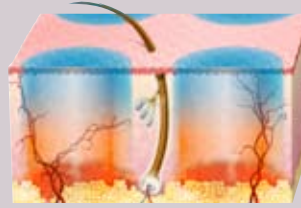


The LuxDeepIR™ Fractional Infrared Handpiece delivers deep columns of infrared light beginning at 1 mm into the dermis (thus preserving the epidermis and upper dermis), and extending as far as 6 mm into the dermis and hypodermis.



These heated columns create islands of deep heating and coagulation, which induce the body's natural healing response. This allows for the generation of new tissue, which, in turn, reduces the appearance of skin laxity on the face, neck, and abdomen. The result: a tighter, smoother skin appearance.



Superior Safety and Comfort

The LuxDeepIR has built-in contact sensors, which only allow treatment when the handpiece window is in full contact with the skin, promoting patient safety. Palomar's proprietary contact cooling also ensures that cooling is delivered before, during, and after each pulse, with the handpiece window chilled down to 2° C. Compared to competing systems, the LuxDeepIR offers superior skin protection and comfort, even during delivery of high energy at longer pulses.

Flexible, Effective Treatments

The LuxDeepIR also allows adjustment of pulse durations and energy levels while keeping the skin cooled. By varying the depth of heating at different anatomical sites, the practitioner can customize their treatments to the needs of the patient, thereby having more control and flexibility for the best results.



Skin Tightening through Soft Tissue Coagulation



before



after



before



after

The LuxDeepIR is available with the StarLux[®] 500 System. Your StarLux 500 can be easily and affordably enhanced to include other applications, such as:

Fractional Non-Ablative Skin Resurfacing and Soft Tissue Coagulation

Leg Vein Treatment

Photofacials for Pigmented and Vascular Lesions

Permanent Hair Reduction

Acne Treatment

And more!



LuxDeepIR Fractional Technical Specifications

Wavelength	850 – 1350 nm
Spot Size	12 x 28 mm
Maximum Fluence	300 J/cm ² *
Pulsewidth	2.5 – 20 sec**
Maximum Speed	¾ cm ² / sec.

*FDA-cleared up to 175 J/cm². 510(K) submitted for up to 300 J/cm².
**FDA-cleared up to 10 seconds. 510(K) submitted for up to 20 seconds.