

DioLite^{XP}™ Laser System

Specifications

Treatment Laser:	Diode-pumped, frequency-doubled, solid-state (DPSS)
Wavelength:	532 nm
Energy Density:	1–950 J/cm ²
Pulse Duration:	5–100 ms
Repetition Rate:	Single pulse to 50 Hz
Spot Sizes:	500 µm, 700 µm, 1000 µm 1400 µm (optional)
Scanner Area: (optional with ScanLite^{XP}™)	7 mm x 7 mm, 10 mm x 10 mm, 14 mm x 14 mm
Pilot/Aiming Laser:	Red diode laser
Wavelength:	630–650 nm
Power:	0–1 mW
Dimensions:	7.5" H x 12" W x 12" D (19 cm x 30 cm x 30 cm)
Weight:	17 pounds (7.7 kg)
Electrical:	90–240 VAC, 50/60 Hz <200 W in standby <350 W maximum
Cooling:	On demand, whisper fan, forced air



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1. Niamtu J. Clinical Applications of the 532-nm Diode Laser for the Treatment of Facial Telangiectasia and Pigmented Lesions: Literature Review, History, and Discussion of Clinical Experience. *Am J Cosmet Surg*. 2001;18(2):71-81.

Photos courtesy of Bruce Berger, M.D.

DioLite^{XP}™ Laser System

Versatile, Effective Treatment of Vascular and Pigmented Lesions



Ideal Treatment Parameters for Optimal Results

Next-Generation System Puts Innovation at Your Fingertips

- Offers solid-state reliability, portability, efficiency, and versatility at an affordable price
- Provides high power and a larger spot size for rapid treatment of large areas
- Requires only a standard wall outlet
- Consumes less than 350 watts of power and has no special cooling requirements

Clinical Versatility

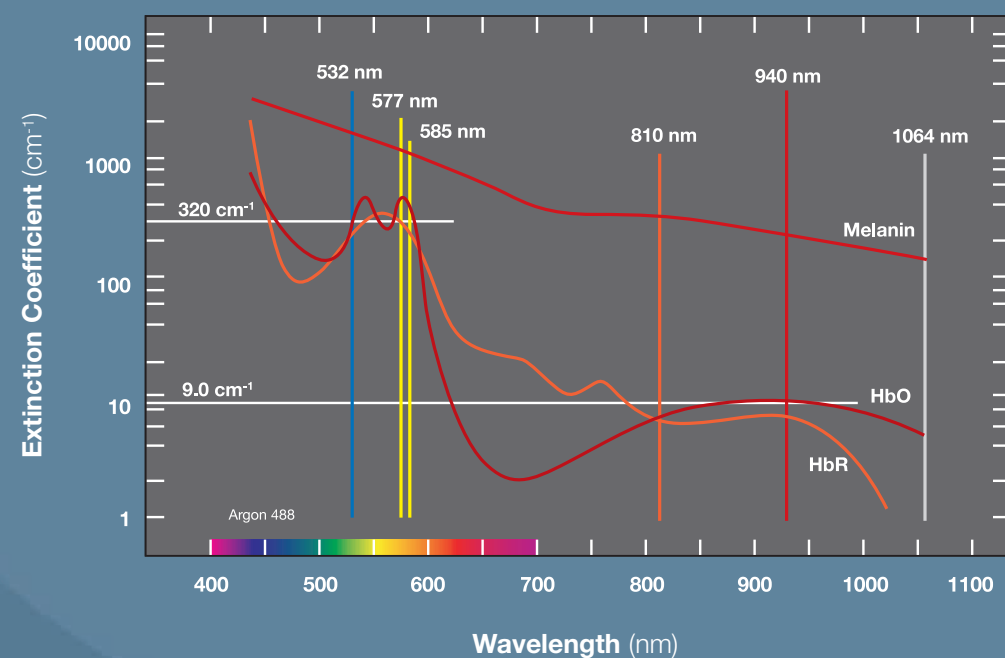
- Includes all the tools necessary to achieve optimal results
- Provides true selective photothermolysis, for greater control¹
- Eliminates postoperative purpura, offering enhanced patient satisfaction¹

Clinical Effectiveness

- Produces laser output at 532 nm, which is absorbed by both oxyhemoglobin and melanin
- Provides an effective tool for the treatment of a wide range of both vascular and pigmented lesions

Extinction Coefficient vs. Laser Wavelength

Adapted from Mainster, Bursell; *Ophthalmology* 1986;93:952-958



Applications

Vascular lesions

- Telangiectasia
- Cherry angiomas
- Spider angiomas
- Spider veins
- Neovascularization

Pigmented lesions

- Lentigines
- Keratosis
- Freckles
- Dermatosis papulosis nigra
- Poikiloderma of Civatte



DioLite^{XP} with optional accessories (from left to right): ScanLite^{XP} scanner, protective lenses, goggles, handpieces, and ClearViewTM 3 polarized light illumination system.

Treatment Outcome

Before



After

