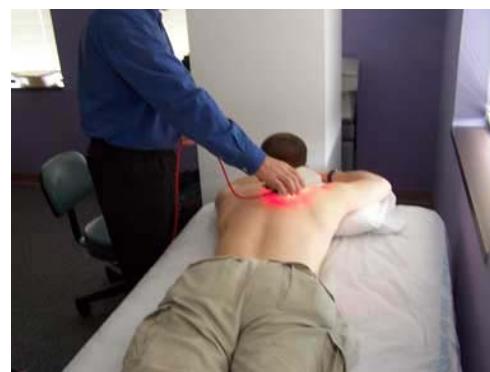


The above chart describes the process of cellular light absorption and some of the resulting biochemical events from light absorption. Increased ATP production results and leads to synthesis of needed proteins, enzymes, and other tissue components. This accelerates metabolic activity and cellular repair processes.

### Photonic Energetics PE-1 Product Features

- 140 LED high density, high power array – using 5 wavelengths of far red to near infrared
- Delivers 1.6 joules per second or 96 joules per minute
- Pulse and direct (continuous) mode selectable
- 10 selectable bio-resonant Nogier derived pulse frequencies (4.5 Hz, 9 Hz, 18 Hz, 36 Hz, 72 Hz, 146 Hz, 293 Hz, 586 Hz, 1172 Hz, 4688 Hz)
- Auto sequence frequency select mode
- High precision quartz oscillator and reliable digital circuitry
- Precise digital intensity control – 10 settings adjustable in 10% increments
- Automatic shutdown 15 minute timer with audible tone alert and manual restart for additional 15 minute sessions
- High quality ergonomic design and construction
- Fully padded carrying case is included
- Dimensions: 6"(L) x4" (W) x 1 1/8" (D)
- High capacity universal protected 120/240 Volt AC, 3.5 Amp computer grade power supply
- 12 volt car adapter and high capacity 5000mAH rechargeable field battery packs are available as options



**Photonic Energetics Model PE-1  
Portable Light Therapy System**



The Photonic Energetics Model PE-1 sells for \$1600.00

Photonic Energetics is privately owned company. Products are designed and manufactured in Raleigh, NC USA.

For purchases or additional information

contact:

Larry Garwood

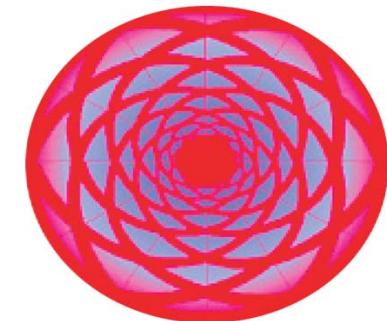
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**PHOTONIC ENERGETICS**  
Dynamic Light Therapy

## WHAT IS DYNAMIC LIGHT THERAPY?

Light therapy is a safe and simple to use technique that can benefit many physical recovery processes and assist in pain control. It involves the concentration of specific wavelengths of light in both the visible red and invisible infrared spectrum delivered at specific intensity levels.

Over 40 years of worldwide independent research, including NASA, confirm many therapeutic benefits resulting from concentrated narrow band light therapy .

Red light is quite helpful in treating problems close to the surface of the skin such as wounds, cuts, scars, infections, and acupuncture points.

The longer wavelength of invisible infrared light penetrates more deeply into the body and is more effective in providing relief for ailments involving bones, joints, deep muscle and connective tissues, the vascular system, and organs.

Superluminous LEDs (Light Emitting Diodes) produce the specific wavelengths of concentrated light at optimal intensities to safely provide the therapeutic benefits of light therapy without adverse side effects.

Pulsing the LEDs at specific rates known as Nogier frequencies produce bio-resonate effects that further enhance the therapeutic action. Precise frequencies are used to resonate with specific body tissues and dynamically reinforce their healthy function.

## WHAT ARE THE THERAPEUTIC EFFECTS?

- ❖ Increases blood circulation and lymph flow – this provides additional oxygen and nutrients to accelerate natural tissue healing processes
- ❖ Stimulates cellular energy leading to improved cellular metabolism
- ❖ Relaxes muscles, and may reduce nerve excitability
- ❖ Reduces scar tissue and stimulates wound healing
- ❖ Reduces tissue inflammation and edema associated with swelling
- ❖ Stimulates immune response
- ❖ Stimulates acupuncture points
- ❖ Stimulates production of collagen— an important component of wound healing
- ❖ Accelerates the body's natural processes to control infection and accelerate healing of damaged cells
- ❖ Stimulates production of brain neuro-chemicals such as endorphins that may reduce pain and elevate mood
- ❖ Stimulates production of hormones — which facilitate long term pain relief and resilience to stress

## WHAT CONDITIONS MAY BENEFIT?

Research indicates that light therapy may be beneficial in several key areas:

- *Inflammatory conditions* (such as bursitis, tendonitis, arthritis, rhinitis and chronic inflammation associated with Lyme's disease, and other infectious disorders ).
- *Acceleration of recovery from strenuous activities* and athletic overexertion resulting in sore muscular and connective tissues.
- *Wound care and tissue repair* (such as diabetic ulcers, neuropathy, bedsores, mouth ulcer, acne, bone fractures, tendon ruptures, damaged ligaments, torn cartilage, surgical procedures etc). Reduction in scar tissue formations from old or slow healing injuries.
- *Pain control* (eg. low back pain, neck pain, and pain associated with inflammatory conditions — carpal tunnel syndrome, arthritis, neuropathy, tennis elbow, golfer's elbow, shingles and post-herpetic neuralgia, and complex regional pain disorders).
- *Calming* an over aroused nervous system

## DESCRIPTION OF THE PROCESS

*Light therapy is simple to administer.* The hand held unit can be directly applied to problem areas or directed to the acupuncture meridians.

*Specific Nogier frequencies can be used to enhance the therapy.* The treatment time will vary based on individual response and the severity of the condition under treatment.

*Light therapy is equally beneficial for both humans and pets. It is safe for children and for the elderly.*

*A typical session takes 15 minutes or less.*