



ATP OPTIMAL SERIES LED LIGHT THERAPY USER MANUAL

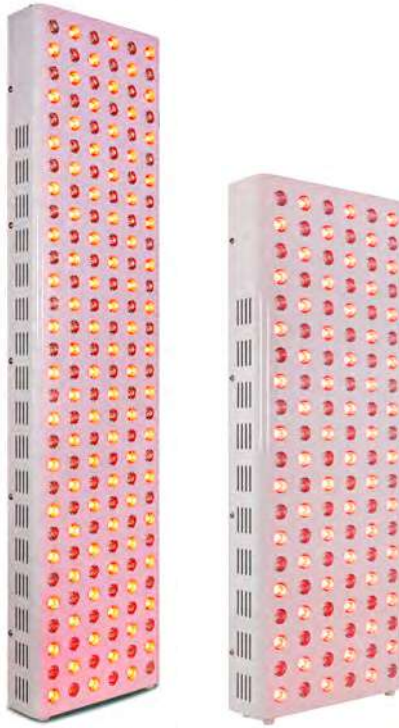
MOST POWERFUL COMBO RED & INFRARED MODELS

Welcome to the world of light therapy! The ATP Optimal is the ultimate solution for a healthier and more beautiful you! With its cutting-edge red light therapy technology utilizing 660 nm and 850 nm wavelengths. Unlock the secrets to a healthier and more beautiful you!



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All relevant national, regional and local safety regulations must be observed when installing and using this product. For safety reasons and to help ensure compliance with the documented system data, component repairs may only be carried out by the manufacturer. Failure to observe this information may result in injury or damage to the equipment.

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Enterprises by Z&C
Veerstraat 13A
1404CG, Bussum
+31630972659 info@panacearedlight.com
Panacea Light Therapy

This manual is for users of the Panacea Light Therapy ATP Optimal series. Please read this manual carefully before using the light.

Read and understand this manual and the safety instructions before using this product. Failure to do so may result in serious injury.

Follow all instructions. This will prevent fires, explosions, electric shocks or other hazards that could result in property damage and/or serious injury or death. The product may only be used by persons who have fully read and understood the contents of this user manual.

Make sure that anyone using the product has read and follows these warnings and instructions.

Keep all safety information and instructions for future reference and pass them on to subsequent users of the product.

The manufacturer shall not be liable for any damage to property or personal injury caused by improper handling or failure to observe the safety instructions. In such cases, the warranty shall become void.

ABOUT THE ATP OPTIMAL SERIES:

The ATP Optimal is a Red and NIR LED light lamp, with a 5W dual-chip light source. The models are free flicker and high irradiance.

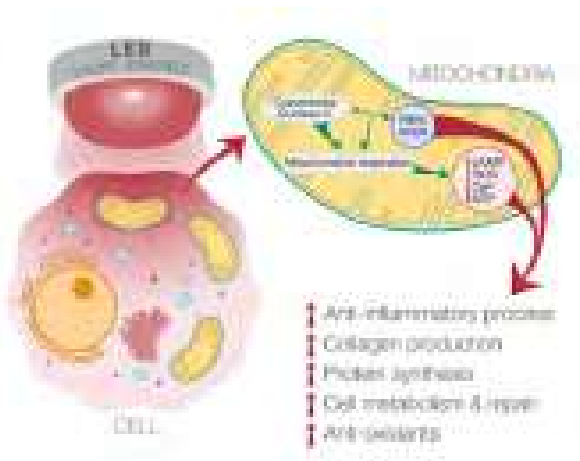
So you've got a ATP optimal series therapy light that is a high power device delivering over 150mw/cm² of light power to your body in two different wavelengths of 660 nanometer as well as 850 nanometer. As you may have already learned, these are clinically proven wavelengths of natural light that have been extensively studied and have shown to have the greatest effect on human biology.


Please take your time to read this manual to learn everything you need to know to safely and effectively enjoy the benefits that can be derived from the use of daily red and near infrared light therapy.

Whats Included:

- 1 x LED Therapy Light
- 1 x Power Cord
- 1 x Adjustable Rope Clip Hanger
- 1 x Hanger Kit
- 1 x User Manual
- 1 x Door Mount
- 1 x Eyes Protector

HOW DOES LED LIGHT THERAPY WORK?





The most well studied mechanism of action surrounding red and near infrared light therapy is increased mitochondrial energy production in our cells. Mitochondria can be thought of as the energy production plants of all the cells in our body. Red and near infrared light therapy helps the mitochondria create more of that energy. The specific photons found in red and near infrared light interact with photoreceptor within our cells called cytochrome c oxidase. This interaction stimulates the mitochondria in our cells to use oxygen more efficiently, which allows the mitochondria to produce more ATP (also known as cellular energy).

During the LED light therapy treatment chromophores within our cellular mitochondria absorb red and infrared light photons, and convert them into energy. Once this red light energy has been absorbed by the body, it is then used by the cells to build new proteins such as collagen and elastin, and to assist with cellular regeneration. When our cells have more energy, they perform all of their functions better. When our cells are functioning optimally, our bodies function optimally.

WHAT ARE THE BENEFITS?

Reduce Inflammation

(NIR) light reduces overall inflammation in the body by decreasing the presence of inflammatory markers. This reduction can help ease the symptoms associated with joint pain, sore muscles, autoimmune diseases, arthritis, traumatic brain injuries, and spinal cord injuries.

Improve Circulation

In many studies, LED light therapy has been clinically proven to increase the diameter of blood vessels and to improve circulation. What's more, LED light therapy also protects red blood cells against oxidative stress and limits platelet loss during surgical procedures.

Reduce Recovery Time

For high-performance athletes (and those who train like them) LED light therapy can help accelerate muscle repair following fatigue and injury. Mitochondria within cells are particularly responsive to LED light therapy, and muscle cells are exceptionally rich in mitochondria. LED light therapy may also stimulate stem cells, further assisting in muscle recovery.

Promote Cellular Healthy

The most significant benefit of LED light therapy is the effect it has on the body's cells. One of the most critical outcomes of LED light therapy on cellular function is the stimulation of collagen production. Collagen strengthens hair, is responsible for the health of connective tissue, and provides our skin with firmness and elasticity.

Stimulate Hair Grow

Alopecia, or hair loss, is a common disorder affecting 50% of males over the age of 40 and 75% of females over 65. Studies have shown that LED light therapy can stimulate hair growth. Red light wavelengths are believed to stimulate epidermal stem cells in the hair follicle, shifting the follicle into the anagen (active growth) stage.

Improve Skin Healthy

LED light therapy can dramatically transform the skin. Red light wavelengths in particular target the mitochondrial chromophores within skin cells, generating production of collagen proteins. Collagen stimulation yields more holistic and enduring benefits than simply resurfacing the outer layers of the skin. Stem cells may also be activated, increasing tissue repair. The result is accelerated healing and wound repair, improved appearance in hypertrophic scars, a reduction in fine lines and wrinkles, and improved skin texture.

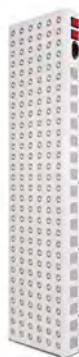
Increase Fertility

Around the age of 30, male testosterone levels naturally start to decrease. Men hope to achieve a natural boost to their sex drives, sexual satisfaction, fertility, and physical performance can reap benefits from LED light therapy. Red and near-infrared wavelengths can stimulate photoreceptor proteins in the testes causing higher testosterone production. Other studies have theorized that low-level light therapy may affect the pineal gland in the brain, which bears a significant impact on reproduction.

Reduce Pain

LED light therapy can dramatically transform the skin. Red light wavelengths in particular target the mitochondrial chromophores within skin cells, generating production of collagen proteins. Collagen stimulation yields more holistic and enduring benefits than simply resurfacing the outer layers of the skin. Stem cells may also be activated, increasing tissue repair. The result is accelerated healing and wound repair, improved appearance in hypertrophic scars, a reduction in fine lines and wrinkles, and improved skin texture.

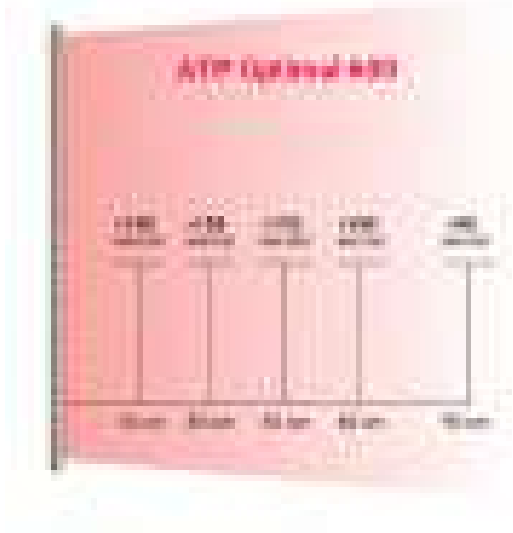
TECHNICAL INFORMATION & SPECIFICATIONS:



Model	ATP Optimal Series 600	ATP Optimal Series 900
Power	600W	900W
LED Chip	120X5W Double Chip	180X5W Double Chip
Color Ratio	660nm: 850nm= 1:1	660nm: 850nm= 1:1
Light Angle	60 Degree	60 Degree
Dimension	620*220*70mm	920*220*70mm
Net Weight	4.9KG	7KG
Irradiance	>150mw/cm ²	>160mw/cm ²
Life Span	10,000 Hrs	10,000 Hrs
EMF Emission	0.0 μT @ 6"	0.0 μT @ 6"
Best For	Half Body	Full Body

IRRADIANCE AND COVERAGE:

Irradiance



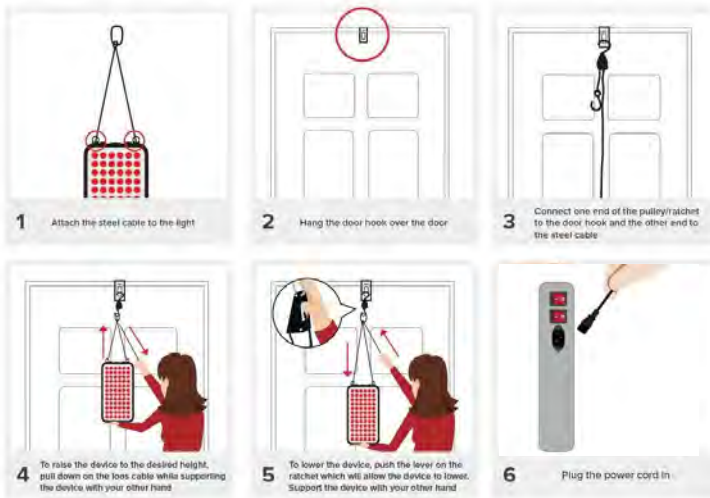
Irradiance



HOW TO USE YOUR RED LIGHT THERAPY:

1. Mount your LED therapy light to door or wall use a hanging fixture, or hang it against a wall or surface. You can also stand your light upright during usage.
2. Turn the power switches on position.

There are 2 separated switches or deep red 660nm and near infrared 850nm.



Warm tips

1. Please wear eye protector if you are sensitive to the light.
2. Please expose and lighten skin directly to light therapy to get better results.
3. Use your device every day will maximize the rate of response and healing and it is very important to be consistent with red light therapy.

FREQUENTLY ASKED QUESTIONS:

How long should I use the device for?

In order to use ATP Optimal Series LED therapy lamp to achieve the best effect, please follow the following basic health benefits:

- Position yourself about 15cm away from the device. Expose your skin for best results.
- Approximately 10 minutes of treatment time per covered area, which can be used every day.

Q: Should I wear eye protection?

A: Eye protection is not required or necessary. However, we don't recommend looking directly at the LEDs because it can sometimes be uncomfortable. With that said, your eyes typically become accustomed to the light and it is then OK to open your eyes, as long as you don't feel uncomfortable.

Q: Why aren't the infrared LEDs working?

A: I can't see them. Near infrared (NIR) light is actually not visible to the naked human eye. It is outside of the visual spectrum, and as a result, it cannot be seen. However, there is a very slight glow that comes from the LEDs, especially in dark conditions, so if you are concerned the NIR LEDs are really not working, you can test them that way.

Q: Can children use the device?

A: Yes, children can use the device under adult supervision. Never use the device on infants, though. If a child is older than 12 years old, they may follow the previously referenced treatment times. If a child is younger than 12 years old, they should opt for half the dose that would be recommended for adults.

Q: When can I expect results?

A: Results vary depending on goals and treatment consistency. With that being said, many people will experience benefits such as increased muscle recovery, relief of pain and increased wound healing relatively quickly. However, more systemic benefits such as enhanced skin health, increased energy, improved hormonal health and increased quality of sleep may take 8-12 weeks of consistent use. Using your device every day will maximize the rate of response and healing. It is very important to be consistent with red light therapy.

Q: Does red light therapy interfere with the medications?

A: Red and near infrared light therapy has been proven in thousands of clinical studies and peer reviewed clinical trials to be not only safe but also effective. However, if you use medications such as Tetracycline, Digoxin, Retin A, and/or other photo sensitizing drugs, we recommend consulting with your doctor or health care provider before using the device.

Q: How long should I use the device for?

A: Position yourself about 20cm from the device. Expose your skin for best results. Approximately 10-20 minutes treatment times per coverage area. Daily use is ideal, any time of day. 2-14 times one week, repeat on areas if desired. Use it for 6-8 weeks until results are felt.

Q: Can I wear clothing during my treatment sessions?

A: Of course, just make sure that the area that you're treating is completely exposed.

SAFETY INSTRUCTIONS, WARNING, DISCLAIMER:

To preserve the life and functionality of the device, surfaces. always store it in a cool, dry place when possible. For proper use and safety, please be sure to read this manual and follow all instructions and do not do any of the following with the device:

- DO NOT let children use the device Without adult supervision.
- DO NOT use this device on infants.
- DO NOT let sleeping, disabled, or unconscious persons use the device.
- DO NOT exceed 20 minutes of use in one therapy session.
- DO NOT use your device on open, fresh wounds.
- DO NOT use in combination with liniments, salves, ointments, or balms that contain heat producing ingredients. A skin burn could be the result of doing so.
- DO NOT modify or attempt to repair This equipment. There are no parts that are serviceable by the user. The light is an electrical device. To avoid electric shock and other electricityrelated dangers, adhere to the following instructions.
- DO NOT wash electrical parts with water or other liquids.
- DO NOT drop your device in water or other liquids or place it where it may fall into water or other liquids.
- Do NOT expose your device to running water. If your device comes into contact or becomes submerged into water or other liquid, unplug it immediately from the electrical power outlet. If the device is to be used in the vicinity of water, we recommend using an electrical outlet protected by Ground Fault Circuit Interrupter.
- DO NOT directly touch the device or touch the plugs or switches with wet hands.
- DO NOT apply or touch the device to, or with, wet or damp skin.
- DO NOT pull, carry, or lift the device by its cord. If the cord is damaged, dont use the device.

- DO NOT use on or near heated surfaces.
- DO not operate this device in areas Where it could be exposed to flammable or combustible product.
- DO NOT store your device in hot temperatures exceeding 60 degrees Celsius.

Cautions

We recommend that you consult your healthcare provider earlier if you think you may be sensitive to light. Some cold and allergy medications, painkillers and medications used to treat infections can cause light sensitivity. We also recommend that you consult your healthcare before using the device if you are pregnant, have a suspicion or cancer lesions, or have recently received a steroid injection or use topical steroids. If you experience discomfort or worry about the device, stop using immediately and contact your healthcare provider. Disconnect the outlet. when not in use to avoid tripping hazards.

Disposal

The symbol on the right, which is on the device or in the packaging, indicates that the unit must not be disposed of with other household waste. This device requires disposal via a designated collection point for recycling of electrical waste. Please recycle your disposal equipment to conserve natural resources and protect humans health and environment.



Disclaimer

This product is not intended to diagnose, cure or prevent any disease. We make no claims either guarantees regarding the ability of this product to cure something physical, skin or mental state from using this product. A qualified healthcare professional should always be consulted before using this product with respect to any conditions that require medical attention

MAINTENANCE, CUSTOMER SERVICE, WARRANTY:

Maintenance

The device requires no maintenance other than basic maintenance and regular cleaning. It is easy to clean the device, just unplug it and wipe the surface with a damp cloth or paper towel. Do not use harsh cleaning chemicals or bleach as they may damage the device. Make sure the device is dry before using it again. For safety reasons, the device is intended for indoor use only.

Customer Service

We are committed to your well-being by providing you with effective, efficient and affordable light therapy devices. If you have any problem with the device's light therapy device, or if you have any questions or concerns about the device, please do not hesitate to contact us and we will be more than happy to answer your questions.

Warranty

We guarantee that the device works and performs within the specifications for 3 years after the delivery date. The 3 year warranty covers all parts during the warranty period with certain exceptions. If necessary, the buyer is responsible for returning the device to us within a 3 year warranty period. The warranty does not apply to any device that has been abused, misused, modified, damaged or equipped with spare parts other than manufactured parts. We are not responsible for losses or inconveniences caused by defects in our product. After the warranty has ended, the buyer is obliged to pay for all parts and labor costs. If the unit is repaired or replaced, either within or outside the warranty period, we reserve the right to provide parts or replace in colors other than the original unit. To get warranty service, please email us.



 **Panacea**
light therapy

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