

## Healing with Single Frequency Light (Monochromatic Light) – LED's

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**EARLY EXPERIMENTS:** In 1965, the Russians and Czechs were standardizing color therapy. They discovered that a single frequency light in a laser can stimulate DNA in damaged cell tissue. They used a low power laser under 50-milliwatts because high powered lasers can cut tissue.

**PULSED VS. CONTINUOUS LASER:** They discovered that if they used a pulsed laser light, the tissue healed rapidly. If they gave a continuous beam, it sedated the cell and reduced the pain. When a single frequency pulsed light hit the cell, it actually stimulated the cell to start producing more protein than it normally does, and as a result, the cell would heal. Even when they took the light away, the cell continued its healing. The continuous beam caused the cell membrane to relax; it reduced pain and inflammation and made muscle tissue relax.

**WAVELENGTH OF CELL TISSUE:** About ten years later at the University of Chicago, researchers discovered that the average wavelength of cell tissue in the human body ranged between 600 nanometers and 720 nm; 660 is the mid-point. So in essence, the reason a 660 nm works better than any other single frequency is because it is closer to the resonant frequency of cell tissue. The other reason is that 660 nm absorbs better in hemoglobin.

**LASER LIGHT VS LIGHT EMITTING DIODES (LED):** LED light diffuses; the single frequency laser does not. With this diffusion, the cell can actually be in control of the treatment and shut off the molecules when it was done. But with the laser, the cells are no longer in control; the doctor or the practitioner applying the laser is in control. If he does it too long or with too much strength, you would not only heal the tissue, but you would start a deterioration again. The use of light-emitting diodes eliminated a major draw back of lasers, and light can safely be applied into such sensitive areas as the eyes and around the face. LEDs allow this technology to be safely used by average people in their homes. Tiina Karu, Ph.D. of the Laser Technology Center in Russia, and affiliated with the University of California at Berkely, published a study in Health and Physics Digest called "Photobiological Effects of Lasers" which discusses photobiological stimulation without laser light. The article explains that you can do laser treatment without using laser light, by using light emitting diodes which are much safer. Since the cells are basically in control of the process, there is no way to overuse light.

**THE MERIDIAN SYSTEM:** Acupuncturists discovered that single frequency light could activate acupressure points. Pulse light could stimulate it; continuous light could sedate the acupuncture points. But they also discovered that light applied to a meridian end-point can actually be traced flowing through the meridian to the organ acupuncture points. The meridian system is a useful pathway for getting light deeper into the body, so if you are treating things like asthma in the lungs, there is an alternate method of getting light into the lungs.

**DEPTH OF LIGHT PENETRATION:** As we developed more types of lights with different geometrical shapes, we were able to actually get light deeper into the body without going through the meridians. Initially, single frequency light penetrated approximately an inch and a half, but today, larger units can penetrate up to eight inches. It will go through the skull. We use it on strokes, concussions and internal problems in the brain. Excellent studies have been done using light for pain relief, degenerative osteoarthritis, carpal tunnel tendonitis, skin ailments, acne, psoriasis, healing of the sinus cells, throat and ear problems, whiplash and lower back problems.

**PENETRATING THROUGH THE BLOOD STREAM:** You can even get light into the blood stream. One of the best ways is through your belly button, because the aorta artery is behind the belly button. So if you insert the light there for 20 minutes, every drop of blood in the body will pass in front of the light, increasing the activity of your white cells, red cells, B-cells and T-cells, so you can boost your whole immune system.

**ACUTE VS CHRONIC CONDITIONS:** If you use lasers or light-emitting diodes, it can actually speed up healing by a factor of five. If you have chronic conditions like osteoarthritis or whiplash, conditions that have not responded or are deteriorating, the use of laser and LED light has actually stimulated regeneration.

**BRAIN WAVE STUDIES:** We found that when we treat the person with light, or with heat, that when the body starts healing, it shifts into what is called a healing profile where beta waves disappear, and alpha, theta and delta appear like you wouldn't even find in a yogi.

**THERMAL THERAPY FOR IMMUNITY:** A rectal heat probe allows the temperature to rise to between 98 degrees and 113 degrees in the rectum. It supports prostate troubles and may shrink the prostate. It helps hemorrhoids. Rectal therapy makes your body think you have a fever, even though the heat is only in the rectum. So the body will fight the fever by generating new white cells in the bone marrow. In this way, you can increase your white cell count overnight in lowered immune systems. Many thermal units are being used to boost the immune systems of people with serious illnesses such as cancer, AIDS and lowered immunity. We have used heat to help generate new white cells in depleted immune systems, and we use light on the blood stream to help regenerate red cells, white cells, B and T-cells. So the combination of light and heat has been very effective with critical conditions.

For more information or to order contact:  
**Health TLC** (540) 377 – 9453 [www.healthtlc.com](http://www.healthtlc.com)

## All LED Lights Are Not Created Equal

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After 25 years of research and practical application with distressed people, the “Light Energy Company” found that to get the maximum Tissue Relaxation, Pain Reduction and Dynamic Rejuvenative benefits, the following conditions must be part of any LED light-tool:

1. The LED light-tool is most effective using a Single Light Frequency of 660 nanometers. Other wavelengths work, but are not as effective.
2. The LED light-tool must not mix different wavelengths in the light-tool. This sends conflicting signals to the cells and decreases response.
3. If multiple LED bulbs are placed too close together on the light-tool, it produced a similar effect to what physics calls “Destructive Interference Patterns”. In this case the single wavelength from each of the bulbs, refracting through tissue, would appear to the cell as a multiple wavelengths and the cells do not respond as well. See point (2) above.
4. The LED light-tool must have a very specific and constant voltage delivered to the LED Lights. This insures the proper 660 nm Singularity of the Light Frequency.
5. The LED lights must give off a very specific luminosity or brightness to insure the cells will absorb the maximum amount of light and optimize cellular response.
6. The spacing of the LED Bulbs must adhere to the mathematical indices of very specific geometric forms in order to achieve maximum effective penetration depth, for Single Frequency Light. During the research and practical application it was discovered that much deeper benefits came from very specific LED Light patterns than from ordinary patterns.
7. The LED light-tool must have Cycling (pulsing) settings as well as a Constant-On setting. It has been discovered that Tissue Relaxation and Pain Reduction come from a constant-on setting. The Dynamic Rejuvenative benefits will be maximized by cycling the Single Frequency light. Research has shown that very specific cycles were discovered to have the most rejuvenative effect for specific conditions.

If the LED light-tool does not meet all the above conditions then some reduced benefits may come from the device. However if you want to be guaranteed the Maximum Tissue Relaxation, Pain Reduction and Dynamic Rejuvenative benefits, then the device you select and use MUST meet the above criteria discovered through scientific research to produce the full range of maximum benefits.

### **Every “Light Energy Company” product has:**

1. The LED light bulbs on all our units are placed far enough apart to maintain a pure Single Light Frequency of 660 Nanometers.
2. All our units have been built to maintain a constant voltage to the LED lights.
3. The luminosity or brightness of the Single Frequency Light on all our units has been set to 8,000 LUX.
4. Two of our units, the Light Disc and the Light Pad, have the LED lights spaced apart based on the mathematical indices of the tetrahedral pyramid.
5. All of our units have a constant-on and cycling settings of 266 and 17028 cycles per second.

Because all of the research from around the world, as well as Light Energy Company's own research, pointed to these five qualities as “Must Haves” for maximum Tissue Relaxation, Pain Reduction and Dynamic Rejuvenative benefits the “Light Energy Company” goes to great lengths to insure all of its patented products have all these qualities built in. The LED Light Tools on this website are the best and most beneficial products available today anywhere in the world. When you use our products you will experience the maximum benefits in the shortest time possible. From our products you will receive benefits beyond your imagination right now.

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If you are in discomfort or in distress then order one of our products today and experience the relief you deserve through the dynamic healing qualities of Light.

Let There Be Light

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We offer the lowest advertised prices available on Light Energy Products.