With Unique Heads Up Display the Physician does not Lose Sight of the Patient's Retina

Heads Up Display

Heads up display shows changes of settings as text on the retina, seen through the oculars of the slit lamp.

3D Micromanipulator

The Array 3D Micromanipulator allows the adjustment of laser power, number of spots, titrate mode and micromanipulation of the laser beam - all in the palm of your hand.

Intuitive Touch Screen

Intuitive touch screen duplicates the functions of the laser's remote control. The fully adjustable monitor can be set on either side of the slit lamp. It is easily reached and visualized for treatment set up and during the procedure.

Lumenis Array™ LaserLink™ Specifications

Patterns	Single spot, square, line, triangle, circle, quarter circle, half circle
Spot Size	Single spot: 50,100, 125, 150, 175, 200, 250, 300, 400, 500,1000 µm 3-ring quarter circle and 3-ring half circle: 100 µm and 200 µm Other Patterns: 100, 125, 150, 175, 200, 250, 300, 400, 500 µm
Spot Spacing	Single-ring circle: x 0.0, 0.25, 0.50, 0.75, 1.00, 1.50, 2.00, 2.50, 3.00 Other patterns: x 0.25, 0.50, 0.75, 1.00, 1.50, 2.00, 2.50, 3.00
Spot Duration	10, 20, 30, 40, 50 ms for pattern | 10 - 3000 ms for single spot
Power	532 nm: 50 - 2000 mW | 577 nm: 50 - 1500 mW I 659 nm: 50 - 800 mW*
Compatible lasers	
Vision One	532 nm (green) | 577 nm (yellow) | 659 nm (red)*
Novus Spectra / Spectra DP	532 nm (green)
Compatible slit lamps	
Off Axis Illumination Slit Lamps	Lumenis 980 | Zeiss 30SL | Zeiss SL130
Electrical requirements	100 - 240 VAC, 50/60 Hz, 150 W max
General specifications	
Weight	Console: 3.5 kg | Array LaserLink™ Module: 5 kg
Equipment classification	US Class II, EU Class I

* Relevant only for single spot

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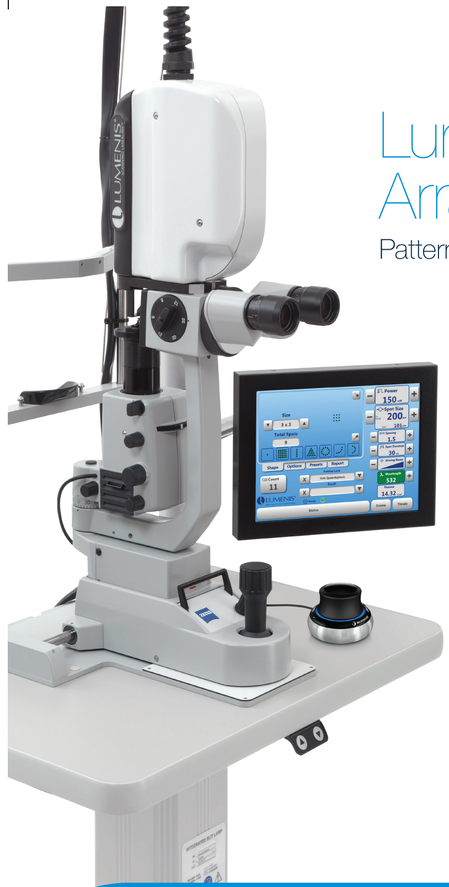
www.lumenis.com/Ophthalmology

Lumenis® Energy to Eye Care

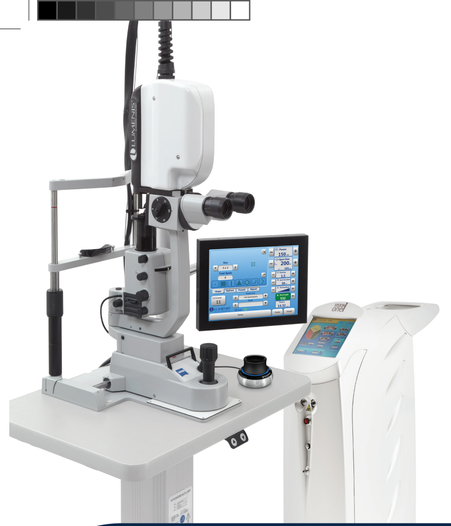


Lumenis Array™ LaserLink™

Pattern Scanning Laser Technology

Array™ LaserLink™

Lumenis® Energy to Eye Care



Array™ LaserLink™

Pattern Scanning Laser Technology

Pattern Scanning Laser can reduce photocoagulation treatment time by as much as 60%*

Pattern scanning laser provides enhanced uniformity of laser application, shorter treatment time, and less discomfort to the patient.

The Array™ LaserLink™ offers pattern scanning capabilities compatible with Lumenis laser systems and popular slit lamps, versatility of wavelengths, various adjustable patterns and a range of laser spot sizes.

Compatibility

Links with Lumenis lasers:

- Vision One
- Novus Spectra

Attaches to most popular slit lamps:

- Lumenis 980
- Zeiss SL130
- Zeiss 30SL

Versatility

With Lumenis multi-wavelength technology, Array™ delivers any of the following wavelengths:

- Green: 532 nm
- Yellow: 577 nm
- Red: 659 nm

Array treatment options:

- Single spot
- Pulse mode
- Various patterns

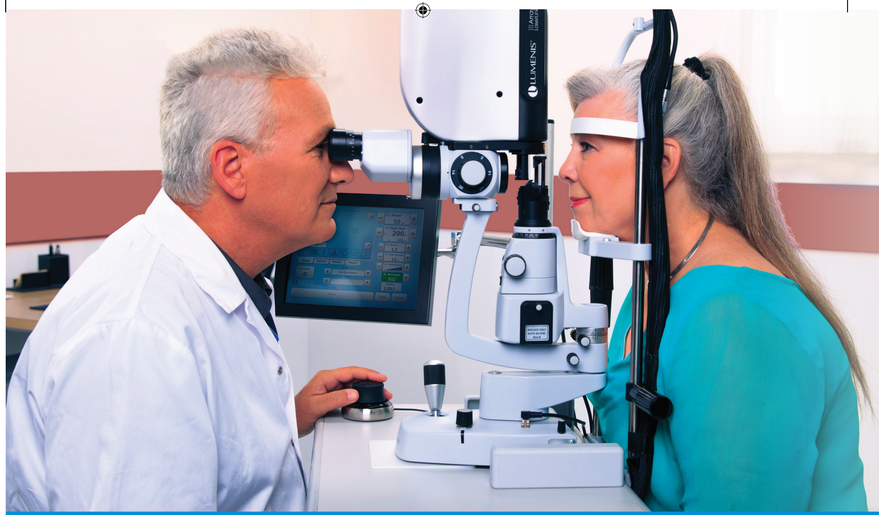
Array™ offers a range of laser spot sizes from 50 µm to 1000 µm in single spot mode, and 100 µm to 500 µm in pattern scanning mode.

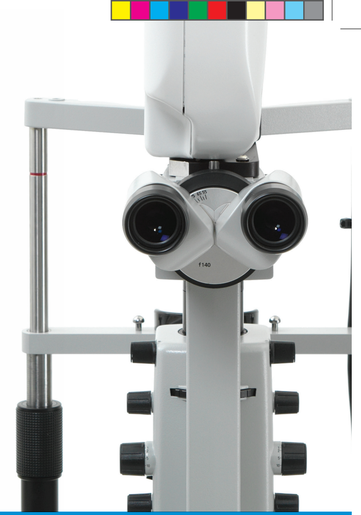
Sensibility

- **Intuitive touch screen**
- **Custom 3D micromanipulator**
- **Heads up display,** shows important parameter changes as text on the retina
- **Frame mode** displays a precise outline in the area the pattern will be administered
- **Titrate mode** is used to establish appropriate pattern laser parameters with a single spot
- **Contact lens menu** lists commonly used lenses for calculation of laser spot size on the retina
- **Spot size on retina** tells doctor actual parameter of treatment

Risks and warnings: Array is intended solely for use by trained physicians. It is contraindicated for eyes with severe media opacities. Risks include increased macular edema and bleeding in areas of neovascularization. Refer to the operator manual for a complete list of intended use, contraindications and risks.

* Retina. 2010 Mar;30(3):452-8. Comparison of laser photocoagulation for diabetic retinopathy using 532 - nm standard laser versus multispot pattern scan laser. Nagpal M, Marlecha S, Nagpal K.





Array™ LaserLink™ Keeps the Target in View

Maintain Focus on the Patient

Eyes Forward Control
Control and verify treatment parameters without moving from the slit lamp oculars or losing sight of the target retina

Heads Up Display
- Confirms changes to treatment parameters
- Displays text on the retina
- Modified parameters are projected as text onto the retina

Unique Array 3D Micromanipulator
- Controls laser parameters and micromanipulation
- Adjustable for left or right hand use

Intuitive Touch Screen
- Fully adjustable monitor
- Is easily reached and visualized for treatment set up and procedure

Customize Treatment to Meet the Patient and Physician Needs

Continuous Variable Spot Size
- Single spot from 50 µm to 1000 µm
- Pattern mode from 100 µm to 500 µm
- Customized treatment for the particular disease state and tissue response

Selectable Spot Spacing
- For a circle, from 0-3 times the spot diameter
- For other patterns, from 0.25-3 times the spot diameter

Variety of Adjustable Patterns
Includes single spot and six types of patterns:
- Square: 2 to 5 spots per edge
- Line: 2 to 5 spots per line, up to 4 lines in shape
- Triangle: 3 or 5 spots per edge
- Circle: Single adjustable ring
- Quarter of a circle: 1 or 3 adjustable arcs
- Half of a circle: 1 or 3 adjustable arcs

Next Generation ClearView™ Filters
- Utilizes photopic balanced coating to eliminate color distortion
- Optimizes white light transmission or “brightness” of the physician’s view

Patented SureSpot™ Optics
- Ensures that the focal point of the laser beam is maintained on the retina
- Minimizes power density on the cornea and lens for increased safety

Up to 5 Preset Protocols
- Retains favorite settings in memory
- Includes settings such as fundus lens selection, laser power, spot size, spot spacing, number of spots and duration