

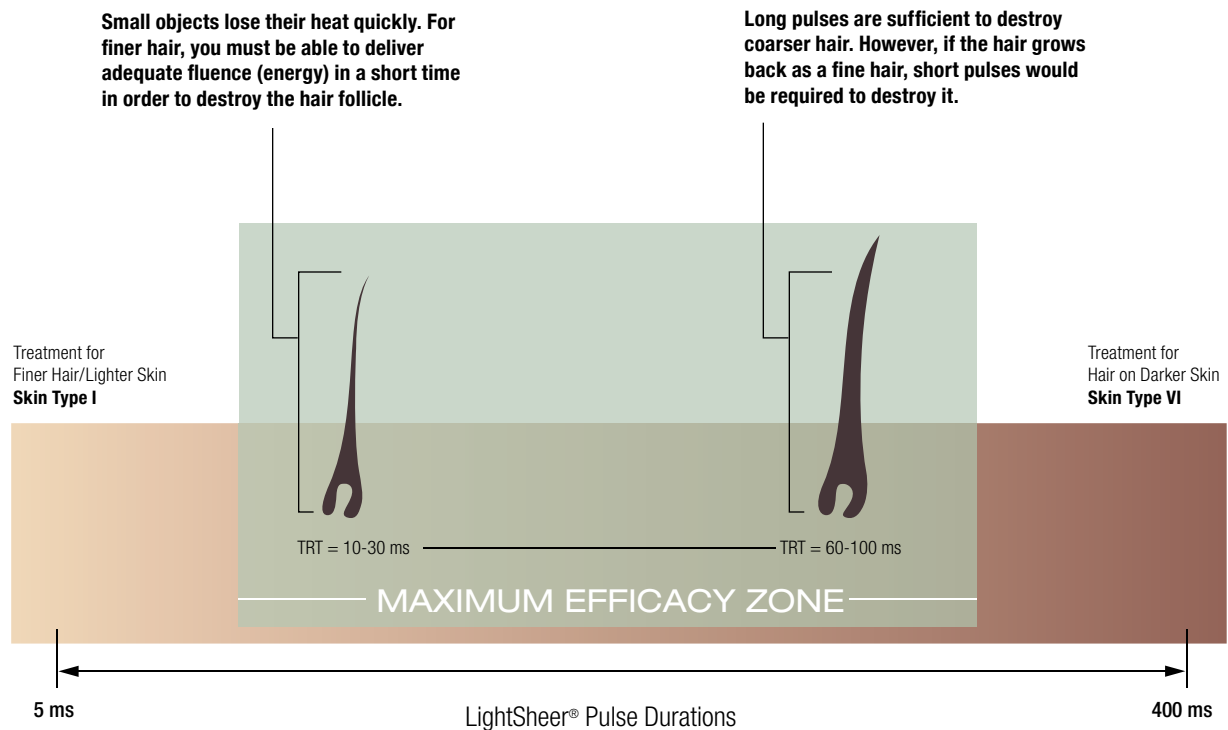
LightSheer®

Achieving Maximum Efficacy — Hair Removal for the Broadest Patient Population with the LightSheer Diode Laser System

Thermal Relaxation Time (TRT) is defined as the time required for a structure to lose 50% of its heat to the surrounding tissue. The TRT for hair varies with the hair's diameter.

According to the Theory of Selective Photothermolysis, sufficient energy must be delivered with a pulse duration that is less than the TRT of the target structure (hair follicle) in order to effectively damage the hair follicle. At the same time, to protect darker skin types, pulse durations should be elongated to allow sufficient time for heat to diffuse from the epidermal melanin. Therefore, short pulses are required for treating finer hair, while long pulses are safest for darker skin types.

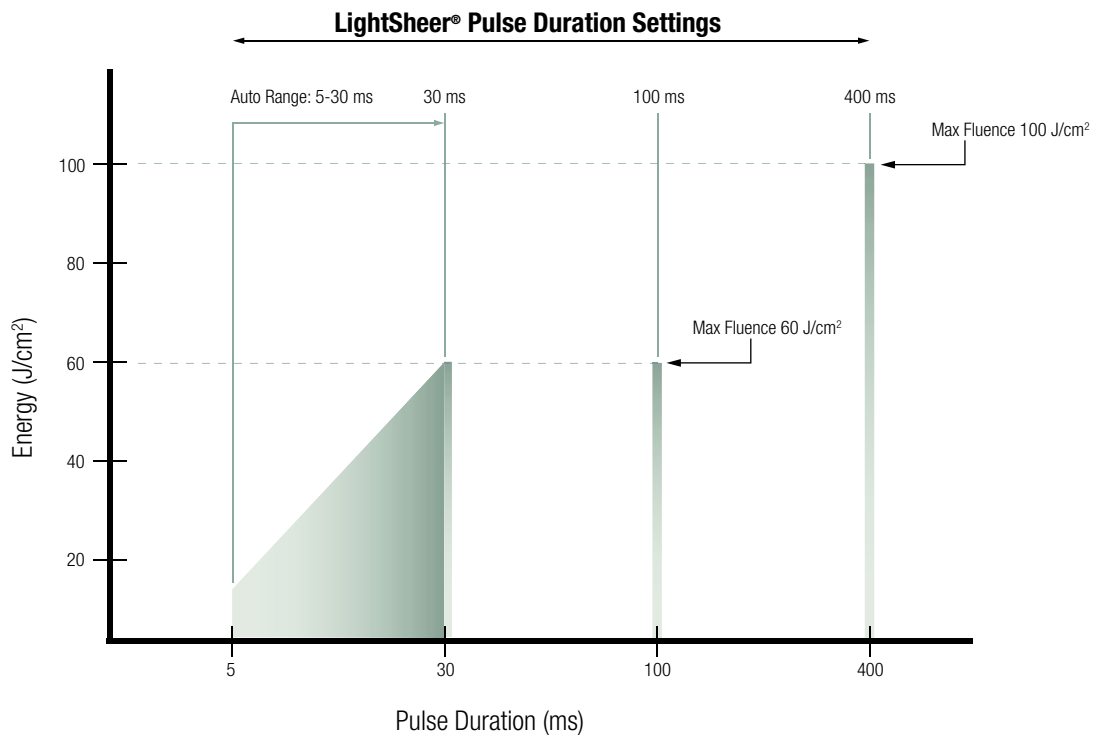
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LightSheer provides **both**

- High peak power over short pulse durations to treat finer hair
- High peak power over longer pulse durations to safely and effectively treat hair on darker skin types and tanned skin