

Low Level Light Therapy

Experience relief from dry eyes and discomfort with our innovative low-level light therapy (LLLT) treatment. Our LLLT solution offers a non-invasive and gentle approach to alleviate dry eye symptoms effectively. By targeting inflammation and promoting cellular rejuvenation in the eyes, LLLT helps restore moisture and soothe irritation, providing lasting relief from dryness, redness, and irritation.

Say goodbye to constant discomfort and hello to refreshed, comfortable eyes.



NOVAVISIONCENTER.COM

Near Infrared Light

ENHANCED CELLULAR REPAIR:

Near-infrared light penetrates deeply into tissues, stimulating cellular repair and regeneration.

PAIN RELIEF: Helps to reduce pain and discomfort associated with conditions such as arthritis, muscle strains, and neuropathy.

IMPROVED CIRCULATION: Enhances blood circulation by dilating blood vessels and increasing the delivery of oxygen and nutrients to tissues.

ENHANCED BRAIN FUNCTION: Shown potential in improving cognitive function and mental clarity.

Find Us

5653 Columbia Pike #101
Falls Church, VA 22041

Mon- Fri: 9:00 am - 6:00 pm

Sat: 9:00 am - 1:00 pm

Sun: Closed

Contact Us

703.578.3600
novavisioncenter.com

NOVA

VISION CENTER

Low Level Light Therapy



Illuminate Your Wellness:
Discover the Power of
Low Level Light Therapy

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Red Light

INFLAMMATION REDUCTION AND ATP PRODUCTION STIMULUS

Key Highlights on Red LLLT:

Improves cells metabolism due to increased ATP production within mitochondria.

Reduces inflammation by regulating antioxidant defenses and reducing oxidative stress.

Light-induced activation of transcription factors and signaling pathways.

When a 15-minute treatment is applied, the total fluence in the treated area is up to 100 Joules/cm².

The low-level light device has an emission power up to 155 mW/cm².



Blue Light

EFFECTIVE FOR BACTERIAL ERADICATION

Key Highlights on Blue LLLT:

Blue light's energy is absorbed by molecules known as porphyrins present in bacteria, initiating photo sensitization.

Exposure to this light induces photo dynamic inactivation, a process wherein bacteria are destroyed by light.

Porphyrin molecules bound to the cell membrane produce singlet oxygen radicals, causing harm or disruption to the cell wall of various gram-positive bacteria, leading to their demise.

Bacteria possess relative feeble defense mechanisms against singlet oxygen, which amplifies the effectiveness of photo dynamic inactivation.

Yellow Light

FOR DRAINAGE AND ALLEVIATION OF SWELLING

Key Highlights on Red LLLT:

Yellow light also impacts mitochondrial respiration, elevating ATP production.

Facilitates the release of nitric oxide aiding in neurotransmission and tissue healing.

Mitigates the inflammatory response by diminishing edema.

Enhances skin suppleness while reducing metalloproteinase activity.

Stimulates fibroblast activity, promoting the production of collagen and elastin fibers in the dermis for reducing wrinkles.

