

Shining light on:

brilliant light therapy

## ***Why You Should Choose In Light Wellness Systems***

***What is it? Who is it for?***

***Why is it different?***

***Why should you be interested?***



**In Light**<sup>®</sup>  
WELLNESS SYSTEMS

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## What Are In Light Wellness LED Light Therapy Systems?

In Light Wellness LED light therapy systems are photo-modulated devices that provide low-level light therapy (LLLT), or when multiple wavelengths are emitted simultaneously, polychromatic light therapy (PLT). The infrared, visible red and blue LEDs are the heart of this system, providing gentle but powerful non-coherent light. These devices use a carefully timed proprietary sequence of settings, known as pulses, to create an environment in which change may occur more rapidly, and consistently.



### Who It Is For?

In Light Wellness devices can be used both in a clinical setting or for home use. Common pad connections on both clinical and consumer controller units allow clients to use any of the assortment of pads in either environment.

### Why It Is Different?

#### VERSATILE

In Light Wellness components comprise the system, a group of components designed to work together. Pads are available in various shapes and sizes to suit:

- ▶ **straight or flexed joints (elbow, knee, ankle/foot)**
- ▶ **large back areas**
- ▶ **small local areas**
- ▶ **individual points**

#### EASY TO USE

Simple and easy to use controls feature automatic & manual override controller settings, flexible pads with unlimited positioning and velcro style straps to secure the pads to the area of application.

#### POWERFUL

200mw, 17° infrared LEDs, 4,500 millicandela (mcd) visible red LEDs. The effective "as measured" output per diode is 72Mw/cm<sup>2</sup> for IR and 5Mw/cm<sup>2</sup> for visible red.

#### CROSS CONTAMINATION

The use of an inexpensive off the shelf plastic bag (baggie) as a barrier is simple, easy and effective. There is no requirement to wrap the area or pad in cling film.

#### USER MANUAL

A comprehensive manual is included with each system.

- ◀ Cover of the 2/Port Controller user's manual

# Why You Should Be Interested?

## LIGHT THERAPY HAS BEEN SHOWN TO:

**Increase circulation:** Circulation is increased by increasing the formation of new capillaries, which are additional blood vessels that replace damaged ones. New capillaries speed up the healing process by carrying more oxygen as well as more nutrients needed for healing, and they can also carry more waste products away.

**Stimulate the production of collagen:** Collagen is the most common protein found in the body. Collagen is the essential protein used to repair damaged tissue and to replace old tissue. It is the substance that holds cells together and has a high degree of elasticity. By increasing collagen production less scar tissue is formed at the damaged site.

**Stimulate the release of adenosine triphosphate (ATP):** ATP is the major carrier of energy to all cells. Increases in ATP allow cells to accept nutrients faster and get rid of waste products faster by increasing the energy level in the cell. All food turns into ATP before the cells utilize it. ATP provides the chemical energy that drives the chemical reaction of the cell.

**Increase lymphatic system activity:** Oedema, which is the swelling or natural splinting process of the body, has two basic components. The first is a liquid part, which can be evacuated by the blood system, and the second is comprised of the proteins that have to be evacuated by the lymphatic system. Research has shown that the lymph vessel diameter and

the flow of the lymph system can be doubled with the use of light therapy. The venous diameter and the arterial diameters can also be increased. This means that both parts of oedema (liquid and protein) can be evacuated at a much faster rate to relieve swelling.

**Reduce the excitability of nervous tissue:** The photons of light enter the body as negative ions. This calls upon the body to send positive ions, like calcium among others, to go to the area being treated. These ions assist in firing the nerves, thereby relieving pain.

**Stimulate fibroblastic activity that aids in the repair process:** Fibroblasts are present in connective tissue and are capable of forming collagen fibres.

**Increase phagocytosis:** The process of scavenging for an ingesting dead or degenerated cells by phagocyte cells for the purpose of clean up. This is an important part of the infection fighting process. Destruction of the infection and clean up must occur before the healing process can take place.

**Induce a thermal like effect in the tissue:** The light raises the temperature of the cells through a photochemical reaction.

**Stimulate tissue granulation and connective tissue projections:** Part of the healing process of wounds, ulcers or inflamed tissues.

**Stimulate acetylcholine release:** Acetylcholine causes cardiac inhibition, vasodilation, gastrointestinal peristalsis and other parasympathetic effects.



## Typical Uses For Light Therapy

Many people with symptoms associated with the following issues have reported positive results using LED light therapy:

<i>Acute neck and back pain</i>	<i>Fractures</i>	<i>Sore backs</i>
<i>Ankle problems</i>	<i>Haematomas</i>	<i>Sprains</i>
<i>Arthritis pain and restricted movement</i>	<i>Open wounds with negligible formation of scar tissue</i>	<i>Strains</i>
<i>Bone spurs</i>	<i>Inflammation</i>	<i>Swelling</i>
<i>Bone fractures</i>	<i>Leg pain</i>	<i>Tendon problems</i>
<i>Bruises</i>	<i>Neuralgia</i>	<i>Tennis elbow</i>
<i>Burns</i>	<i>General pain relief</i>	<i>Tight muscles</i>
<i>Bursitis</i>	<i>Peripheral neuropathy</i>	<i>Training (resistance/cardio)</i>
<i>Carpal tunnel syndrome</i>	<i>Pressure ulcers</i>	<i>Reduction of scar tissue</i>
<i>Deep muscle problems</i>	<i>RSI/RSP</i>	<i>Wrist pain</i>
<i>Golfer's/tennis elbow</i>	<i>Shoulder pain</i>	

### What Are Ilws Devices FDA Cleared For?

In Light Wellness Systems polychromatic light therapy devices are FDA cleared for increasing circulation and reducing pain.



#### Disclaimer

Statements contained herein have not been evaluated by the FDA. In Light Wellness Systems™ devices are not intended to diagnose, treat, cure or prevent any disease.

#### FDA product listing

All In Light Wellness Systems™ devices are FDA cleared.

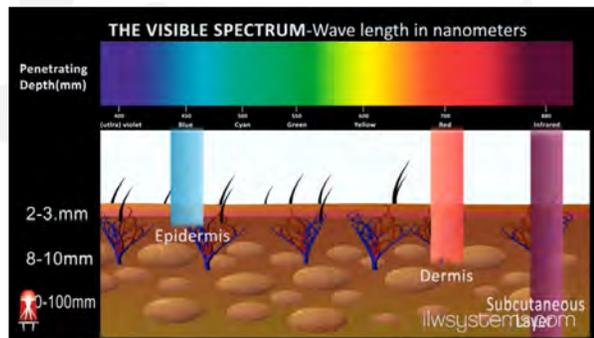
The In Light Wellness Systems™ manufacturing facility is an FDA registered facility and subject to regulation and inspection requirements.

#### Warranty & Repairs

One year, unit replacement policy

# Our Mission

Design, manufacture and deliver the finest LED Light Energy systems in any marketplace while supporting our distribution network and serving our customers with consistency, integrity and respect.



**In Light Wellness Systems: Animation**  
Viewable at: [ilwsystems.com/ledanimation](http://ilwsystems.com/ledanimation)



**In Light Wellness Systems: Overview**  
Viewable at: [tinyurl.com/ilwsoverview](http://tinyurl.com/ilwsoverview)



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