

| INTEGRATED YELLOW LASER |

integreyellow™

The first yellow laser  
to feature high-power  
output and a fully  
integrated slit lamp.

The Ellex Integre Yellow™ is the first and only high-power yellow laser that integrates the laser cavity and slit lamp for greater efficiency and reliability. This fully integrated design provides you with additional working space and convenient, simultaneous access to the patient and laser controls. It also minimizes system downtime, because there are no exposed fiber-optic or electrical cables to accidentally damage.

Designed for retinal practices and multi-specialty clinics, the Integre Yellow™ combines a proprietary, diode-pumped solid-state cavity design with the highest quality laser components in the industry. The result is efficient energy delivery and exceptional wavelength stability, which allows you to treat with up to 1.5 watts of high-power 561 nm yellow.

The Integre Yellow™ includes an optimized retina slit lamp with a 10-degree convergence angle of viewing paths, and high-resolution optics that improve depth perception and provide optimal illumination of the fundus and superior peripheral viewing.



## 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.

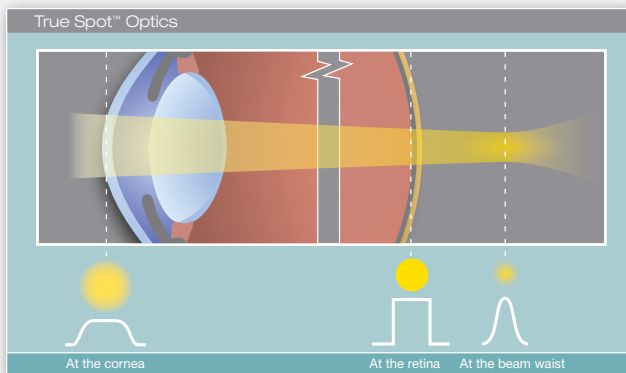
## Integre Yellow™ Features and Benefits

### Superior Energy Distribution

The Integre Yellow™ 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.

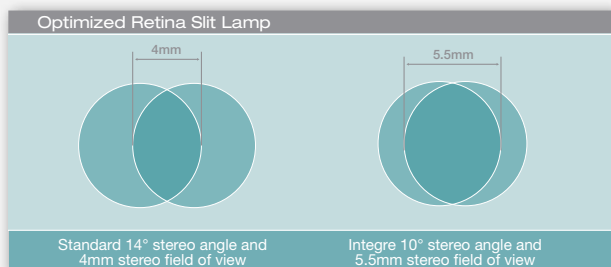
### True Spot™ Optics

The Integre Yellow™ features the Ellex True Spot™ optical system, providing you with a uniform, sharp-edged, top-hat beam on the retina with the comfort of low power density at the cornea.



### Superior Viewing

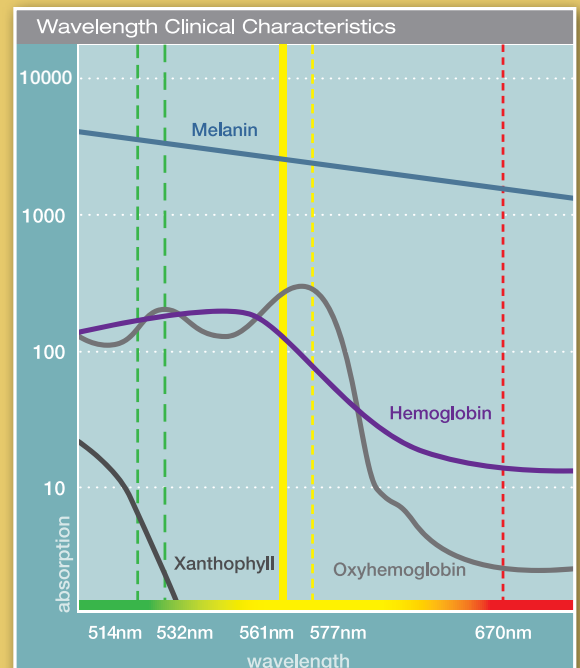
The Integre Yellow's unique, 10-degree convergence angle of viewing paths and high-resolution optics improve depth perception and create a better stereo-angle for superior peripheral viewing.



## 561 nm Yellow Technology

The 561 nm yellow wavelength creates a more predictable, controlled retinal burn than 514/532 nm green wavelengths. This results in low scotoma formation, which provides for better control over the laser-tissue interaction. It also produces less scatter, which means superior transmission through existing opacities and improved tissue targeting. Because it is not absorbed by xanthophyll, 561 nm yellow is ideal for treatments in and around the macula. It is suitable for performing all common 514/532 nm green laser procedures, including iridotomies and laser trabeculoplasty.

The Integre Yellow's innovative cavity design overcomes the thermal problems of conventional yellow laser cavity designs, enabling it to achieve up to 1.5 watts of power output. A Digital Signal Processor (DSP) continually adjusts the pump diode current in real-time to ensure constant power output, contributing to consistent, stable high-power yellow output.





One Powerful Vision

## Accessories and Options

### On-Demand System Control

In addition to the ambidextrous laser controls on the slit lamp, there are several ways to control the Integre Yellow's key parameter settings with speed and ease:

#### 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.



#### Remote Control

(standard accessory)

Adjust critical treatment parameters in a dimly lit treatment room using the back-lit remote control with user-friendly interface.



### 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, the Total Solution™ range of tables enable you to meet the alignment needs of even your most challenging patients.

- Wheelchair accessible, mobile
- Wheelchair accessible
- Mobile



### Motorized Eye Safety Filter

(standard accessory)

The motorized safety filter features a custom high-quality coating that ensures a clear, color-balanced view while ensuring optimal protection from the treatment beam, together with quiet and quick operation.

## Product Specifications

Laser Source	diode-pumped solid-state
Wavelength	yellow: 561 nm
Power to the Cornea	up to 1500 mW
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 635 nm, 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	39 kg, 86 lbs. (laser only)
Dimensions (HxWxD)	62 x 71 x 51 cm, 24 x 30 x 20 inches (laser only)
Standard Accessories	remote control, footswitch, table extension wings, motorized safety filter, safety glasses, laser safety sign, dust cover
Optional Accessories	Total Solution™ tables, Power Control™ footswitch, beam splitter, co-observation tube, 35mm camera adapter, video camera adapter, tonometer mount, isolation transformer (UPS, 240V, 1000VA), photocoagulation laser lenses

Specifications are subject to change without notice.

© 2011, Ellex Medical Pty Ltd. Ellex, Integre Yellow, True Spot, Total Solution, Power Control are trademarks of Ellex Medical Pty Ltd. E&OE. PB00018B



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  
800 824 7444

#### Germany

Ostring 45  
63533 Mainhausen GERMANY  
+49 6182 9292 95

#### Australia

Suite 2, Ground Floor, 18-20 Orion Road  
Lane Cove, NSW, 2066 AUSTRALIA  
1800 817 920

#### Europe Support Center

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