

IR-BOOSTER RED LIGHT THERAPIE für Infrarotsauna

Regular Price

€ 699,00

Special Price

€ 499,00

inkl. MwSt.

und

Versand

Product Images

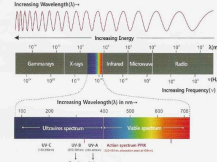


Overview of Light Therapy

What is Red and Near Infrared Light Therapy?

Red and near-infrared light therapy is one of the biggest breakthrough discoveries in health over the past century. Over the past few decades, scientists have amassed thousands of studies on the power of red and near-infrared light to enhance human health. Red and near-infrared light are those parts of the electromagnetic spectrum, and more specifically, the visible spectrum that favor plant and animal growth.

The photo below shows the types of light that affect how our cells function.



History of phototherapy technology

- Red light therapy began in 1903, and its inventor, Niels Finsen, won the Nobel Prize in Medicine for it.
- 1903: It began to be applied to the treatment of chronic pain, arthritis, joint rehabilitation and soft tissue damage.
- 1903: Humans discovered infrared therapy, which began to be applied to wound healing and health beauty.
- 1903: People discovered red light therapy has a significant role in promoting sports trauma tissue repair.
- Entering the 21st century, Red light, blue light, and infrared light therapy have a large amount of mature data, and are widely used in skin diseases, pain treatment, medical beauty and other fields, and have received strong support from many medical experts and groups.

Scientific Research on Red Light Therapy

The principle of red light:

Red light can penetrate human tissue, and about 80% of the energy is absorbed in the first 2cm. Red light energy has a significant impact on the stimulation of mitochondria. Mitochondria are tiny organelles that are the energy powerhouses of all the cells in our body. Red light therapy helps the mitochondria to produce more ATP (adenosine triphosphate), a complex organic chemical that powers processes in cells such as muscles contraction, transmission of nerve impulses, and chemical synthesis are present in all life forms. ATP is often referred to as the "molecular currency unit" of energy transfer in cells. When our cells get more energy, they can perform more vigorously. ATP can also promote cell cycle regeneration, enhance the discharge of harmful toxins and anti-inflammation ability, the health status will improve accordingly.

The principle of near infrared light:

Near-infrared light can penetrate deeper skin tissue, and about 50% of near-infrared light can penetrate to 8cm, and the deepest can reach 20cm (data from NASA, Hirosechi). Near-infrared energy heats tissue and is well-documented for use in pain therapy. Near-infrared light will stimulate the Na⁺/K⁺ pump, thereby increasing the permeability of the cell membrane, promoting the pH balance of the cell, increasing nutrient absorption and eliminating metabolic by-products, and has been widely used in the field of health and beauty.

Reduce Inflammation

Near-infrared (NIR) light reduces overall inflammation in the body by decreasing the presence of inflammatory markers. The reduction can help ease the symptoms associated with joint pain, sore muscles, autoimmune diseases, arthritis, traumatic brain injuries, and spinal cord injuries.

Improve Circulation

In many studies, LED light therapy has been clinically proven to increase the diameter of blood vessels and to improve circulation. That's more, LED light therapy also protects red blood cells against oxidative stress and limits platelet loss during surgical procedures.

Reduce Recovery Time

For high-performance athletes (and those who train like them), LED light therapy can help accelerate muscle repair following fatigue and injury. Mitochondria within cells are particularly responsive to LED light therapy, and muscle cells are exceptionally rich in mitochondria. LED light therapy may also stimulate stem cells, further assisting in muscle recovery.

Promote Cellular Health

The most significant benefit of LED light therapy is the effect it has on the body's cells. One of the most critical outcomes of LED light therapy on cellular function is the stimulation of collagen production. Collagen strengthens hair, is responsible for the health of connective tissue, and provides our skin with firmness and elasticity.

Stimulate Hair Growth

Alopecia, or hair loss, is a common disorder affecting 50% of males over the age of 40 and 70% of females over 65. Studies have shown that LED light therapy can stimulate hair growth. Red light wavelengths are believed to stimulate epidermal stem cells in the hair follicle, shifting the follicle into the anagen (active growth) stage.

Reduce Pain

In a clinical study, neuropathic pain caused by a spinal cord injury was dramatically reduced by the application of red light treatment. Near-infrared light wavelengths reduce overall pain by easing joint stiffness and soreness, diminishing inflammation, easing muscle spasms and enhancing blood flow.

Increase Fertility

Around the age of 30, male testosterone levels naturally start to decrease. Men hoping to achieve a marital bliss to their sex drives, sexual satisfaction, fertility, and physical performance can reap benefits from LED light therapy. Red and near-infrared wavelengths can stimulate photoreceptor proteins in the testes, causing higher testosterone production. Other studies have indicated that low-level light therapy may affect the pineal gland in the brain, which leads to a significant impact on reproduction.

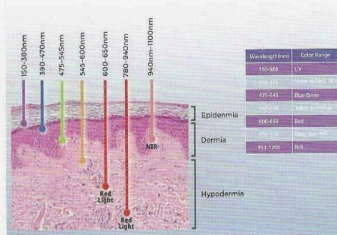
Improve Skin Health

LED light therapy can dramatically transform the skin. Red light wavelengths in particular target the mitochondrial cytochromes within skin cells, generating production of collagen proteins. Collagen stimulation yields more holistic and enduring benefits than simply resurfacing the outer layers of the skin. Stem cells may also be activated, increasing tissue repair. The result is accelerated healing and wound repair, improved appearance in hypertrophic scars, a reduction in fine lines and wrinkles, and improved skin texture.

The benefits of red light: The wavelength of red light is between 600-700 nanometers, which can adjust the texture and tone of the skin, smooth fine lines and wrinkles, promote the production of collagen, regenerate skin tissue and hair, and restore cell vitality, enhance the ability to expel harmful toxins and anti-inflammation.

The benefits of near-infrared light: Near-infrared light has a wavelength between 700-1100 nanometers, which can penetrate skin tissue, promote wound healing, relieve muscle soreness, nerve damage and joint pain by accelerating the decomposition of lactic acid.

When used in combination, red and infrared light increase the biological effect and promote the synthesis of collagen and elastin fibers.



The role of the pulse:

Pulses of different frequencies (usually 1Hz-10000Hz) have different effects on human skin tissue.

- (1) Low-frequency pulses reduce nerve sensitivity by reducing the production of the Brinikin Lucitrin protein that is necessary to transmit pain signals.
- (2) Medium-frequency pulses stimulate the production of endorphins. Endorphins are neuroactive substances produced by the pituitary gland of the brain. They have a great conditioning effect on the human body and have an analgesic effect. They are natural analgesics for the human body. At the same time, it can also regulate body temperature, respiration, heart rate, blood pressure and other functions. Endorphins can make people feel happy and euphoric, and can resist anxiety, depression and neurasthenia.
- (3) High-frequency pulses will promote cell mitosis and accelerate cell repair. Mitosis is the precise and equal distribution of the chromosomes of the parent cell to the two daughter cells after duplication (essentially DNA duplication). Since the chromosome has the genetic material DNA, the stability of hereditary traits is maintained between the parents and offspring of the organism.



Short Description

- Erhöhung des Energieniveaus sowie Verbesserung des Hautbildes.
- Verringerung von Entzündungen
- Linderung von Schmerzen
- Stimuliert das Haarwachstum.
- **Die Norahlux Star Rotlichttherapie ist ideal für die Anwendung während der Infrarotsitzung. Für ein optimales Wellness-Erlebnis haben bereits Dutzende von sehr positiven wissenschaftlichen Studien stattgefunden.**
- **In Geromin 105, 130, 151 Integriert (Bei reinen Infrarotkabinen)**

Additional Information

Saunatyp	Therapeutische Infrarotkabine
Therapeutische Wirkung	Ja
Detoxfunktion	Ja
Digitales Bedienfeld	Nein
Normale Steckdose	Ja
Wadenstrahler separat schaltbar	Nein
inkl. Aktionspaket im Wert von €399,-	Nein

Zusätzliche Optionen

KOSTENLOS IM DACH IHRER SUPERSAUNA-INFRAROT-KABINE ENTHALTEN (GILT NICHT FÜR ANDERE MARKEN ODER KOMBI-SAUNAS):	Ja	€ 0,00
MODELL SAUNA:		€ 0,00

