



| RED AND GREEN SOLID-STATE PHOTOCOAGULATOR |

integreduo™

The only integrated photocoagulator to combine visible red and green wavelengths.

RED AND GREEN SOLID-STATE PHOTOCOAGULATOR

The Integre Duo™ is the first solid-state photocoagulator to deliver clinically proven 670nm red and 532nm green wavelengths in a streamlined, integrated design. This advanced laser system makes it possible for you to instantly switch between red and green wavelengths for seamless retina treatments. This not only maximizes treatment flexibility, but ensures effective patient results.

For common procedures like retinal photocoagulation, laser trabeculoplasty and iridotomy, the Integre Duo's green wavelength provides the standard of care. The red wavelength produces less scatter for better transmission through a cloudy cornea or lens, provides deeper penetration for effective treatment of choroidal vessels, and enables you to treat in the presence of a minor hemorrhage. With the Integre Duo™ from Ellex, you will experience greater control, precision and efficiency while delivering maximum care to your patients.



Indications for use

Retina Retinal Photocoagulation

Glaucoma Laser Trabeculoplasty
Laser Iridotomy

Diagnose and Treat with the Best

Ellex is dedicated to advancing the role of ophthalmic technology through a line of premium laser and diagnostic ultrasound systems. We engineered our first high-performance ophthalmic laser in 1985, and in 2008 joined with ophthalmic ultrasound pioneers Innovative Imaging, Inc. With more than 15,000 systems delivered to hospitals, clinics and ophthalmic practices worldwide, Ellex is known for its superior quality and commitment to customer care.

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Integre Duo™ Features and Benefits

Designed to Maximize Your Workflow

Ellex has integrated the laser and slit lamp for greater efficiency and reliability, as well as for improved ease of use.

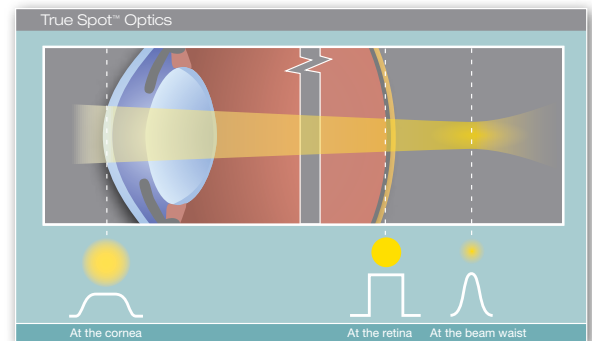
The Integre Duo's compact, efficient design provides you with additional working space and convenient, simultaneous access to the patient and laser controls.

Greater Efficiency at the Touch of a Button

Designed to make photocoagulation procedures as efficient as possible, the Integre Duo™ multi-color laser incorporates a number of industry firsts, including a unique single pump, dual-mode laser cavity design – allowing you to instantly switch between red and green wavelengths at the touch of a button.

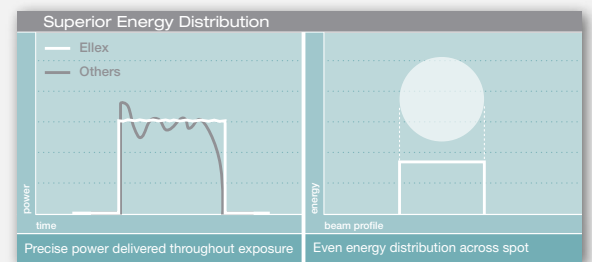
True Spot™ Optics

The Integre Duo's True Spot™ optical system ensures that you are able to work with a uniform, sharp-edged, top-hat beam on the retina with the comfort of low power density at the cornea.



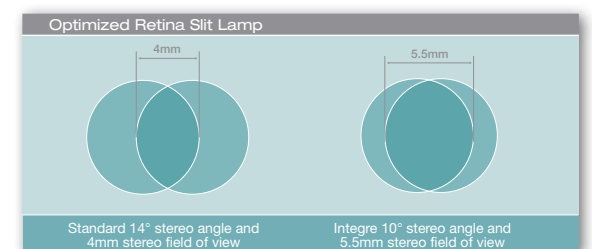
Superior Energy Distribution

The Integre Duo™ delivers even energy across the full diameter of the spot, from the beginning to the end of exposure, without creating hot spots. This is because we use the highest quality optics and laser components in the industry, with real-time, active light feedback that continuously monitors and adjusts power output throughout each exposure.



Superior Viewing

The Integre Duo's unique, 10-degree convergence angle viewing path and high-resolution optics improve depth perception and create a better stereo angle for superior peripheral viewing.





One Powerful Vision

Accessories and Options

Power Control™ Footswitch

(optional accessory)

Adjust critical treatment parameters while maintaining hands-on control of the slit lamp – without disturbing your view of the retina.



Laser Indirect Ophthalmoscope (LIO)

(optional accessory)

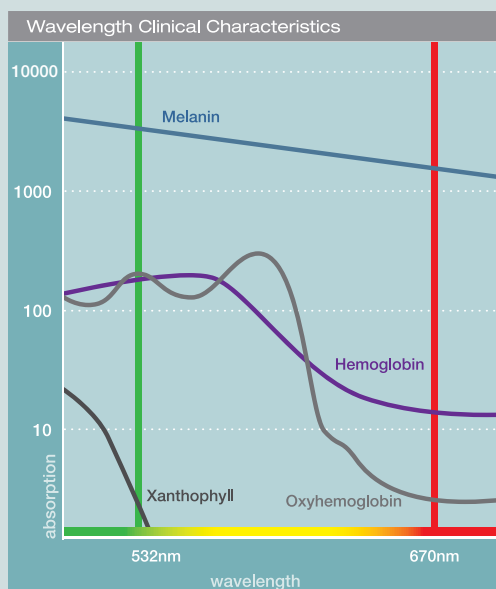
This lightweight-design LIO is based on the Heine Omega 180 binocular indirect ophthalmoscope, with coaxial laser beam and illumination.



Total Solution™ Tables

(optional accessory)

Ellex Total Solution™ tables are designed to meet the needs of any environment – with the added benefit of comfort, flexibility and an optimized patient-surgeon interface.

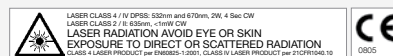


Product Specifications

Laser Source	single diode, dual cavity, solid-state
Wavelength	red: 670 nm, green: 532 nm
Power to the Cornea	red: 1 watt, green: 1.5 watts
Exposure Time	0.01 to 4.0 seconds
Spot Size	50 to 1000 µm, continuously variable
Repeat Mode	up to 10 hertz
Aiming Beam	red 635nm, adjustable intensity
Micromanipulator	ambidextrous, vibration damped
Magnification	6x, 10x, 16x, 28x, 45x
Electrical Requirements	100–240 VAC, 50/60 Hz, 800 VA
Cooling	air cooled
Weight	42kg, 93 lbs. (laser only)
Dimensions (HxWxD)	62 x 92 x 51 cm, 24 x 36 x 20 inches (laser only)
Standard Accessories	footswitch, Total Solution™ tables, remote control, safety glasses, laser safety sign, dust cover, motorized safety filter
Optional Accessories	LIO, Power Control™ footswitch, beam splitter, co-observation tube, 35mm camera adapter, video camera adapter, tonometer mount, photocoagulation laser lenses

Specifications are subject to change without notice.

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