

SIMPLE INTEGRATION TO SUITE ALL PRACTICE REQUIREMENTS



Available with a choice of single or dual wavelengths, LIGHTLas TruScan™ is designed for traditional use or highly specialized clinical needs in all types of clinical settings. Its dependable, user-friendly platform helps meet and exceed treatment goals.



Ultimate Versatility

- **Easy Integration:** Works in combination with other LIGHTMED™ delivery devices, such as the TruLase™ Laser Indirect Ophthalmoscope (LIO), and ENO. The console detaches easily for portable use in the operating room, and includes a remote control for convenient use



TruLase Laser Indirect Ophthalmoscope (LIO) Compatibility

- **Precise Viewing:** Integrated LIO provides unique controls of aperture size and spot positioning



Intuitive Joystick Micromanipulator

- **Perfect Precision:** Integrated micro-joystick provides excellent fingertip control and accuracy of treatment spots and patterns to improve treatment outcome and speed



Wireless Foot Pedal With Power Control

- **Ergonomically Designed:** Foot pedal allows hands-free operation and uninterrupted procedures for increased visual focus
- **Easy Positioning:** A simple tap enables adjustment of treatment power settings quickly and easily

Premier Service

- **Best-In-Class Coverage:** Every LIGHTLas TruScan comes with the reassurance of the industry-leading warranty from LIGHTMED
- **Convenient Service:** Assure reduced product downtime with multiple service centers across the US for quick maintenance or in-office repair

Technical Specifications

Model	Yellow 577	Infrared 810	Red 670	Green 532
Power output (on cornea)	2 W	3 W	700 mW	2 W
Wavelength	577 nm (yellow)	810 nm (infrared)	670 nm (red)	532 nm (green)
Laser type	Optically pumped dual diode solid state and SP-Mode™			
Mode of operation	Optically pumped dual diode solid state true continuous wave (CW) and SP-Mode			
Safety classification	Class 4			
Exposure duration	0.01 – 3.0 seconds, continuously variable			
Repeat interval	0.01 – 3.0 seconds and single			
Sub-threshold (SP-Mode) settings (disengaged in 670 nm mode)	<ul style="list-style-type: none"> • 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) 			
Pattern scanning	<ul style="list-style-type: none"> • Single, line, square (2x2, 3x3, 4x4, 5x5), macular arc (single, double, triple, ¼, ½, ¾) • Circle and triangle – spot width, density, and 360° rotation available for each pattern 			
Spot size	<ul style="list-style-type: none"> • Single spot: continuously variable 50 μm – 1000 μm • Scanning patterns: continuously variable 100 μm – 500 μm 			
Aiming beam	Laser diode 635 nm ~ 650 nm (red), 0.1 – 1.0 mW continuously variable			
Cooling system	Fan cooled and TECs for laser diode and crystal			
Dimensions	LIGHTLas TruScan™ console: 12 cm (H) x 38 cm (W) x 40 cm (D) LIGHTLas TruScan on trolley: 90 cm (H) x 45 cm (W) x 46 cm (D) Complete system on table: 75 cm (H) x 120 cm (W) x 42 cm (D)			
Weight	LIGHTLas TruScan console: 10 kg, 22.0 lbs. LIGHTLas TruScan on trolley: 72 kg, 158.7 lbs. Complete system on table: 92 kg, 202.8 lbs.			

Specifications are subject to change without notice. LIGHTMED™ devices are made strictly in accordance with the international laser safety regulations and standards: EN60601-1, EN60601-1-1-2, EN60601-2-22, IEC 60852-1, IEC 60852-1, NBR DCA65001

Optional Accessories

- TruLase™ integrated LIO
- Mobile cart
- Endoprobes & G-probe
- Remote control
- Power control, wireless foot pedal

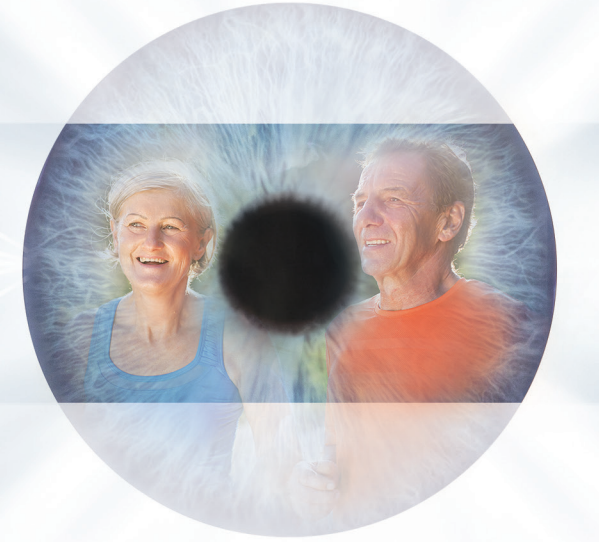


*Green 532 nm, yellow 577 nm, and infrared 810 nm wavelengths are also available as a single spot photocoagulator with sub-threshold technology (SP-Mode). The green 532 nm is available with a 4.0 W cavity for ENT applications.



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THE INNOVATIVE MULTI-WAVELENGTH PATTERN SCANNING LASER



LIGHTLas TruScan™
PATTERN SCANNING PHOTOCOAGULATOR
WITH SP-Mode™

SUPERIOR PERFORMANCE IN FOUR WAVELENGTHS

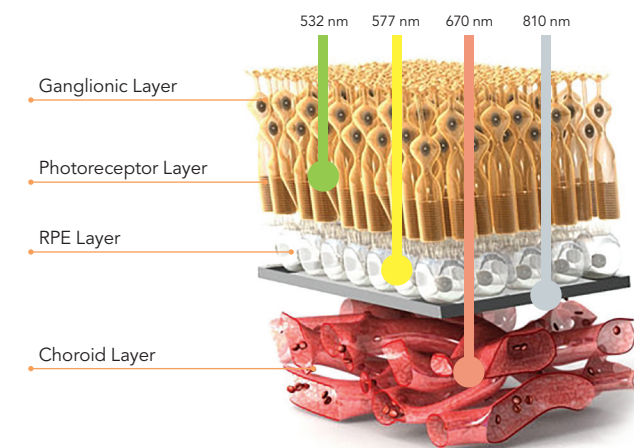


Designed for complete versatility and ultimate performance, LIGHTLas TruScan™ is the only laser in its class with a choice of four customizable wavelength options in single or dual configurations.

Customizable Wavelength Options Enhance Your Investment

LIGHTLas TruScan is also the only laser on the market that allows a physician to obtain the system in single-wavelength form and add an additional wavelength of choice in the future. Available wavelength configurations include:*

- Green — 532 nm
- Green/Infrared — 532 nm/810 nm
- Green/Red — 532 nm/670 nm
- Infrared — 810 nm
- Yellow — 577 nm
- Yellow/Infrared — 577 nm/810 nm
- Yellow/Red — 577 nm/670 nm
- Red — 670 nm



Green 532 nm — Proven To Withstand High-Activity Usage With Superior Long-Term Performance

- **Clinically Proven:** Ideal for a large variety of retinal conditions with melanin as the target chromophore
- **Accurate Targeting:** Pinpoints melanin rich cells of RPE in clear ocular media
- **Immediate Visible Tissue Response:** Allows precise administration of laser power

True Yellow 577 nm — The New Gold Standard In Laser Therapy

- **Absolute Control:** Provides low light scattering in intraocular transit for increased accuracy
- **Reduced Power:** Typically requires 50% less power to achieve the same therapeutic effects as conventional green laser photocoagulation
- **Closer Approach:** Significantly increases the safety margins for macular treatment with immediate access to fovea when compared to 532 nm, 514 nm, or 561 nm/586 nm lasers
- **Minimized Thermal Damage:** Decreased thermal spread to reduce damage

Red 670 nm — Optimal For Choroidal Photocoagulation

- **Minimized Absorption:** Nominal hemoglobin absorption for exceptional penetration of moderate vitreous
- **Precise Application:** Preferable for selective treatment of choroidal vessels without coagulation of retinal vessel

Infrared 810 nm — The Standard For ROP And Transscleral Cyclophotocoagulation

- **Excellent Alternative:** A better option than deep choroid penetration
- **Great Scleral Penetration:** Ideal for transscleral cyclophotocoagulation with Dio Pexy Probe and refractory glaucoma treatment with G-probe

CUSTOMIZABLE PATTERNS AND SPOT SIZES



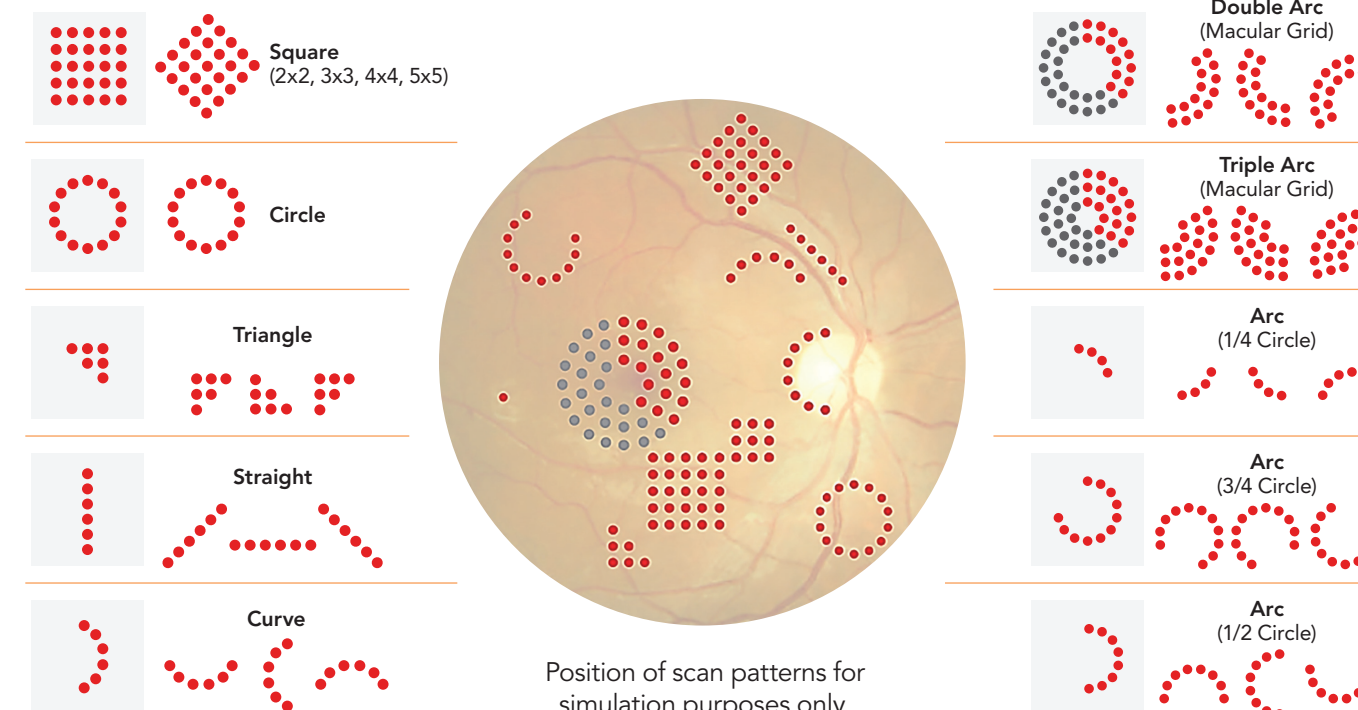
LIGHTLas TruScan™ increases treatment speed, safety, and convenience with a large selection of scanning patterns. Enhance conventional treatment outcomes and your patient's comfort levels with this outstanding pattern scanning laser system.

Advanced LCD Touch Screen Interface

- **Fully Intuitive Platform:** Adjustable treatment parameters and functions, preferred treatment settings storage, language choices, built-in patient database storage capability, built-in user manuals, and easily upgradeable

Consistent Power And Control

- **Beneficial Features:** Continuous parfocal variable, clinically guided spot size controls, excellent optical design and laser cavity technology assure the highest standards of energy density, speed, and precision
- **Range Of Treatment Spot Sizes:** Easily adjust treatment patterns for shape spacing, rotation, and separation varying from 50 µm to 1000 µm (100 µm to 500 µm in pattern scanning mode)



NEXT-GENERATION OPTIONS

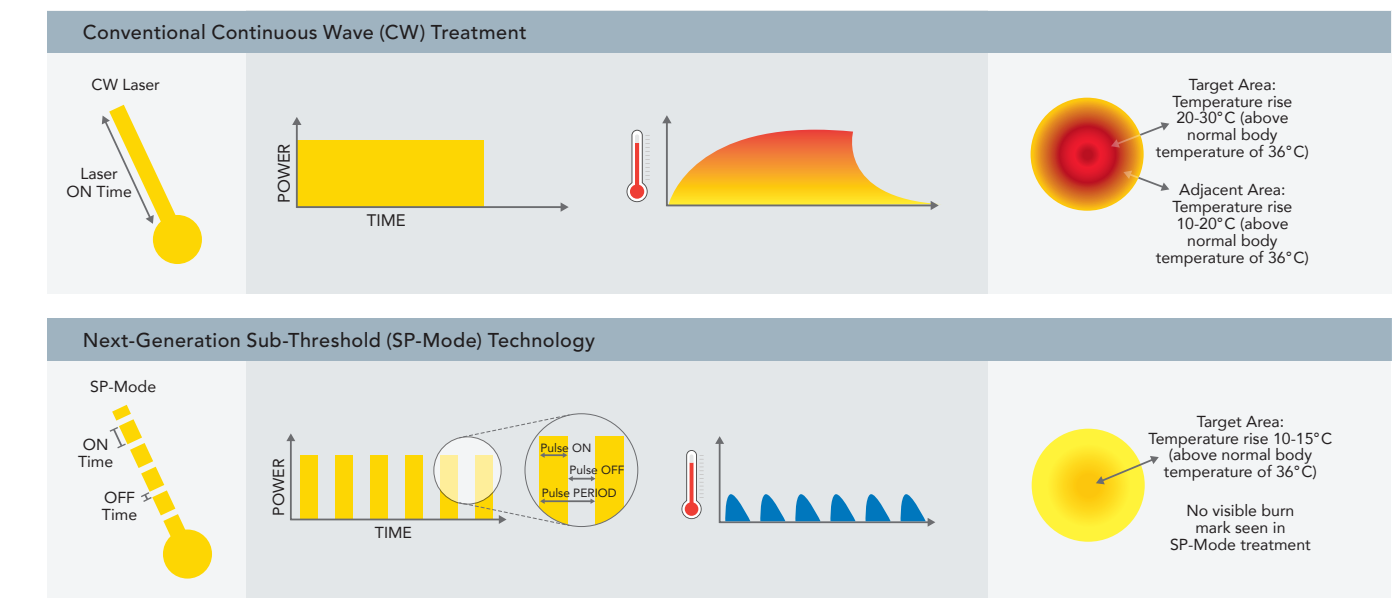


In addition to delivering clinically superior performance, LIGHTLas TruScan™ can help optimize patient outcomes with the use of traditional continuous wave or our exclusive next-generation SP-Mode™ (sub-threshold technology).

Reduce Thermal Damage With Ingenious Sub-Threshold Laser Therapy: SP-Mode

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 be 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



Laser Trabeculoplasty With SP-Mode Reduces Intraocular Pressure In Open-Angle Glaucoma

SP-Mode trabeculoplasty (SPLT) allows significant advantages over traditional argon laser trabeculoplasty (ALT) treatment with:

- **Selective Photothermolysis:** Targets specific cells leaving the surrounding tissue intact
- **Natural Mechanisms:** Stimulation of body's natural mechanisms to enhance outflow of fluid in the eye
- **Better Tolerance:** Painless treatment and no associated systemic side effects when compared to ALT
- **Future Options:** Treatment can be repeated without causing harm or furthering complications