

## The science behind LED Facials and how they work

LED's provide a mechanism for Low-Level Light Therapy (LLLT) or "Photo Bio-stimulation" - a field of 'Phototherapy'. Phototherapy is the use of light to treat medical conditions. It has been known about for thousands of years, with natural sunlight seen to benefit certain skin disorders.

The problem with such phototherapy is the amount of damage that can be done at the same time, whereas LED treatment using pre-selected wavelengths of light to enhance the beneficial results while still reducing or removing the detrimental effects.

### How does Phototherapy work?

The effects of Phototherapy and LLLT are photochemical. When the correct intensity and frequency are used, the light energy photons, generated by the LED light sources, are absorbed by selected chromophores in the tissue, increasing Adenosine Triphosphate (ATP) levels and leading to enhanced cell metabolism.

### What are the proven benefits of Low-Level Light Therapy?

The benefits of Low-Level Light Therapy are numerous and depend on the wavelength of the light being absorbed. Put another way, blue light has effects on the tissues completely different to red light.

Depending on the wavelength of the light energy applied, the improved cell activity will result in an:

- Enhanced anti-inflammatory effect
- Enhanced anti-bacterial effect
- Improved wound healing
- Increased skin tightening
- Elevated skin elasticity
- Increased localized blood flow

Technically, it stimulates mitochondrial and ATP production; promoting blood circulation and tissue oxygenation, leading to pain relief & cell proliferation and facilitating the creation and extension of the anti-aging enzyme.

### Our LED Face Mask

The LED Face Mask has been created with an ergonomic design that ensures the diodes are as close to the skin surface as possible to maximize energy transfer, while distant enough to ensure an even coverage across the treatment area.

In addition, the wavelengths of light used; blue 415nm, red 630nm have been chosen to maximize the benefit to the recipient, while offering increased safety.

LED light therapy is the use of light at specific wavelengths to penetrate the skin at varying depths to cause a specific response. The light absorbed by the skins energy cells to:

- Produce Collagen
- Improve Skin Elasticity
- Increase Blood Circulation
- Increase Oxygen Levels
- Kill Bacteria
- + much more

The effect of light absorption can be clearly seen in treatments for

- Ant-aging
- Skin rejuvenation toning, tightening and texturing
- Post care healing
- Wrinkles reduction
- + much more

LED light therapy is a safe and effective treatment that causes a natural reaction and likened to the photosynthesis of a plant, triggering the body to convert light energy to cell energy. The treatments are quick and painless with no downtime

Typically, you'll need at least four treatments. In order to rejuvenate the skin's appearance, improve its texture and reduce the appearance of wrinkles, a few weeks will be required. The good news? The benefits are cumulative.

LED Facial \$150 includes Cleans with dermasound cavitation, Peel, mask with steam, LED for 25 minutes, head and foot massage. Peel specifically for you skin

lactic - hyperpigmentation

Salicylic- acne

Glycolic- anti aging