duty cycle system, permits fast speeds and high power output over prolonged use
- Easily transportable system utilizing convenient carry handle and portable carry case
- Industry's best Value for Money green laser photocoagulator

### • Unique Slit Lamp Integrated Option

One of the world's finest slit lamp laser integrated system option, provides outstanding controls, enhances safety and increased clinical flexibility.

- Superior Optic Slit Lamp for enhanced diagnosis
- 50-1000µm continuously variable spot size controls
- True-Parfocal delivery system providing superb energy density and increases clinical versatility
- Internal safety filters allow larger field viewing, and undistorted crystal clear view of the retina
- Unobstructed, and longer working distance between objective lens and patient's eye increases comfort and precision in operating



### • Advanced LCD Touch Screen Interface

7" backlit color LCD touch screen has intuitive menus with easy selection and treatment settings.

- Enhances working space and offers easy access to all laser controls
- Convenient in use and space saving



### • Dual & Tri Combo Laser Integration

LIGHTLas 810 integrates with the LightLas YAG and LightLas SLT/Deux Lasers forming a powerful and complete Photocoagulator/Photodisruptor/SLT workstation.

- Space saving system with efficiency of integrated laser station
- Lower costs of ownership assure unmatched economies of scale
- Increased practice and clinical scope

### • TruLase Laser Indirect Ophthalmoscope (LIO)

Keeler integrated LIO, provides unique controls of aperture size and spot position.

- Lightweight and highly portable LIO
- Superior clarity safety filter lens for enhanced, undistorted viewing



### • Wireless, Power Control Foot Pedal

The optional ergonomic design foot pedal enables easy positioning and adjustment of treatment power settings.

- Allows hands-free operation
- Uninterrupted procedure for increased visual focus



### • Extensive range of Laser Delivery Systems

LIGHTLas 810 comes with an extensive range of Slit Lamp Delivery Adapters (SLA) to suite, Zeiss, Haag-Streit (and clones), and LightMed Laser slit lamps.

- Parfocal 50-500µm continuously variable spot size with or without micromanipulator option
- Excellent, uniform power density distribution over the treatment spot
- Superior safety filter optics providing enhanced view of the retina
- Automatic recognition of delivery devices and treatment modes, assures simple selection and safer application





## ACCESSORIES



LIO



Wireless Foot Pedal



Endoprobes & G-Probe



Safety filter

TECHNICAL SPECIFICATIONS	LIGHTLas 810 INFRARED DIODE LASER PHOTOCOAGULATOR
Laser system	DPSS True CW
Safety Classification	Class 4
Wavelength	Red (810nm)
Power Output	50 - 3000mW
Max Power at cornea	2.0W (Endo, LIO & SLA @ all spot sizes)
Pulse Duration	0.01 - 3.0s
Pulse Interval	0.01 - 3.0s, & Continuous
Cooling	Auto Fan & TEC's for Laser & Crystal
Treatment spot size	50 to 500µm Contiguously Variable or Stepped 50 - 1000µm Contiguously Variable (Integrated Version)
Aiming beam	Laser diode 653nm, red 0.1 - <1mW
Safety Classification	Class 2
Dimensions (laser console)	13cm (H) x 36cm (W) x 33cm (D) 5.1" x 14.5" x 12.9"
Weight (laser console)	12kg 26.4lbs
Power Requirements	100-230VAC, 50-60Hz Auto-Ranging

NOTES: Specifications are subject to change without notice. ©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, IEC 60825-1 Rev: DCA62002

### OPTIONAL ACCESSORIES

Endoprobes (Straight, Curved, Aspirating)

TruSpot SLA for Zeiss, Haag Streit (analogues)

TruSpot SLA for LightLas YAG / SLT / SLT Deux

LightMed-CSO SL 950/SL 980 (Integrated SLA)

TruLase Keeler Integrated LIO

Power Control, Wireless FootPedal

Motorized & Fixed Safety Filter for microscopes



www.lightmed.com

USA SALES | LightMed Inc.  
1130 CALLE CORDILLERA | SAN CLEMENTE, CA 92673 | USA  
T: 1-949-218-9555 | F: 1-949-218-9556 | sales@lightmed.com