



# LIGHTSHEER

Laser Hair Removal

## LightSheer® DESIRE™

This is how **confidence** feels



We don't just build technology,  
we build confidence.

What we do changes the way people feel about themselves.  
We don't just remove unwanted hair, we remove doubts and worries  
and the barrier between people and what they can be.  
We create, design and manufacture confidence.

This is how **confidence** feels



# Satisfying patients, growing business.

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More and more people desire permanent hair reduction. Because it appeals to both men and women, different ethnicities and age groups, this offers an excellent opportunity to build your client base. People 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:

- Offer your patients long-lasting results
- Benefit from a rapid return on investment
- Attract more patients
- Grow your business

The LightSheer DESIRE is a fantastic, portable laser hair removal system. It works with diode wavelength 805 nm, includes two advanced technologies and three handpieces. With the added benefit of treating pigmented lesions, the system is upgradeable so as your business grows, the LightSheer DESIRE can adapt and grow with it.



# You can be confident in our technology.

Lumenis has been pioneering energy based solutions for over 50 years, so you can be sure of the technology behind the LightSheer DESIRE.

## Two Cutting Edge Technologies

Great clinical results begin with the LightSheer DESIRE 805nm diode laser empowered by two advanced technologies: High Speed vacuum assisted technology and ChillTip™ integrated contact cooling technology.

## Three Handpieces for Treating All Body Areas

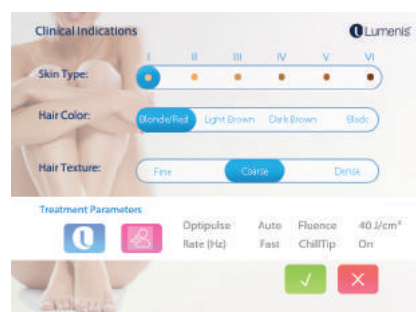
To effectively treat all body areas the LightSheer DESIRE is equipped with three handpieces that can be easily switched. Varying spot sizes allow you to treat patients quickly and comfortably and tailor the treatment to each individual patient.



## Advanced Graphical User Interface

The combination of the simple user interface and the treatment presets allows one to delegate the treatment safely.

### Preset Screen

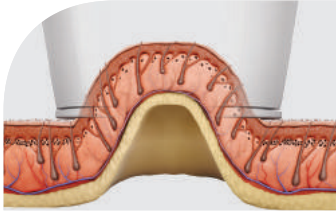


### Treatment Screen

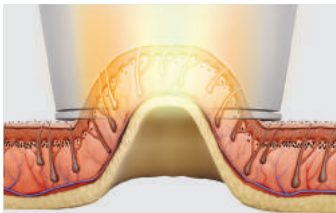


# How it works.

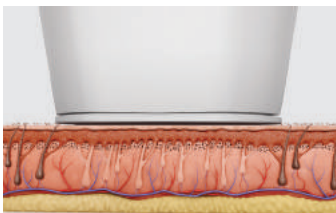
## High Speed Vacuum Assisted Technology



Gentle suction draws skin into the handpiece, so the skin is stretched thinner and the hair follicle is brought closer to the laser source.



Competing melanocytes are spread further apart, as the laser energy is applied to the target.

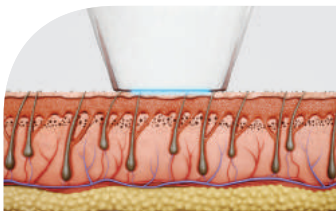


The follicle is damaged and the skin is released.

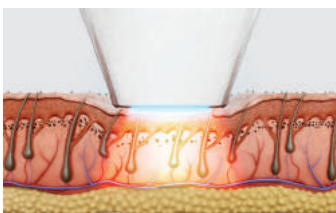
## Advantages

- ✓ **Efficacy<sup>2</sup>:** Reduction in competing chromophores enables delivery of laser energy more efficiently.
- ✓ **Safety<sup>2</sup>:** Less energy is absorbed by the epidermis and lower fluence is required since the target is closer to the energy source.
- ✓ **Decreased pain<sup>1</sup>:** The unique vacuum mechanism activates sensory receptors in the skin that reduces pain during treatment.
- ✓ **Treatment time<sup>1,2</sup>:** The large (22x35mm) spot size reduces treatment time as large areas can be covered more rapidly. In addition, due to the vacuum mechanism of action there is no need for gel or anesthesia.

## ChillTip Technology



Pressing the handpiece compresses the skin so that blood flow is constricted and the laser's energy is better absorbed by the hair follicle.



Skin is continuously cooled as the laser energy is applied to the target.

## Advantages

- ✓ **Safety<sup>3</sup>:** Epidermal protection is achieved through ChillTip contact cooling.
- ✓ **Patient comfort<sup>3</sup>:** By continuously cooling the skin, pain and discomfort are significantly reduced.
- ✓ **Efficacy<sup>2,3</sup>:** Compression of the skin rotates the follicle closer to the surface, ensures good thermal contact and blanches the blood vessels thus reduces competing chromophores.

- 1 Ibrahimi OA, Kilmer SL. Long-term clinical evaluation of an 800-nm long-pulsed diode laser with a large spot size and vacuum-assisted suction for hair removal. *Dermatol Surg.* 2012
- 2 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.
- 3 Campos, V. B., Dierickx, C. C., Farinelli, W. A., Lin, T. Y. D., Manuskiatti, W., & Anderson, R. R. (2000). Hair removal with an 800-nm pulsed diode laser. *Journal of the American Academy of Dermatology*, 43(3), 442-447.

# We're confident in our results, so you can be too.

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.

## Laser hair removal

Before



After



Before



After



Photo courtesy of: 1. Shweta Virmani, 2. Mitchel Goldman, M.D. 3. Suzanne Kilmer, M.D. 4. Daniela Cangelosi, M.D.

## Beyond laser hair removal

Treating pigmented lesions with LightSheer ChillTip 805nm handpiece

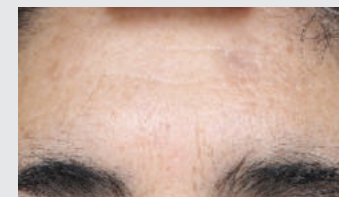


Photo courtesy of Lumenis Ltd.

*"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. Ibrahimi, M.D., Ph.D.

*"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.

## Warnings and Risks:

Treatment should not be attempted on patients with the following conditions in the treatment area: any active infections, 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, sunburn, natural or artificial tan. The most common immediate responses of laser treatment for hair removal, lightening/darkening of pigment, 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.

# Your journey with LightSheer DESIRE has just begun.

We want your business to grow with LightSheer DESIRE. That's why we have put together a support package that begins with the first conversation and will stay with you as your business begins to see the benefits. We provide a support package which ensures that you have all the training you need and receive the most up to date clinical materials.

Our direct to consumer marketing activities support the brand, keeping LightSheer the treatment of choice when it comes to laser hair removal.



## Lumenis Practice Locator

Thousands of patients search for treatment providers every month. Help them find your clinic by registering your practice on the Lumenis Practice Locator. We run campaigns through influencers, social media and viral videos to promote this directory.



## LightSheer.com

Consumers have many questions about laser hair removal. Our dedicated patient-facing website will give them the re-assurance and confidence they need to move forward with the LightSheer treatment.



## Team Training

We install the system and train your staff, so that we are able to assess skin types and conditions, creating the perfect treatment plan for each individual patient. Our expert clinical training means they will handle consultations and treatments with confidence.



## Your Most Valuable Resource

Your dedicated representative is an email, text, or phone call away. We want you to feel part of the LightSheer family, so please feel free to contact us any time. We'll always do our best to get back to you within 24 hours.



## Brand Your Clinic

As a LightSheer client you will have access to the Lumenis Physician Portal. Here, you can find materials such as brochures and posters. As well as gain access to a wealth of clinical and product information.



## Best Practice Marketing

Your individual LightSheer representative will be able to share marketing plans which you can tailor to your own business. These range from 90 day benchmarks for success to loyalty programs and promotions.

# Specifications

## LightSheer DESIRE

	HS	XC	ET
<b>Technical Specifications</b>			
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 805nm	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
Preset Parameters	Yes	Yes	
Comfort Management	Vacuum assisted (up to 18 inHg)	Chilltip contact cooling (2°C)	
On-Site Service	Yes; replaceable handpiece	Yes; replaceable handpiece	
<b>Platform Specifications</b>			
Electrical	100-240 VAC +/-10%, 10 A max.   50/60 Hz.   Single-phase grounded outlet		
Weight	The console weight is: 36 kg (79.4 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, and other benign vascular lesions and leg veins. Hair removal, permanent hair reduction\*, and the treatment for Pseudofolliculitis Barbae (PFB). Treatment of benign pigmented lesions. Suitable for use on all skin types (Fitzpatrick skin types I – VI), including tanned skin.

\* Permanent hair reduction is defined as the long-term, stable reduction in the number of hairs re-growing when measured at 6, 9 and 12 months after the completion of a treatment regime.

## 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 selling 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 revolutionised 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 offering medical professionals cutting-edge solutions that meet the demands of modern life. The world over, we bring Energy to Healthcare.

**LASER CLASS 4/IV** DIODE LASER

For DESIRE / DESIRE Light  
**WAVELENGTH** : 790-830 nm  
**PULSE ENERGY**: 81 J max  
**PULSE DURATION**: 5-400 ms  
**PULSE RATE**: 3 Hz max

For DESIRE Beauty  
**WAVELENGTH** : 790-830 nm  
**PULSE ENERGY**: 32 J max  
**PULSE DURATION**: 5-300 ms  
**PULSE RATE**: 3 Hz max

**VISIBLE AND INVISIBLE LASER RADIATION  
 AVOID EYE OR SKIN EXPOSURE TO  
 DIRECT OR SCATTERED RADIATION**

CLASS 4 LASER PRODUCT per EN 60825-1:2007/2014  
 CLASS IV LASER PRODUCT Complies with 21 CFR 1040.10 & 1040.11  
 except for deviations pursuant to Laser Notice No. 50, Dated June 24, 2007

LB-005897\_B



**LASER CLASS 4/IV** DIODE LASER

For DESIRE  
**WAVELENGTH** : 790-830 nm  
**PULSE ENERGY**: 92 J max  
**PULSE DURATION**: 30-400 ms  
**PULSE RATE**: 3 Hz max

For DESIRE Beauty  
**WAVELENGTH** : 790-830 nm  
**PULSE ENERGY**: 92 J max  
**PULSE DURATION**: 30-300 ms  
**PULSE RATE**: 3 Hz max

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 except for deviations pursuant to Laser Notice No. 50, Dated June 24, 2007

LB-005895\_E

**LASER CLASS 4/IV** DIODE LASER

For DESIRE / DESIRE Light  
**WAVELENGTH** : 790-830 nm  
**PULSE ENERGY**: 58 J max  
**PULSE DURATION**: 5-400 ms  
**PULSE RATE**: 3 Hz max

For DESIRE Beauty  
**WAVELENGTH** : 790-830 nm  
**PULSE ENERGY**: 58 J max  
**PULSE DURATION**: 5-300 ms  
**PULSE RATE**: 3 Hz max

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