

## Specifications

Platform	LightSheer INFINITY		
	HS HandPiece	ET ChillTip™ Applicator	LR ChillTip™ Applicator

### Technical Specifications:

Laser Type	AlGaAs Diode Arrays	AlGaAs Diode Arrays	AlGaAs Diode Arrays
Wavelength	805\1060 nm (nominal)	805\1060 nm (nominal)	805\1060 nm (nominal)
Spot Size	22 mm X 35 mm	9 mm X 9 mm	9 mm X 27 mm
Repetition Rate	Up to 3 Hz	Up to 3 Hz	Up to 3 Hz
Pulse repetition	1 – 3 pulses	1 Pulse	1 Pulse
Fluence 805nm	4.5-12 J/cm <sup>2</sup>	20-80 J/cm <sup>2</sup>	5-25 J/cm <sup>2</sup>
Fluence 1060nm	4.5-14 J/cm <sup>2</sup>	20-80 J/cm <sup>2</sup>	5-35 J/cm <sup>2</sup>
Pulse Width	30-400 ms	10-400 ms	7.5-400 ms
Peak Power	2300 W	1600 W	1600 W
Comfort Management	Vacuum assisted (up to 18inHg)	Chilltip contact cooling (2° C)	Chilltip contact cooling (12° C)
Preset Parameters	Yes	Yes	Yes
Warranty	1 Year	1 Year	1 Year
On-Site Service	Yes; replaceable handpiece	Yes; replaceable handpiece	Yes; replaceable handpiece

### Platform Specifications

Electrical	100-240 VAC, 15 A max.   50/60 Hz.   Single-phase grounded outlet
Weight	58 kg
Dimensions (WxDxH)	44 x 50 x 123 cm; (17.4 x 19.7 x 48.6 in)

### Indications for Use

Treatment of vascular lesions, including angiomas, hemangiomas, telangiectasia, leg veins and other benign vascular lesions.

Hair removal, permanent hair reduction, and the treatment for Pseudofolliculitis Barbae (PFB).

Treatment of benign pigmented lesions, including age spots, solar lentigines, café au lait spots, nevi of Ota/Ito, melasma, Becker's nevi and other benign pigmented lesions.

Treatment of wrinkles (for 1060nm handpieces only).

Use on all skin types (Fitzpatrick skin types I – VI), including tanned skin.

### About Lumenis

Lumenis is a global leader in the field of minimally-invasive clinical solutions for the Surgical, Ophthalmology and Aesthetic markets, and is a world-renowned expert in developing and commercializing innovative energy-based technologies, including Laser, Intense Pulsed Light (IPL) and Radio-Frequency (RF). For nearly 50 years, Lumenis' ground-breaking products have redefined medical treatments and have set numerous technological and clinical gold-standards. Lumenis has successfully created solutions for previously untreatable conditions, as well as designed advanced technologies that have revolutionized existing treatment methods in each and every one of the verticals we operate in. Our drive for innovation stems from an uncompromising commitment to improving the health and well-being of our patients; addressing new and growing needs of aging populations; and in offering medical professionals cutting-edge solutions that fit seamlessly into the health-economics environment of the 21st century. The world over, we bring Energy to Healthcare.



#### AMERICAS

San Jose, CA, USA  
T +1 408 764 3000  
+1 877 586 3647  
F +1 408 764 3999

#### EMEA

Dreieich Dreieichenhain, Germany  
T +49 6103 8335 0  
F +49 6103 8335 300  
  
Roma (RM), Italy  
T +39 06 90 75 230  
F +39 06 90 75 269  
  
Hertfordshire, UK  
T +44 20 8736 4110  
F +44 20 8736 4119

#### JAPAN

Tokyo, Japan  
T +81 3 4431 8300  
F +81 3 4431 8301

#### ASIA / PACIFIC

Beijing, China  
T +86 10 5737 6677  
  
Gurgaon, India  
T +91 124 422 07 95  
  
Kowloon, Hong Kong  
T +852 217 428 00  
F +852 272 251 51



© 2014 All Rights Reserved. The Lumenis Group of Companies. PB-1003140 Rev. B. Lumenis, its logo, LightSheer INFINITY, HIT, ChillTip, are trademarks or registered trademarks of the Lumenis Group of Companies. Specifications are subject to change without notice. Lumenis is ISO 13485:2003 certified. | LightSheer INFINITY is CE approved. | LightSheer INFINITY is FDA cleared. PB-1003140 Rev. B

For more information: [www.lumenis.com](http://www.lumenis.com)

# LightSheer® INFINITY™

Discover the world of  
infinite possibilities



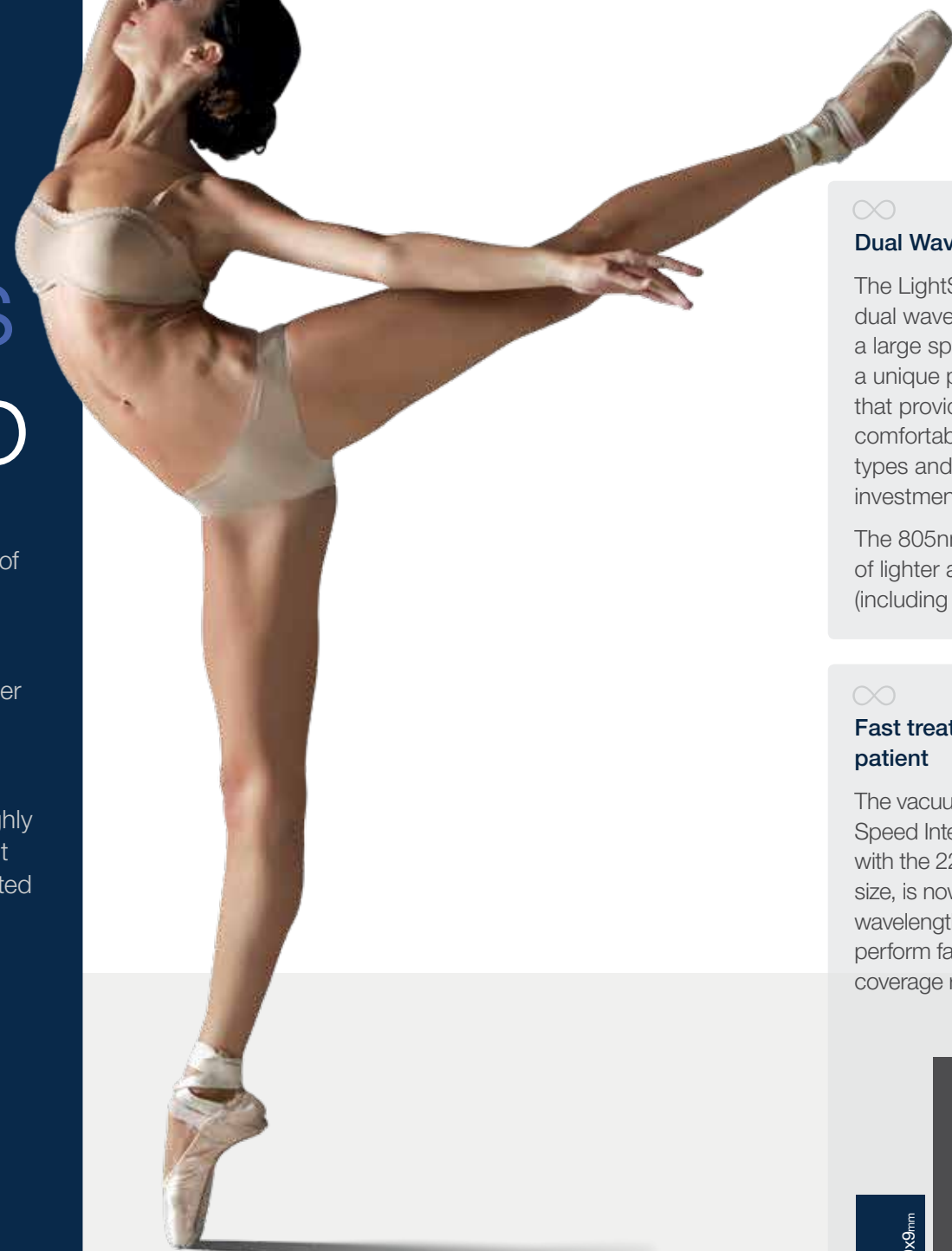
# Infinite Treatment Possibilities

$$2 \times 2 \times 6 = \infty$$

Lumenis' LightSheer INFINITY opens up a world of infinite laser treatment possibilities. Patients from different ethnic backgrounds and with different skin types are increasingly demanding solutions that are tailored to their needs. With the LightSheer INFINITY you can customize treatment like never before and offer the ideal treatment to each one of your patients. The LightSheer INFINITY is a breakthrough in hair reduction and provides a highly effective, rapid, safe and comfortable treatment. It can also offer your patients a solution for pigmented and vascular lesions, PFB and wrinkle reduction.

To meet these needs, the LightSheer INFINITY is equipped with:

- 2 diode wavelengths- 805nm and 1060nm
- 2 advanced technologies
- 3 spot sizes that facilitate 6 treatment options



## Technology with Infinite Potential

Treatment with the LightSheer Infinity is **more than 75% faster** than the market average and can be carried out **all year long**, ensuring high patient satisfaction and a rapid return on investment.



### Dual Wavelength Laser Platform

The LightSheer INFINITY is the first dual wavelength system equipped with a large spot size (22mm X 35mm) and a unique pain reduction mechanism that provides the fastest and most comfortable treatment for darker skin types and generates the fastest return on investment.

The 805nm and 1060nm enable treatment of lighter as well as darker skin types (including tanned skin) all year round.



805nm



1060nm



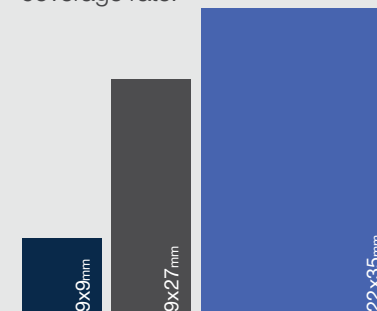
### Comfortable

The INFINITY is the only system that uses a unique active pain reduction mechanism which ensures that your patients will experience the most comfortable treatment without the need for gels or anesthetics.



### Fast treatment for every patient

The vacuum assisted HIT™ (High-Speed Integrated Technology) with the 22mmX35mm spot size, is now available in both wavelengths, allowing you to perform fast treatment with a high coverage rate.



### State of the art user experience

The LightSheer INFINITY is designed to provide an advanced user-friendly interface and effective user support:

- Advanced Graphical User Interface- Intuitive presets for fast learning curve and easy treatment delegation.
- Remote Connectivity enabled- to ensure prompt and complete customer support.



# Ideal Spot Sizes



# How it Works



## Ideal spot sizes for Hair Removal treatments:

To effectively treat all body areas and hair types, the LightSheer INFINITY offers two mechanisms of action (the low fluence vacuum assisted HIT™ and the high fluence ChillTip™) with a variety of spot sizes that can be easily switched on the handpiece.

HS (22mmx35mm)



LR (9mmx27mm)



ET (9mmX9mm)



**High Speed (22mmx35mm)** - utilizes the vacuum assisted HIT™ (High-Speed Integrated Technology) to treat large body areas. This spot size provides an extremely fast and comfortable treatment.

**Variety of ChillTip™ applicators** - utilize the ChillTip™ contact cooling technology and empowered by high fluence. Designed to treat small to medium size areas.

## How HIT™ Works



Vacuum gently draws skin into the handpiece, skin is stretched thin and target is pulled closer to the energy source.



Energy is applied to target in which melanocytes are spread apart and blood flow is constricted.



Target is damaged and skin is released.

## Advantages of High-Speed Integrated Technology (HIT™)

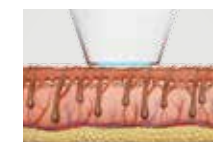
**Increased efficacy:** by stretching the skin there is a reduction in competing chromophores and the laser energy is delivered more efficiently. With darker skin types that have high concentrations of Melanocytes this advantage has even greater significance.

**Higher safety:** treatment safety for all skin types is increased by the proximity of the target to the energy source, since less energy is absorbed by the epidermis and lower fluence is required. Additionally, the LightSheer 805nm Diode wavelength has an excellent safety profile and the LightSheer 1060nm diode wavelength offers superior safety for darker skin types.

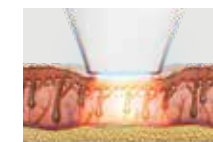
**Decreased pain:** the Vacuum mechanism activates tactile and pressure skin receptors to naturally block the transmission of pain to the brain during the treatment.

**Fastest treatment:** with a spot size of 22x35 mm, large areas can be treated rapidly, without the need for cooling or anesthetics.

## How ChillTip™ Works



1. Skin is cooled before and during treatment.



2. Skin is compressed\*. Laser beam applied to skin and target is damaged.

\*Compression of the skin is not recommended when treating vascular lesions

## Advantages of ChillTip™ Technology

**Enhanced safety:** superior epidermal protection is achieved through ChillTip contact cooling.

**Increased comfort:** by continuously cooling the skin, pain and discomfort are significantly reduced.

**Higher efficacy:** compression of the skin rotates the (hair) follicle closer to the surface, blanches blood vessels and reduces competing chromophores. For darker skin types this advantage is more significant since their Melanin concentration is higher.

# Clinical Results with Infinite Potential

# Experts Testimonials

With the LightSheer INFINITY, Lumenis perfected its well-established innovative technology. By leveraging the clinically validated advantages of the 805nm wavelength- speed, comfort, safety and efficacy to an additional wavelength- the 1060nm- Lumenis created the most advanced dual wavelength system in the market and introduced the next generation of laser hair reduction.



Before

After

Before

After

Courtesy of Sushil Tahiliani, M.D.  
1060nm wavelength, High-Speed Handpiece  
6 month follow up post 5 treatments

Courtesy of Suzanne L. Kilmer, M.D.  
805nm wavelength, High-Speed Handpiece  
6 month follow up post 3 treatments

*"In my clinic there is a high-demand for hair removal from large body areas. With INFINITY's High Speed handpiece I can complete a leg or back treatment in less than 10 minutes. The hair removal results are consistent with other devices that are associated with much greater discomfort. Over the years I have tested many hair removal technologies and I strongly feel that Lumenis' LightSheer INFINITY is in a class of its own."*

E. Victor Ross, M.D.

*"The LightSheer INFINITY sets the bar for laser hair removal. With two wavelengths and six possible treatment methods to choose from, I have the freedom to tailor treatments to best meet the needs of each patient. I see excellent results every day and the treatments are comfortable. Best of all, I can treat all skin types all year long."*

Omar A. Ibrahim, M.D., Ph.D.

