

InSight

Diagnose and Treat
Precision at your Fingertips



RETINA



InSight™

LUMENIS | Vision
Enhancing Life. Advancing Technology.

Passion for Ophthalmic Lasers that Dates Back more than 40 Years!

At Lumenis, we truly understand photocoagulation and laser delivery technologies. That is after all only one of the privileges reserved for the company that pioneered the first Argon Laser photocoagulator for ophthalmology. It is also precisely the reason why the decisive majority of ophthalmologists around the globe have actively chosen to purchase Lumenis photocoagulators and laser delivery devices for the past 40 years - making Lumenis the global market leader and the company with the largest installed-base of ophthalmic laser photocoagulators worldwide.

InSight™

Fully Integrated, Advanced Laser Delivery Technology and Slit Lamp Biomicroscope

InSight represents the latest in retina visualization and laser delivery technology. It successfully addresses some of the well-known challenges in ophthalmic laser delivery devices, namely clear visualization of the retina (including the periphery) and precise laser delivery to the target tissue. Whether you are performing PRP in the periphery or a macular grid in the perifoveal area, your InSight delivers performance you can rely on, time and time again.

Always In Sight





Precision At Your Fingertips

The InSight was designed to elevate performance and precision to new levels - allowing you to customize each treatment and exercise full control throughout the procedure. This ability is achieved through our unique and patented co-linear (CoLin™) design, which projects both illumination and laser beam on the same pathway. The CoLin mechanism is controlled directly through the InSight's integrated joystick, which features our patented AcuGuide™ technology for fine movement and beam manipulation.

With the InSight, complete control is always at your fingertips



Optics

The InSight features high-quality optical system that affords you with optimal field of view during diagnosis and laser delivery. The unit's stereoscopic angle was designed to provide better depth perception and superior peripheral viewing - making the InSight the ideal product for retinal laser procedures.

Illumination & Visualization

The unit's high optical transmission ensures minimal light loss during diagnosis, allowing for better light utilization and ensuring superior visualization and observation of the target site.

Lumenis Laser Technology

Homogeneous laser spot at target tissue

Our advanced optics and laser delivery technology features uniform energy distribution across the entire laser spot area for more precise and safer treatment. The result is a homogenous laser spot with evenly distributed power across the full diameter of the spot, eliminating the potential risk for the formation of "hot spots".

ClearView™ Filters

Optimized view of treatment site

The Lumenis ClearView™ filters' photopic balanced coating eliminates color distortion of the treatment site while optimizing white light transmission or "brightness" of the physician's view. A proprietary coating protects the filter from environmental changes and scratches.

Ergonomic Table

The innovation of the InSight does not stop with the most advanced laser delivery and optics technology. The new InSight table offers true wheelchair accessibility, optimal space utilization and overall stability - by relying on two side columns instead of one. This highly ergonomic table design excels at maximizing both user and patient space, while conveniently maintaining a compact footprint in your office.

The InSight table is equipped with built-in compact storage space for lenses or other accessories and its height can be adjusted using its electronic up/down switch.



SureSpot™ Optics

Sharply defined and evenly distributed power on the retina;
Safe & low-power density at the cornea and the lens

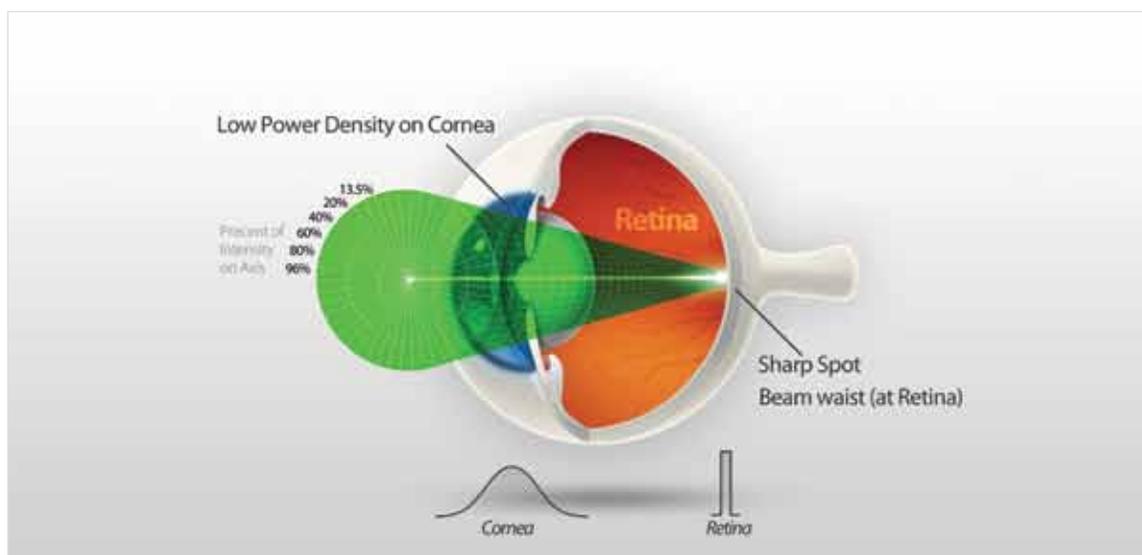
	Defocus Optics	Lumenis Patented SureSpot™ Optics	Parfocal Optics
Titration	YES	YES ✓	NO
Low Power density on the cornea	YES	YES ✓	NO
Sharp spot on retina	NO	YES ✓	YES

As with all Lumenis photocoagulators, the InSight incorporates SureSpot Optics Technology in all Slit Lamp adapters.

The unique and patented SureSpot optics technology from Lumenis ensures that the focal point of the laser beam is maintained on the retina while power density on the cornea and lens is minimized for increased safety.

SureSpot optics also creates a true 50-micron laser spot; that capability distinguishes the Lumenis technology from other lasers that may have a 100-micron minimum spot size and/or project a fuzzy laser spot on the retina.

In essence, SureSpot optics improves treatment efficacy and precision while reducing the potential for damage to anterior-segment tissues. The latter occurrence is especially a concern when using wide-angle lenses that enhance light uptake by the cornea and lens.



Lumenis Vision - Your Preferred Partner

Lumenis Vision is the world leader in laser technologies for ophthalmic applications. Our company offers the widest range of products, an unparalleled product support system, the largest global installed-base of ophthalmic laser products and the largest investment in research and development in our industry.

Since introducing the first laser photocoagulator to ophthalmology in 1970, Lumenis Vision has focused on providing ophthalmologists with innovative laser therapies to preserve and improve the sight of patients worldwide. Lumenis Vision is renowned for technological breakthroughs and a long list of industry gold standards. Our company pioneered the first argon laser photocoagulator for ophthalmology; the first approved marketer of Nd:YAG photodisruptor lasers; developed and introduced the breakthrough technology of multicolor photocoagulation along with the world's first Laser Indirect Ophthalmoscope (LIO); developed and brought to market the revolutionary SLT technology for managing POAG, and more.

Today, Lumenis Vision offers you the confidence of doing business with a company that remains committed to ophthalmology and to meeting your needs.



InSight Specifications

Microscope

Item	Description
Type	Galileian Converging Binocular
Magnification	6 Position Rotating Drum 5 magnifications
Eyepiece	12.5x
Total Magnification	5.5x, 8x, 13x, 20x, 32x
Interpupillary Adjust. (mm)	50-85
Stereoscopic Angle (mm)	8°
Diopter Adjust. (diopter)	±8

Spot Size Range

Item	Description
Spot Size	50 - 1000 micron

Chin Rest

Item	Description
Fixation Lamp	LED
Vertical Movement (mm)	70 mm ±1

Light Source (12v 30w halogen lamp)

Item	Description
Power Requirement	100v - 240v

Slit Illumination

Item	Description
Slit Projection	1X
Slit Width (mm)	0 - 12 Continuously Variable
Slit Length (mm)	12 (1.6 - 12 Continuously Var.)
Aperture Diameter (mm)	0.2, 5, 8, 12
Filters	Blue, Red Free, Heat Absorbing
Slit Rotation	360° Continuous
Working Distance	55 mm Mechanical/Patient's Eye Distance 90 mm Optical axis/Patient's Eye Distance
Travel of Instrument Base	Z vertical 30 mm ±1 X axis 100 mm ±1 Y axis 113 mm ±1
Horizontal Fine Movement	14mm ±0.5

Table

Item	Description
Number of Column	2
Dimension	1280x 622x 756mm (low position)
Wheelchair compatible	Yes
Tabletop Dimension	450 x 1080 mm

Lumenis® Certified Service | Certified Engineers & Parts > Reliable Performance > Superior Value > Satisfied Customers

Optimize your investment in Lumenis' world-leading innovation - choose the industry's largest Service team with the deepest medical laser, light- and RF-based system expertise. Our Customer Engineers are fully certified, trained and updated on Lumenis technology to ensure compliance with government safety and performance standards. As the original manufacturer, we are best equipped to provide service and certified parts to maximize the availability of your critical assets in active clinical settings, throughout your system's lifecycle. We provide thorough and complete system servicing on each maintenance visit, backed by unsurpassed technological expertise and support at the local, regional and company level. Our mission is to deliver a timely and effective response to your system maintenance needs - your satisfaction is our ultimate goal!

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