

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 **LightLas810** 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
- Powerful 2.0W & 4.0W (optional) laser cavity assures exceptional life span and stability of the system
- 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



Dual & Tri Combo Laser Integration

LightLas810 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

LightLas810 comes with an extensive range of Slit Lamp Delivery Adapters (SLA) to suite, Zeiss, Haag-Streit (and clones), and LightMed Laser slit lamps.

- Parfocal 50-50µm 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



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

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	500-3000W
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
sp-mode Settings	<ul style="list-style-type: none"> ○ Duration: 150µs - 600µs (in 50µs increments) ○ Duty Cycle: 7.5% - 30% (in 2.5% increments) ○ Period: 1400µs - 1850µs (in 50µs increments)
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, EN60601-1-1-2, EN606901-2-22, IEC 60825-1 Rev: DCA21006

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



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