

# Desirable Clinical Results



The LightSheer technology by Lumenis has been validated in numerous clinical studies and peer reviewed articles, and our customers the world over have continuously reported high levels of patient satisfaction and repeatable results.



Before After

Courtesy of Mitch Goldman, MD,  
805 nm wavelength, High Speed handpiece 4 month follow-up post 4 treatments

Before After

Courtesy of Girish Munavalli, MD, MHS  
805 nm wavelength, High Speed handpiece One year follow-up post 5 treatments

*"With the High Speed Technology I can treat large body areas in record time. Using the 22x35 handpiece I can complete treatment on backs and legs in less than 10 minutes. My customers love the results and recommend it to their friends. My business turnover has increased."*

Mary Lupo, M.D

*"I chose the LightSheer for my practice because it uses an 805 diode and I am very pleased with my choice. The results are outstanding and the treatment is most comfortable for the patients. With the combination of three handpieces utilizing two different technologies, I can give the best treatment to every patient that comes to my office "...*

Adele Quintana, M.D.

*"The LightSheer is a fast and easy to use device. It is perfect for treating large body areas as well as small and precise ones due to the combination of the High-Speed and the ChillTip, ET & XC, handpieces. Both the vacuum of the High-Speed and the cooling of the ChillTip combine effective treatments with novel ways to minimize discomfort. It is a device that both my staff and patients can count on..."*

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

## Warnings and Risks:

Treatment should not be attempted on patients with the following conditions in the treatment area: any active infections or inflammatory skin conditions, Dysplastic nevi, tattoos, active cold sores, open lacerations or abrasions, viral, fungal, or bacterial diseases or a history of post inflammatory hyperpigmentation. The most common immediate responses of laser treatment for hair removal, vascular lesions, pigmented lesions are erythema, edema, perifollicular edema and perivascular edema, vascular bleaching, hyperpigmentation and hypopigmentation or textural changes of the treated areas.

The complete list of contraindications and risks can be found in the LightSheer DESIRE user manual.

## Specifications

Platform	LightSheer DESIRE		
Handpiece	HS	XC	ET
Technical Specifications:			
Laser Type	AlGaAs Diode Arrays	AlGaAs Diode Arrays	AlGaAs Diode Arrays
Wavelength	805 nm (nominal)	805 nm (nominal)	805 nm (nominal)
Spot Size	22 X 35 mm	12 X 12 mm	9 X 9 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	4.5-12 J/cm <sup>2</sup>	10-40 J/cm <sup>2</sup>	10-100 J/cm <sup>2</sup>
Pulse Width	30-400 ms	5-400 ms	5-400 ms
Peak Power	2310 W	1920 W	1620 W
Comfort Management	Vacuum assisted (up to 18inHg)		ChillTip contact cooling (5°C)
Preset Parameters	Yes		Yes
On-Site Service	Yes; replaceable handpiece		Yes; replaceable handpiece

## Platform Specifications

Electrical	100-240 VAC +/- 10%, 12 A max.   50/60 Hz.   Single-phase grounded outlet
Weight	32 Kg (70.5 lbs.)
Dimensions (WxDxH)	51 x 60 x 42 cm; (20.1 x 23.6 x 16.55 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.

## 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.



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

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# LightSheer<sup>®</sup> DESIRE<sup>™</sup>

The starting point to  
your success.



# Grow with Desire



3 Handpieces

2 Advanced technologies

75% Reduce treatment time by 75% with the high Speed handpiece compared with the ET ChillTip™\*

# Technology Behind the Desire



# How it Works



More and more people desire to have permanent hair reduction. They want a treatment that is **effective, fast and comfortable.**

To meet these needs, Lumenis, a leader in laser and energy based technologies, developed the LightSheer DESIRE so you can:

Benefit from a rapid return on investment

Attract more patients

Grow your business

In order to provide you with optimal treatment possibilities, the portable LightSheer DESIRE comes with:

- Diode wavelength 805 nm
- 3 handpieces with various spot sizes
- 2 advanced technologies
- Upgradable: add capabilities as your practice grows

The unique features of the LightSheer DESIRE enable you to provide your patients with:

- Short treatment time
- Comfortable treatment
- Long lasting results

## 2 Cutting Edge Technologies

Great clinical results begin with the LightSheer DESIRE 805 nm diode laser empowered by two advanced technologies: Vacuum Assisted High-Speed Integrated Technology and ChillTip™ Technology.

## 3 Handpieces for Treating All Body Areas

To effectively treat all body areas the LightSheer DESIRE is equipped with three handpieces that can be easily switched.



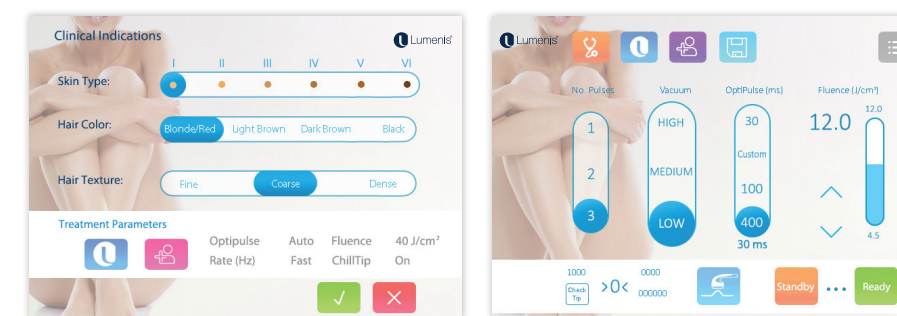
**The HS** has a HIT 22x35mm spot size enabling use of low-fluence and a unique mechanism of pain reduction, providing, fast and comfortable treatment.

**The XC** has a Sapphire ChillTip spot size of 12x12mm, providing a solution for large and small areas requiring higher fluence levels.

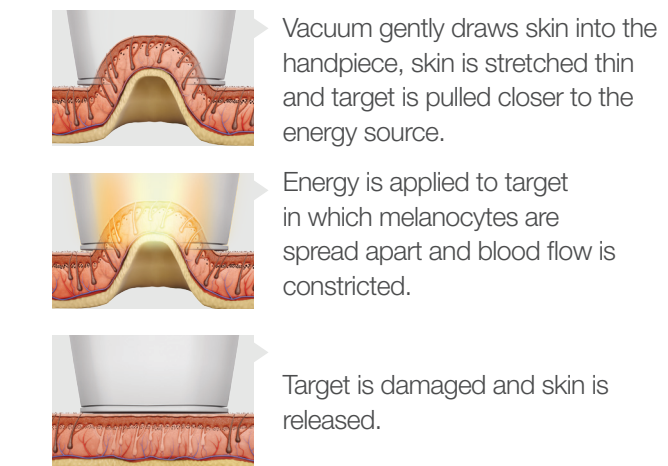
**The ET** has a Sapphire ChillTip spot size of 9x9mm designed to treat small areas that require maximum precision and higher fluence.

## Advanced Graphical User Interface

Intuitive presets for fast learning curve and easy treatment delegation.



## How Vacuum Assisted Technology Works



## Advantages of High-Speed Vacuum Assisted Technology

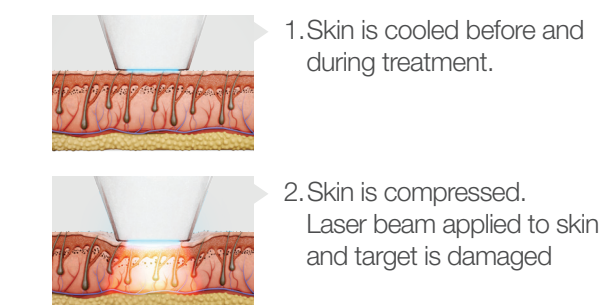
**Efficacy:** reduction in competing chromophores enables delivery of laser energy more efficiently.

**Safety\*:** less energy is absorbed by the epidermis and lower fluence is required since the target is closer to the energy source.

**Decreased pain\*:** The unique vacuum mechanism activates tactile and pressure skin receptors to inhibit the transmission of pain sensation.

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

## How ChillTip™ Works



## Advantages of ChillTip™ Technology

**Safety:** epidermal protection is achieved through ChillTip contact cooling

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

**Efficacy:** Compression of the skin rotates follicle closer to the surface, blanches blood vessels and reduces competing chromophores. High fluence enables treatment of areas requiring precision and thin, light hair.

\*Ibrahimi OA, Kilmer SL. Long-term clinical evaluation of a 800-nm long-pulsed diode laser with a large spot size and vacuumassisted suction for hair removal. Dermatol Surg. 2012

\*\*Xia Y, Moore R, Cho S, Ross EV. Evaluation of the vacuum-assisted handpiece compared with the sapphire-cooled handpiece of the 800-nm diode laser system for the use of hair removal and reduction. J Cosmet Laser Ther. 2010; 12: 264-268.