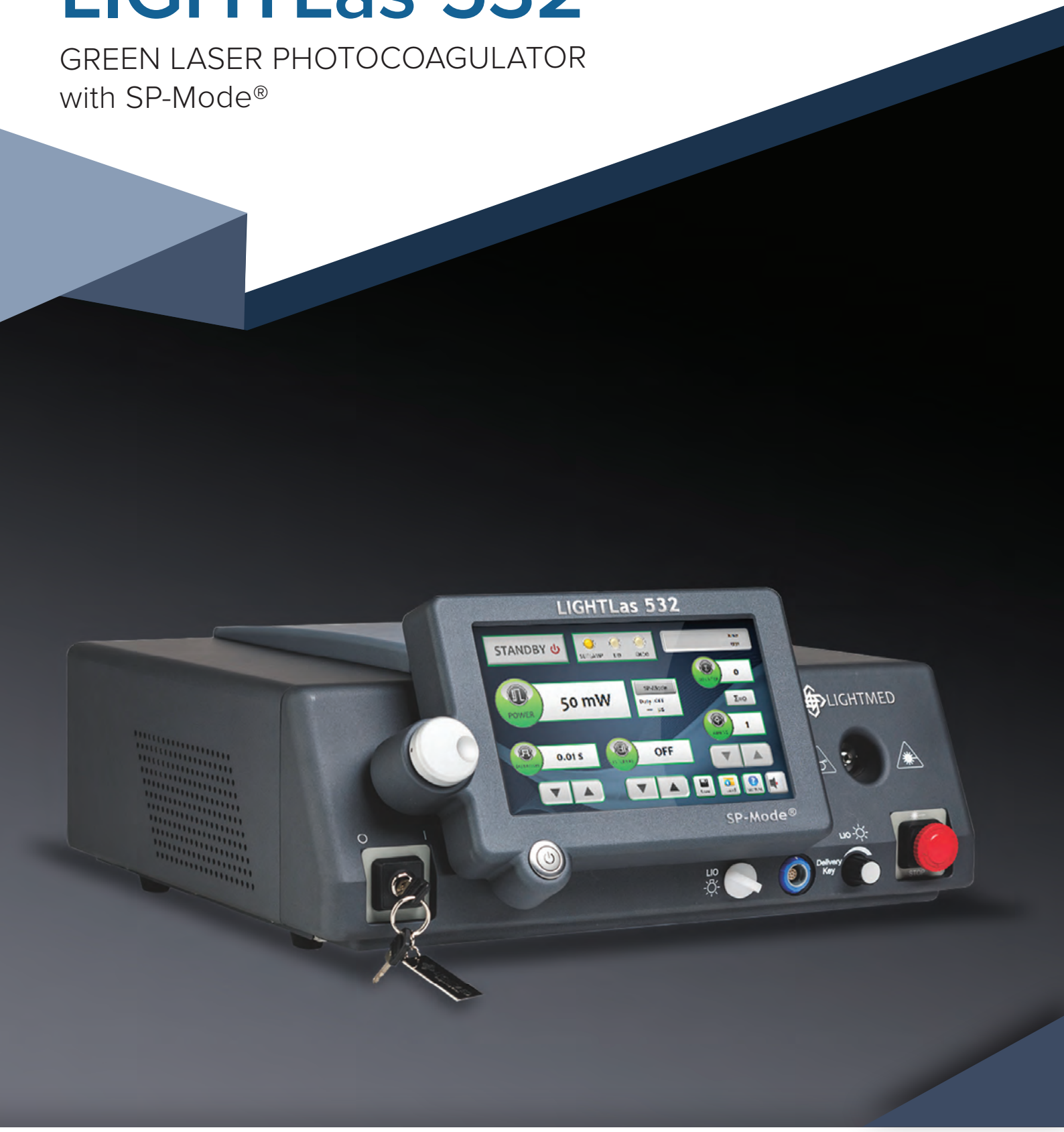
LIGHTLas 532

GREEN LASER PHOTOCOAGULATOR
with SP-Mode®



PROVEN PERFORMANCE
INCOMPARABLE RELIABILITY
INFINITE INTEGRATION

LIGHTMED
Enlightening Vision

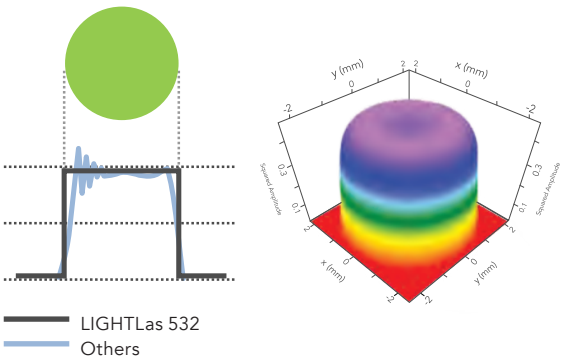
INCOMPARABLE RELIABILITY

With more than 20 years of proven dependability, the LIGHTLas 532 is engineered to withstand daily usage with superior, extended performance.

Consistent Power

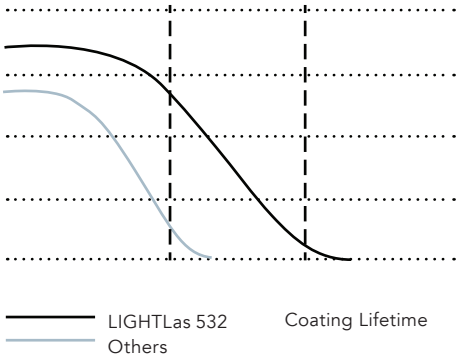
- **Laser Bonding:** Patented design with a 2.0W or 5.0W (optional) laser cavity assures exceptional life span and stability of the system.
- **Instant Duty-Cycle Circularity:** This feature assures stable and uniform treatment profile for maximized clinical outcomes.

Output Stability And Energy Density



- **Superior Laser Crystal Coating:** The advanced coating technology offers 10 times higher damage threshold than most conventional photocoagulators. This superior coating enables advanced energy stability over prolonged use.

Laser Life Span



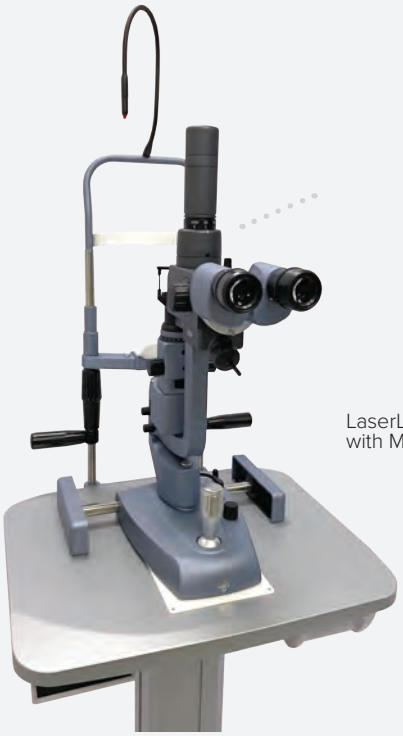
Confident Performance

- **Continuous System Monitoring:** Innovative technology continuously measures and monitors the system to ensure optimal performance.
- **Intuitive Messaging:** Provides immediate, user-friendly notification of an issue in the rare event that the system is not performing at optimal levels.

> “The LIGHTMED combination laser system has proven to be beneficial to all the doctors in our large practice who specialize in various ophthalmic sub-specialties. It’s amazing how one console is able to meet the needs of anterior and posterior doctors. Not only is the laser great but the service LIGHTMED provides is impressive.”
>
> *Lawrence Woodard, MD*
> *Atlanta, GA*

UNMATCHED SIMPLICITY

Efficiently designed to maximize workspace and optimize workflow, the LIGHTLas 532 provides a convenient way to access both the patient and laser controls. The central display is just a glance away and functions with a simple touch.



LaserLink Integrated Slit Lamp with Motorized Stand

Superior Slit Lamp Option

Recognized as one of the world's finest slit lamp laser integration systems, the LIGHTMED system provides outstanding control, increased safety, and enhanced clinical flexibility.

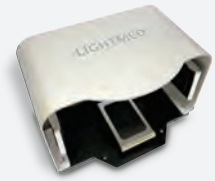
- 50-1000 µm for continuous variable spot size control
- True parfocal optical system provides superior energy distribution and clinical versatility
- Optical design and superior lenses allow a larger field of view and a precise, crystal-clear view of the retina
- Provides an unobstructed, variable working distance between objective lens and patient for improved comfort
- LED slit lamp illumination offers lasting performance with a cooler light for "easier on the eyes" treatments and increased patient comfort

Portable Space-Saving Design

- **Small and Sleek Design:** Compact footprint provides additional workspace and can be easily integrated into any clinic or operating room workstation.
- **Convenient and Portable:** Each LIGHTLas 532 includes a convenient carrying case to easily move between different locations.

Intuitive Touch Screen Technology

- **User-Friendly:** Easy-to-read 7" backlit LCD touch screen includes menus with simple selection and treatment settings.



Wireless Foot Pedal With Power Control

- **Ergonomically Designed:** Foot pedal allows for hands-free operation for increased visual focus. A simple tap adjusts treatment power settings quickly and easily.

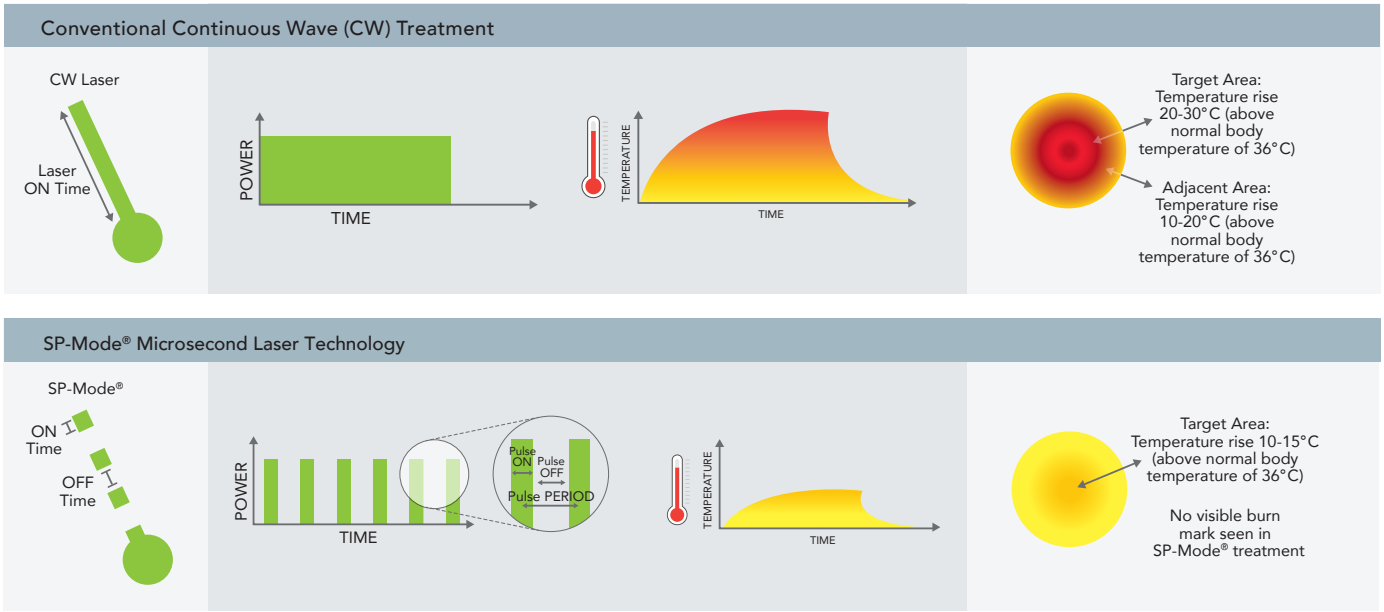
NEXT-GENERATION OPTIONS

To help optimize patient outcomes, LIGHTLas 532 can be used in traditional continuous wave or our exclusive next-generation SP-Mode® Microsecond Laser Technology.

SP-Mode® Microsecond Laser Technology

The latest innovation in LIGHTMED laser therapy, SP-Mode® offers a groundbreaking treatment approach to achieving optimal clinical outcomes. Ongoing studies show that physicians are now able to:

- Eliminate laser-induced thermal tissue damage and treatment side effects
- Deliver a broader range of treatment modalities
- Treat disorders at a much earlier stage
- Provide repeat treatment in retinal and glaucoma applications



LIGHTLas 532 - Green Laser		
GLAUCOMA	• Primary Open Angle Glaucoma	• SP-Mode® Laser Trabeculoplasty (SPLT) • Laser Trabeculoplasty
RETINA	• Proliferative Retinopathy (Diabetic, Retinal Vein Occlusion) • Barricade of Retinal Tears/Lattice Degeneration/Detachments	• Pan Retinal Photocoagulation (PRP) • Retinopexy • Focal Treatment • Grid Treatment • Endophotocoagulation

INFINITE INTEGRATION

LIGHTLas 532 offers a selection of combinations to address retinal and glaucoma diseases. Dual and tri combo laser integration and unique slit lamp option help maximize control, improve safety, and enhance clinical outcomes.

Dual and Tri Combo Laser Integration

LIGHTLas 532 works with the LIGHTLas YAG-V, LIGHTLas SLT and LIGHTLas SLT Deux-V to form a powerful and complete photocoagulator/photodisruptor/SLT workstation—all with vitreolysis.

Range of Slit Lamp Delivery Adapters

Engineered with automatic recognition of delivery devices and treatment modes for simple selection and safer application, the LIGHTLas 532 includes an extensive range of slit lamp delivery adapters (SLAs) to fit most Haag-Streit style (with clones), and LIGHTMED slit lamps.

Keeler Vantage Laser Indirect Ophthalmoscope (LIO) Compatibility

Integrated LED LIO provides unique controls of aperture size and spot positioning for enhanced, precise viewing.

- **Cooler LED Color:** Provides brighter illumination for easier visibility of retinal pathologies.
- **HiMag Lens:** Offers high quality stereoscopic images with 1.6X additional magnification.
- **Intelligent Optical System (IOS):** Allows physician to select one of three aperture sizes, and optics auto-adjust via the IOS.

LIGHTLas 532 TECHNICAL SPECIFICATIONS

Model	**LIGHTLas 532 GREEN LASER PHOTOCOAGULATOR**
Laser System	Diode Pump Solid State (DPSS) true CW and SP-Mode®
Safety Classification	Class 4
Wavelength	532 nm green
Power Output	0.05 – 2.0 W, continuously variable
Max Power at Cornea	2.0 W (Endo, LIO, and SLA at all spot sizes)
Pulse Duration	0.01 – 3.0 s, continuously variable
Pulse Interval	Variable from 0.01 – 3.0 s, and continuous
SP-Mode® Settings (Sub-Threshold Laser Therapy)	**Duration:** 150 µs – 600 µs (in 50 µs increments) **Duty cycle:** 5% – 30% (in 2.5% increments) **Period:** 1400 µs – 1850 µs (in 50 µs increments)
Cooling	Auto Fan & TEC's for Laser & Crystal
Treatment Spot Size	50 - 1000 µm Integrated Version
Aiming Beam	Laser diode 635-650 nm red, 0.1 - <1 mW, max. power 1.0 mW
Slit Lamp Illumination	LED XLamp® XM-L2 2.85 V 10 W
Aiming Laser Safety Classification	Class 2
Dimensions (Laser Console)	13 cm (H) x 36 cm (W) x 33 cm (D) | 5.1 in (H) x 14.5 in (W) x 12.9 in (D)
Weight (Laser Console)	12 kg | 26.4 lbs
Power Requirements	100-230 VAC, 50-60 Hz Auto Ranging

LASER INDIRECT OPHTHALMOSCOPE

Indirect Model	Keeler Vantage
Retinal Spot Size	1100 µm, measured at 280 mm from the front face of the LIO
Illumination Power	From laser console or stand alone power source
Fiber Length	5 m
Weight	800 g
Safety Filter	Fixed filter OD > 5.5 @ 532 nm

Specifications are subject to change without notice. LIGHTMED devices are made strictly in accordance with the international laser safety regulations and standards: EN60601-1, EN60601-1-1, EN60601-1-1-2, EN606901-2-22, IEC 60825-1 REV: DCA 65001

Optional Accessories

- Endoprobes (straight, flexible, illuminated) 20G, 23G, 25G, 27G
- TruSpot Slit Lamp Adaptor (SLA) for Haag-Streit (analogues)
- TruSpot Slit Lamp Adaptor (SLA) for LIGHTLas YAG-V, LIGHTLas SLT, and LIGHTLas SLT Deux-V
- LaserLink Integrated Slit Lamp (SL980)
- Keeler Vantage Laser Indirect Ophthalmoscope (LIO)
- Wireless power control foot pedal
- Motorized and fixed safety filter for microscopes
- Mobile SMART Cart

FDA CE 2460

LIGHTMED
Enlightening Vision

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