



| INTEGRATED SOLID-STATE PHOTOCOAGULATOR |

integre®

The first green laser to  
optimally integrate the  
slit lamp.



integre.

integre.

The Ellex Integre is the first and only solid-state green laser that incorporates the laser cavity and slit lamp in an efficient, self-contained design. Because the laser cavity is a fully integrated component of the Integre system, the beam has a shorter distance to travel, delivering more stable, reliable and consistent energy. This integration also minimizes system down time because there are no exposed fiber optic cables to accidentally damage.

The Ellex Integre features a unique True Spot™ optical system that delivers a sharp-edged, uniform laser spot. The result is consistent and repeatable tissue effect for precise treatment of a number of retinal conditions.



**Indications for use**

**Retina**

Retinal Photocoagulation

**Glaucoma**

Laser Trabeculoplasty  
Laser Iridotomy

**Why You Should Buy Your Laser from Ellex**

Ellex engineered its first high-performance ophthalmic laser in 1985, and today is the only laser manufacturer focused solely on the ophthalmic market. Ellex manufactures and sells a complete line of solid-state laser systems for treating cataract, retina and glaucoma patients. In all, more than 12,000 Ellex-manufactured lasers are in use worldwide.

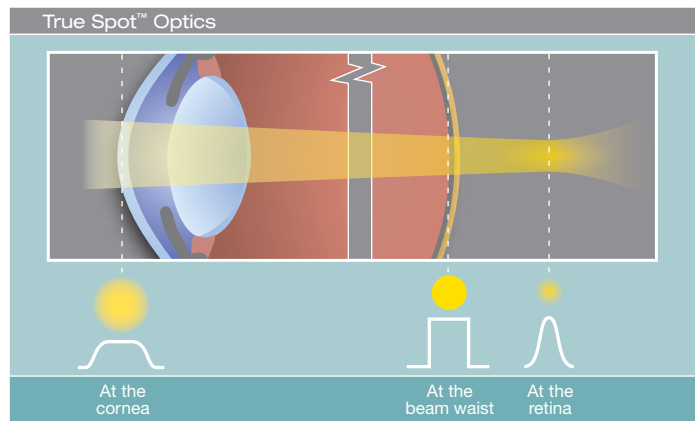
## Why the Integre design is superior

### Built-In, Fully Integrated Design

Ellex's fully integrated design optimizes laser treatment and provides a number of advantages, including a shorter travel distance for the laser beam and more stable, reliable and consistent delivery of energy. The Integre's compact, efficient design creates more working space for the physician, as well as convenient, simultaneous access to the patient and laser controls.

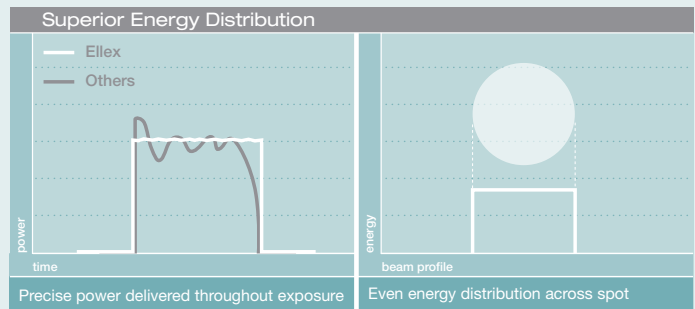
### True Spot™ Optics

The True Spot™ optical system offers a uniform, sharp-edged top-hat beam on the retina, providing the benefits of a parfocal system, with the added comfort of low power density at the cornea.



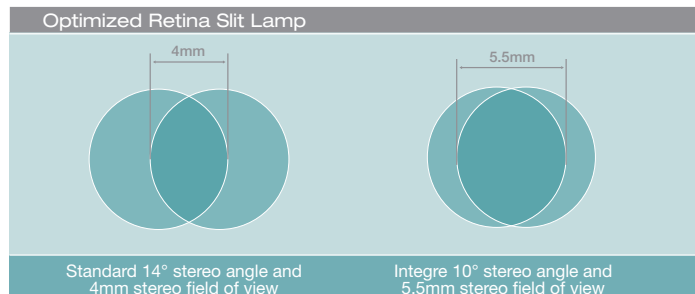
### Superior Energy Distribution

Ellex lasers are manufactured with the highest quality optics and laser components available in the industry, with real-time energy control that continuously monitors and adjusts power output throughout each exposure. The result is even energy delivery from beginning to end of exposure, across the full diameter of the spot, without creating hot spots.



### Optimized Retina Slit Lamp

The Integre slit lamp combines a unique 10-degree convergence angle of viewing paths with high-resolution optics to create better depth perception and an improved stereo angle for superior peripheral viewing.





ellex

Our sole focus is ophthalmology. Our technology is extraordinary.

## Integre Features and Options



### Power Control™ footswitch

Increase or decrease energy while maintaining hands-on control of the slit lamp.



### Laser Indirect Ophthalmoscope (LIO)

Lightweight design based on the Heine Omega 180 binocular indirect ophthalmoscope with coaxial laser beam and illumination.

### Total Solution™ tables

Ellex Total Solution tables are designed to meet the needs of any environment.

### High-visibility eye safety filter

Custom notch coating provides a clear view while protecting the operator from the treatment beam.

## Product Specifications

Laser Source	diode-pumped solid-state
Wavelength	green: 532 nm
Power to the Cornea	50 to 1500 mW
Exposure Time	0.01 to 4.0 seconds
Spot Size	50 to 1000 microns, continuously variable
Repeat Mode	up to 10 hertz
Aiming Beam	red diode, adjustable intensity
Micromanipulator	ambidextrous, vibration damped
Magnification	6x, 10x, 16x, 28x, 45x
Electrical Requirements	100–240 VAC, 50/60 Hz, 250 VA
Cooling	air cooled
Weight	51kg, 112 lbs. (as shown)
Dimensions (HxWxD)	140 x 92 x 51 cm, 55 x 36 x 20 inches (as shown)
Standard Accessories	Total Solution™ tables, remote control, footswitch, safety glasses, laser safety sign, dust cover
Optional Accessories	LIO, beam splitter, co-observation tube, 35mm camera adapter, video camera adapter, transport cases, photocoagulation laser lenses, tonometer mount, motorized safety filter

Specifications are subject to change without notice.

© 2008, Ellex Medical Pty Ltd. Ellex, Integre, True Spot, Total Solution are trademarks of Ellex Medical Pty Ltd. E&OE. PB0002D



ellex

ellex.com

### Headquarters

82 Gilbert Street  
Adelaide, SA, 5000 AUSTRALIA  
+61 8 8104 5200

### Japan

4-3-7 Miyahara 4F, Yodogawa-ku  
Osaka 532-0003 JAPAN  
+81 6 6396 2250

### USA

7138 Shady Oak Road  
Minneapolis, MN, 55344 USA  
1 800 824 7444

### Europe Support Center

108, avenue Marx Dormoy  
63000 Clermont-Ferrand FRANCE  
+33 4 73 34 18 55