

Red Light

Targeting the Rapidly Growing Anti-Aging Industry with Red Light Therapy

(US)With Light Sources and LightTech's strategic partnership, red light low pressure lamps, skin rejuvenation is no longer a myth, but a matter of having the right knowledge combined with the right application device. The global anti-aging market is booming. In fact, many consider it to be recession proof. Light therapy skincare with UV-free red light fluorescent lamps are the new affordable and rejuvenating alternative to invasive techniques, such as plastic surgery or laser treatments..

Research studies, many experts and dermatologists indicate that red light therapy (or phototherapy) tightens skin and improves skin's elasticity by using visible light in the 633nm region, which also stimulates our body's photobiostimulation. This process has a great impact on our connective tissue, the network of our body, which consists primarily of collagen, water and non-red light proteins. The research studies have shown the red wavelength activates and speeds up the production of collagen and elastin in the body.

The advantages of anti-aging light therapy with **red light** lamps are simple:

- No harmful side effects
- Free of discomfort
- No damage to the skin
- No pain
- No downtime

A Unique Lamp to Fit Your System

And while skin firming products, lasers, and surgery enhance mostly facial skin or other targeted areas, red light lamps make it easy to give your entire body's skin a youthful look.

As a specialty lamp manufacturer, fluorescent lamps can be manufactured to meet your particular system design requirements. Simply put: We can design red lamps that will fit in your cosmetic equipment. Light Sources and LightTech also works with you during your design phase to develop the most efficient and effective lighting solution for your future success.

Natural Anti-Aging Treatments Prevail

The benefits of Light Sources' and LightTech's anti-aging technology become increasingly decisive when we consider the recent change in consumer's mindsets. Today, people seek to age naturally. In the pursuit of youthful skin and attractive appearance, they move away from invasive or painful treatments such as ablative lasers, dermal fillers, chemical peels or face lifts. Not only the costs, but also the risks of these methods are high: lengthy downtimes, pain or other side effects such as erythema, bruising, swelling or transient headaches. Red light therapies have no downtime, are safe and effective with consistent results for a significant amount of user.

Target Market & Perfect Response

Natural anti-aging therapies are especially important to female and male baby boomers – a vast market with enormous spending power. However, feeling young and attractive is a universal desire in many cultures around the globe. It even goes beyond demographic categories; consumers in their 20s and 30s want to circumvent the early visible signs of ageing such as fine lines and wrinkles. The use of gentle and UV-free red light fluorescent technology is the perfect response to these emerging market requirements.

A Proven Effect

To acquire profound knowledge and explore the red light effect, many experts, dermatologists and university physicians have conducted observational as well as medical light therapy studies with the use of visible red light (600nm to 700nm). For more information and studies, please contact us.

When talking about red light therapy, it's important to know that the currently available technologies utilize very different light sources, such as fluorescent lamps, LEDs, infrareds or lasers. All biological systems have a unique absorption spectrum that determines which radiation wavelengths will be absorbed to produce various affects. Unlike our non-ablative skin rejuvenation technique, other techniques are extremely expensive and painful. Ablative lasers such as carbon dioxide (CO2) and erbium YAG (yttrium aluminum garnet) lasers may also improve skin surface texture, but the wavelength of such equipments reaches into the far infrared spectral range (up to 1,500nm and higher). The risks of skin damage and pain are high and most patients confirmed to have suffered from erythema (reddening) for several days.

If you want to learn more about the skin and how red light lamps work, contact us.