Full-featured, portable green laser for the clinic and operating room.

Product Specifications

Laser Source
chopper pumped solid-state

Wavelength
green: 532 nm

Output Power
Single Port Configuration
slit lamp: 50 - 1200 mW
endo probe: 50 - 1500 mW

Dual Port Configuration
slit lamp: 50 - 1500 mW
endo probe: 50 - 2000 mW

Exposure Time
0.01 to 4.0 seconds

Repetitive Rate
up to 10 hertz

Beam Diameter
red: 0.3 mm, adjustable manually

Electrical Requirements
100–240 VAC, 50/60 Hz, 800 VA

Cooling System
air-cooled

Weight
7.4kg, 17 lbs. (console only)

Dimensions
(HxWxD) 14 x 28 x 37 cm, 5.5 x 11 x 15 inches

Accessory Options
Slit Lamp Adapters
Wide range of adapters to suit Ellex SOLITARE™, Zeiss 30SL, and OPMI SL130 to suit various slit lamps.

Laser Indirect Ophthalmoscope (LIO)
This lightweight design is based on the three-channel SOLITARE™ indirect ophthalmoscope and incorporates laser and illumination.

Endo Probes
Endo probes (straight, curved, aspirating and illuminating) and operating room microscope safety filters.

High-Visibility Eye Safety Filter
The eye safety filter features a custom high-quality coating that ensures a clear, color-balanced view while ensuring optimal/safe protection from the treatment beam.

Table Mount
Custom mount designed to securely attach the SOLITARE to a table. Adjustable tilt for easy viewing and access to controls.

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

Specifications are subject to change without notice.

The Ellex 30XL™ Laser 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 retina viewing.

Optimized Retina Slit Lamp
4mm
5.5mm

Standard 14º stereo angle and 4mm stereo field of view

Ellex 30XL 10º stereo angle and 5.5mm stereo field of view

Magnification
5x, 8x, 12.5x, 20x, 31x with 12.5x eyepieces (±5 D compensation range)

Field of View
45-7 mm in diameter

Convergence Angle
10 degrees

Working Distance
119 mm, in patient’s eye

Illumination
15 x 30 W halogen lamp, more than 150,000 lux

Brightness
4mm field, 4W max, continuously adjustable

Slit Width
0-10 mm, continuously adjustable; index markings 0.1/0.3/0.5/1.0 mm

Slit Rotation
± 90 degrees

Slit Deviation
± 7 degrees horizontal

Stage
110 mm rails, 110 mm longitudinal, 150 mm transverse

Vertical Adjustment of Chile Base
73 mm

Height
14 kg, 31 lbs.

Electrical Requirements
100-240 VAC, 50/60 Hz, 800 VA

Filters
Heat Absorb (HA); Red-Free (RG); Cobalt Blue (CB)

The Ellex 30XL™ Laser Slit Lamp is not available for sale in Australia.
Full-featured, portable green laser for the clinic and operating room.

Product Specifications
- Laser Source: single pumped solid-state
- Wavelength: green, 532 nm
- Power Delivery: single port configuration
  - slit lamp: 50 - 1200 mW
  - endo probe: 50 - 1500 mW
- Dual port configuration
  - slit lamp: 50 - 1500 mW
  - endo probe: 50 - 2000 mW
- Exposure Time: up to 4 seconds
- Repeat Mode: up to 10 hertz
- Aiming Beam: red 635 nm, adjustable intensity
- Electrical Requirements: 100–240 VAC, 50/60 Hz, 800 VA
- Cooling: air cooled
- Weight: 7.4kg, 17 lbs. (console only)
- Dimensions (HxWxD): 14 x 28 x 37 cm, 5.5 x 11 x 15 inches (console only)

Standard Accessories
- footswitch, safety glasses, laser safety sign

Optional Accessories
- Power Control™ footswitch, photocoagulator laser lenses, tonometer mount for Haag-Streit and similar slit lamps, beam splitter, co-observation tube, camera adapter for various slit lamps, transport case

Specifications are subject to change without notice.

VERSATILE GREEN LASER

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LASER CLASS 4 / IV DPSS: 532nm, 3W (max), 4 Sec (max single pulse)
LASER CLASS 2 / II: 635nm, <1mW (max) CW
LASER RADIATION AVOID EYE OR SKIN EXPOSURE TO DIRECT OR SCATTERED RADIATION
CLASS 4 LASER PRODUCT per EN60825-1:2001, CLASS IV LASER PRODUCT per 21CFR1040.0805

Optimized for Retina
The Ellex 30XL™ Laser Slit Lamp combines a unique 10-degree convergence angle of viewing paths with high-resolution optics to create better depth perception and an improved viewing angle for superior posterior retinal viewing.

The Ellex 30XL™ Laser Slit Lamp is not available for sale in Australia.
The Ellex Solitaire™ is a high-powered, full-featured green laser system designed for portability and versatility in both clinics and operating rooms. With the Solitaire™, you can count on optimum performance. The system features a true continuous wave laser beam and real-time energy control that ensures consistent delivery of energy throughout the selected exposure time. The compact and efficient Solitaire™ can be configured with a dual-fiber port that allows two delivery systems to be connected at the same time, and provides automatic device detection. These memory options enable storage of frequently used procedure settings. If you prefer a turnkey approach, the Solitaire Solution™ package combines the Solitaire™ with a wide range of industry-standard delivery systems and accessories configured to meet the widest variety of patient needs and to optimize practice efficiency.

**Solitaire™ Features and Benefits**

**Switch While Staying Connected**
Optional dual-fiber ports allow you to easily switch between two delivery systems without disconnecting and connecting fibers to the laser console.

**Easy, Recall and Fast Set-Up**
The Solitaire™ features a programmable procedure memory that allows you to pre-set and store three different sets of parameters, which are quickly and easily accessed from the front panel of the system.

**True Spot™ Optics**
The Solitaire’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 Solitaire™ 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.

**OR Solution**
- **Dual Port Configuration**: Switch between endo-probe and LIO with the push of a button.
- **Procedure Memory**: Quick programs with pre-programmed settings.
- **Power Control™ Footswitch**: Hands-free power adjustment.

**Clinic Solution**
- **30XL™ Laser Slit Lamp**: The 30XL™ laser slit lamp combines a 10-degree convergence angle viewing path and high-resolution optics to provide optimal illumination of the fundus and superior peripheral viewing.
- **True Spot™ Optics**: Uniform, sharp-edge top-hat beam on retina with low power density at the cornea.

**Indications for use**
- **Retina**
  - Retinal Photocoagulation
- **Glaucoma**
  - Laser Trabeculoplasty
- **Laser Iridotomy**

**Miscellaneous**
- **Endo Probes Laser Indirect Ophthalmoscope**
- **High-Velocity Eye Safety Filter**
- **Slit Lamp Adapters** (to suit Zeiss, Haag Streit and clones)
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.

**Solitaire™ Features and Benefits**

**Switch While Staying Connected**
Optional dual-fiber ports allow you to easily switch between two delivery systems without disconnecting and connecting fibers to the laser console.

**Easy, Recall and Fast Set-Up**
The Solitaire’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.

**True Spot™ Optics**
The Solitaire’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.

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**Indications for use**
- Retina Photocoagulation
- Glaucoma Laser Trabeculoplasty
- Laser Iridotomy

**30XL™ Laser Slit Lamp**
The 30XL™ laser slit lamp combines a 10-degree convergence angle viewing path and high-resolution optics to provide optimal illumination of the fundus and superior peripheral viewing.

**True Spot™ Optics**
Uniform, sharp-edged top-hat beam on retina with low power density at the cornea.
Indications for use

Diagnosis and Treat with the Best


diabetic retinopathy

glaucoma

Solitaire™ Features and Benefits

Switch While Staying Connected
Optional dual fiber ports allow you to easily switch between two delivery systems without disconnecting and connecting fibers to the laser console.

Easy, Recall and Fast Set-Up
The Solitaire™ features a programmable procedure memory that allows you to pre-set and store three different sets of parameters, which are quickly and easily accessed from the front panel of the system.

True Spot™ Optics
The Solitaire’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 Solitaire™ 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.

30XL™ Laser Slit Lamp
The 30XL™ laser slit lamp combines a 10-degree convergence angle viewing path and high-resolution optics to provide optimal illumination of the fundus and superior peripheral viewing.

True Spot™ Optics
Uniform, sharp-edged top-hat beam on retina with low power density at the cornea.

PREMIER GREEN LASER FOR THE CLINIC AND OR

OR Solution

Dual Port Configuration
Switch between endo probe and LIO with the push of a button.

Procedure Memory
Quickly retrieve and set programmed settings.

Power Control™ Footswitch
Hands-free power adjustment.

Clinic Solution

30XL™ Laser Slit Lamp
The 30XL™ laser slit lamp combines a 10-degree convergence angle viewing path and high-resolution optics to provide optimal illumination of the fundus and superior peripheral viewing.

True Spot™ Optics
Uniform, sharp-edged top-hat beam on retina with low power density at the cornea.
Full-featured, portable green laser for the clinic and operating room.

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Accessories and Options

**SIL Lamp Adapters**

- Wide range of adapters to suit Ellex USA™, Zeiss 3010, and Storz 800R/800G and similar SIL lamps.

**Intraocular Optical Coherence Tomography (OCT)**

- OCT compatible with OCT compatible OCT machine.

**Intraocular Lens**

- Various intraocular lenses for different surgical procedures.

**LASER PRODUCT**

- Laser Class 4 IV DPSS: 532nm, 3W (max), 4 Sec (max single pulse)
- Laser Class 2 II: 635nm, <1mW (max) CW

**LASER RADIATION AVOID EYE OR SKIN EXPOSURE TO DIRECT OR SCATTERED RADIATION**

**CLASS 4 LASER PRODUCT** per EN60825-1:2001, CLASS IV LASER PRODUCT per 21CFR1040.0805

**Optimized for Retina**

The Ellex 30XL™ Laser SIL 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 retina viewing.

**Optimized Retina SIL Lamp**

- Standard 14º stereo angle and 4mm stereo field of view
- Ellex 30XL 10º stereo angle and 5.5mm stereo field of view

**Magnification**

- 5x, 8x, 12.5x, 20x, 31x with 12.5x eyepieces (±5 D compensation range)

**Field of View**

- 45-7 mm in diameter

**Stereoscopic Angle**

- 10 degrees

**Working Distance**

- 110 mm, contoured to patient's eye

**Illumination**

- 15 x 95 W halogen lamp, more than 150,000 lux

**Illumination Requirements**

- 12 V, 30 W halogen lamp, more than 150,000 lux

**Brightness**

- Continuously adjustable

**Slit Width**

- 0-10 mm, continuously adjustable, index markings 0.1/0.5/1.0/1.5 mm

**Slit Rotation**

- ±90 degrees

**Vertical Adjustment of Ophthalmoscope**

- 75 mm

**Weight**

- 14 kg (31 lbs)

**Electrical Requirements**

- 100-240 VAC, 50/60 Hz, 98 VA

**Filters**

- Heat Absorb (HA); Red-Free (G); Cobalt Blue (B)

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**Ellex 30XL™ Laser Slit Lamp**

*The Ellex 30XL™ Laser Slit Lamp is not available for sale in Australia.*