

viorelli

the science of light

Welcome to Viorelli, the home of the science of light. There are currently more than 6,000 medical studies and published research data on red light therapy, demonstrating its effectiveness in treating various conditions. Peer-reviewed clinical trials have scientifically proven it can be used as a powerful tool to address several health concerns, such as improving sleep, healing skin injuries, reducing fine lines, fighting depression and anxiety, assisting with neurological disease, increasing fat loss, accelerating post-exercise recovery, and enhancing strength and endurance.

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## NEW AGE DERMATOLOGY

Welcome to the world of red light therapy.

While natural sunlight has been known to have healing properties for centuries, scientific research and clinical studies have discovered how specific wavelengths of light can provide different benefits to the human body.

NASA was the first to discover the potential of red light technology when they developed it to help plants grow in space. This technology used low-level red light to stimulate plant growth and help them thrive in the unique environment of space where natural light is limited. Later, NASA scientists discovered that red light technology could also have beneficial effects on human health, including wound healing and tissue regeneration. This led to the development of red light therapy as a non-invasive medical treatment and its adoption in the skincare industry for its ability to improve skin health and appearance.

As light is a necessary component for maintaining good health, it is widely recognised that light therapy has a positive impact on the body's biological processes. Today, red light therapy is used in a variety of settings, from medical clinics to beauty salons, and is a safe and effective treatment option for a range of conditions. With our state-of-the-art red light therapy, you too can experience the amazing benefits of this technology from the comfort of your own home.

Viorelli is dedicated to harnessing the power of light therapy to improve the health and appearance of the skin. Through extensive research by our "Science of Light Product Development Team", we have laser focussed in on a "therapeutic window" consisting of specific wavelengths of both visible and invisible light. By tightly controlling power intensities, we have optimised the biological benefits of both visible and invisible light to maximise the therapeutic effects on the skin. Our commitment to using cutting-edge technology and advanced research allows us to offer state-of-the-art light therapy products that are both safe and effective.

Scan me to discover more about  
red light therapy in this video



## THE VIORELLI STORY

People have been using light as medicine for centuries. In years gone by, nurses would wheel bedridden hospitalised patients out into the sunlight to help them feel better. Also, think about the fact that plants need sunlight to grow, how solar panels turn the sun into energy that can power your home, and how the human body responds to UVB to generate vitamin D3. Today, however, it is estimated that the average adult spends more than 90% of their day indoors. But just as we are missing out on the power of UVB to create vitamin D3, we are also missing out on the health benefits of red light. Red light, both the waves you see and the near-infrared you don't see, do many things, including generating mitochondria, collagen and elastin within the skin and body.

Whilst most people are now aware that you need to take vitamin D supplements if you don't go outdoors enough, we at Viorelli want to make it public knowledge that you also need to get plenty of both the red part and the near-infrared part of the light spectrum too.

By sharing the science of light, we want to spread awareness of its healing powers. After all, our founder, Steve Bennett, even wrote about it in his health book *Primal Cure*, some six years ago.

At Viorelli, our red light therapy employs a range of wavelengths within the visible red and invisible near-infrared spectrum, enabling us to target specific skin concerns, aches and pains: all with precision.

Our red light therapy, also known as low-level laser therapy or photobio-modulation, is designed to stimulate the body's natural healing processes. This is achieved by delivering low-level red light that penetrates the skin and is absorbed by cells, triggering a variety of biochemical responses.

At Viorelli, we target three main areas:

SKIN HEALTH

HEALING INJURIES

WEIGHT LOSS

## SKIN HEALTH

Our range of light therapy devices can help with a variety of skin health issues. The most common skin complaints our customers try to address are:

- Acne
- Wrinkles and fine lines
- Rosacea
- Sun damage

All devices in the Viorelli skin health range use low-level red light. We also use blue, green, yellow, purple, cyan, and white light in some of our skin health devices.

When using red light therapy on the face, we generally recommend applying a skincare product beforehand. This can help to improve the absorption of light and enhance its effects. However, it's important to choose the right product and follow some guidelines:

- Choose a product that is free of chemicals, fragrances, and preservatives, as these can interfere with light absorption.
- Use a product that contains antioxidants or other skin-boosting ingredients.
- Apply the product in a thin, even layer, and allow it to fully absorb into the skin before using the red light therapy.

To begin, cleanse your face with a gentle cleanser and rinse thoroughly with lukewarm water. Allow the water to naturally air dry from your face, or pat it dry with a soft, absorbent towel. Avoid using a rough towel, which can cause enlarged pores, or rough or dry skin. Apply a serum where instructed.

## HEALING INJURIES

Several studies have shown that red light therapy can be an effective treatment option for a range of conditions that involve pain and inflammation, such as arthritis, tendonitis, and carpal tunnel syndrome. In some cases, red light therapy may be used in combination with other treatments, such as physical therapy or medication, to enhance its effectiveness. Overall, red light therapy is a safe and effective modality for improving recovery time and reducing pain and inflammation in injured tissues.

When red light is applied to the affected area, it penetrates the skin and stimulates the production of ATP, which is a molecule that provides energy to cells. This boost in cellular energy can help improve circulation, increase the production of collagen, and accelerate tissue repair.

Additionally, red light therapy has been shown to decrease inflammation by reducing the production of pro-inflammatory cytokines and increasing the activity of anti-inflammatory cytokines. This reduction in inflammation can help alleviate pain, swelling, and stiffness associated with injuries.



One of the main ways that red light therapy works to reduce pain and inflammation is by increasing blood flow to the affected area. This increased circulation helps to deliver more oxygen and nutrients to the injured tissues, promoting faster healing and reducing inflammation.

## WEIGHT LOSS

Red light therapy is often used as a complementary approach to weight loss. It works by stimulating the mitochondria in fat cells, which promotes the release of fatty acids into the bloodstream. These fatty acids are then used by the body as a source of energy, thereby promoting weight loss. Additionally, red light therapy is thought to increase metabolism by enhancing cellular energy production, which can further aid in weight loss.

In research, red light therapy has also been shown to reduce appetite and cravings by regulating the production of hormones involved in hunger, such as leptin and ghrelin. While red light therapy is not a substitute for a healthy diet and exercise, it may be a useful adjunctive therapy for weight loss efforts.



## Product Index

We have outlined the usage and benefits of each Viorelli product within this brochure.

Our wonderful product development team has created each device with the idea of simplicity at its heart: high performance products that can be used by everyone.

We want our devices to be easy to use, and so are the instructions.

### SKIN HEALTH

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### HEALING INJURIES & WEIGHT LOSS

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# VL500 Face Therapy

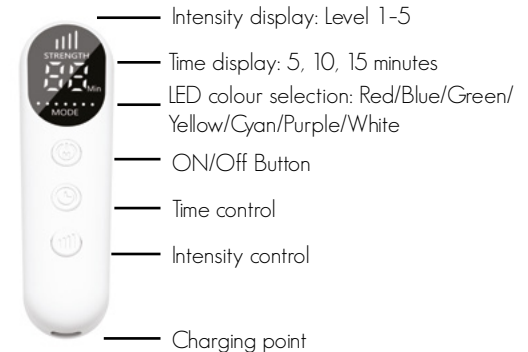
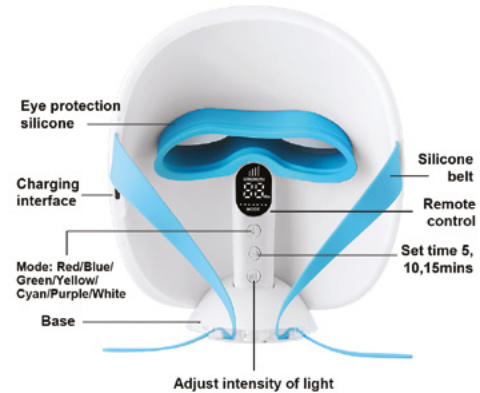


## How to use

Before using the mask, apply serum to the face. Adjust the size of the LED mask to a comfortable position, and place it on the face. Hold down the power button to start skincare. The LED colour options are red/blue/green/yellow/purple/white. Press the button to change the colour. When the mask has started, you can also use the remote control to amend the following: light intensity, treatment time and LED colour. Choose the appropriate LED light colour to start your treatment (see pages 18-19 for the benefits of each colour).

- 1) Please read these instructions carefully and familiarise yourself with the correct usage.
- 2) Do not use for purposes other than the designated use.
- 3) Do not apply strong force to the framework.
- 4) Keep mask away from moisture and water.
- 5) Do not use if you have a face wound or dermatitis: please follow the instructions after consultation with a specialist.
- 6) If any abnormal symptoms such as itching or redness appear during use, stop using the product immediately, seek medical advice and follow the instructions after consulting a specialist.
- 7) Do not wash the device with water.
- 8) Do not clean the body with chemicals or general detergents.
- 9) Do not look directly into the LED emitting light.
- 10) Do not use near heat appliances. (The product may become deformed or discoloured.)
- 11) If the device will not be used for an extended period of time, charge the battery, then remove the battery and store in a safe place.

## Mask Overview



# LED Colours & Uses



**RED LIGHT**  
—•• (630nm)  
Helps skin appear tighter



**BLUE LIGHT**  
—•• (470nm)  
For acne-prone skin








**GREEN LIGHT**  
—•• (520nm)  
For targeting fine lines




**YELLOW LIGHT**  
—•• (590nm)  
Improves overall appearance of skin health










**TRANSPARENT BLUE LIGHT**  
—•• (510nm)  
Gradually enhances cell energy




**PURPLE LIGHT**  
—•• (mix)  
For skin scarred from acne







**DARK PURPLE LIGHT**  
—•• (600nm)  
Improves overall appearance of skin health and helps skin feel softer



Product name	Face Therapy
Model	VL500
Charging Voltage	5V1A
Rated Working Rate	1W
Battery	3.7V/800mAh
Charging Time	2 hours

Scan me to discover more about this product



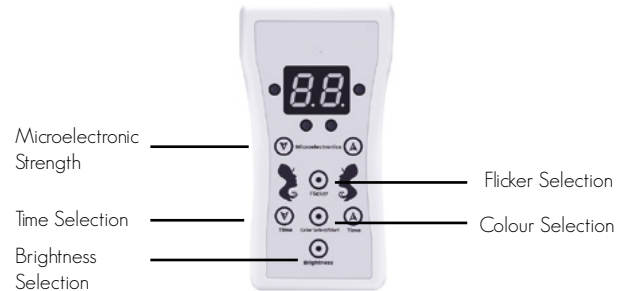
# VL70 Face and Neck



When the skin absorbs the light, it converts into intracellular energy, which strengthens small blood vessels and triggers photochemical reactions. This process increases the activity of catalase and superoxide dismutase enzymes in cells, boosting ATP decomposition and promoting the synthesis of new cells. Research indicates it also stimulates the secretion of basic fibroblast growth factor and epidermal growth factor, rearranges collagen fibres, and eliminates melanin formation. These effects are thought to accelerate cell growth, increase skin elasticity, repair ageing skin, fade spots, and promote tight, clear skin.

## How to Use

1. Begin by cleaning your face gently and letting it dry naturally or using a soft towel.
2. Connect the power supply line of the mask device to the power control box.
3. Turn on the power supply and select the desired colour, time, brightness and micro-electric strength using the control buttons on the remote.
4. Place the mask over your face and adjust the tightness with the magic band. Avoid staring at the light source for a long time.
5. For even better results, use a disposable mask or skincare products before applying the mask. Leave the Viorelli mask on for 15-30 minutes before removing. Cleanse your face as instructed on page 9.



## LED Colour Options & Uses

- Red light: Wavelength of 630nm, thought to improve cell activity, speed up metabolism, promote collagen formation, brighten skin, decrease the appearance wrinkles, increase skin elasticity, help repair damaged skin, and help shrink pores.
  - Blue light: Wavelength of 470nm, believed to inhibit inflammation, encourage a bactericidal anti-inflammatory effect, help improve the appearance acne, and reduce the appearance of scars and pigment.
- While the use of both red and blue light therapies have thousands of research papers detailing their benefits, recent science has started to uncover potential benefits of other wavelengths.*
- Green light: Wavelength of 520nm, believed to reduce skin oil secretion, balance water and oil, relieve mental stress, dredge lymph glands, and reduce swelling.
  - Yellow light: Wavelength of 590nm, believed to improve oxygen exchange to cells, supplement energy to skin cells, promote lymphatic drainage, and improve rough skin, wrinkles and skin redness.
  - Purple light: (Combination of red and blue light frequency), believed to have a good effect on the treatment of acne and acne scars.



# VS100 Facial Light



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about this product



## How to Use

1. Connect the adapter and switch device on.
2. Select LED colour (R, G, B) and choose intensity level between 0-10
  - you can use each colour singularly, or a combination (see opposite)
3. Set up treatment according to time adjustment button
  - 5-60 minutes
4. Press the start button to begin treatment.
7. Device automatically stops once treatment time is complete.

Note: if two colours are selected, the device will emit them simultaneously, however if three colours are selected, the device will flow through colours sequentially.

## LED Colour Options & Uses

- Red light: Wavelength of 630nm, thought to improve cell activity, speed up metabolism, promote collagen formation, brighten skin, decrease the appearance wrinkles, increase skin elasticity, help repair damaged skin, and help shrink pores.
- Blue light: Wavelength of 470nm, believed to inhibit inflammation, encourage a bactericidal anti-inflammatory effect, help improve the appearance acne, and reduce the appearance of scars and pigment.
- Green light: Wavelength of 520nm, believed to reduce skin oil secretion, balance water and oil, relieve mental stress, dredge lymph glands, and reduce swelling.

## Colour Combinations

Red and blue light: Believed to promote the growth of skin cells, accelerate the exfoliation of ageing cuticles, remove dull skin.

Red and green light: Research shows this combination can improve the exchange of cell oxygen to replenish energy, aid decomposition of pigment, promote lymphatic detoxification, and improve skin roughness, wrinkles, and redness.

Blue and green light: Thought to enhance the energy of new cells, have positive effect on metabolism, balance secretion, calm skin and control oil.

Red, blue, and green light: This colour combination is considered to improve oxygen exchange, replenish energy to skin, promote lymphatic detoxification, and improve the appearance of skin roughness, wrinkles, and redness.

# VL925 Face and Neck Wrap

The Silicone LED Mask can increase cell activity and promote cell metabolism, resulting in the secretion of a large amount of collagen and fibrous tissue by the skin to replenish itself. It accelerates blood flow, increases skin elasticity, and improves skin discoloration and dullness, thereby achieving skin brightening, rejuvenation, anti-wrinkle, and spot-repairing effects. The mask is divided into two parts: one for the face and the other for the neck. Both parts use seven different LED light sources - red, blue, green, yellow, violet, blue, and laser light - each with different effects to address various skin problems. One mask to serve multiple functions.

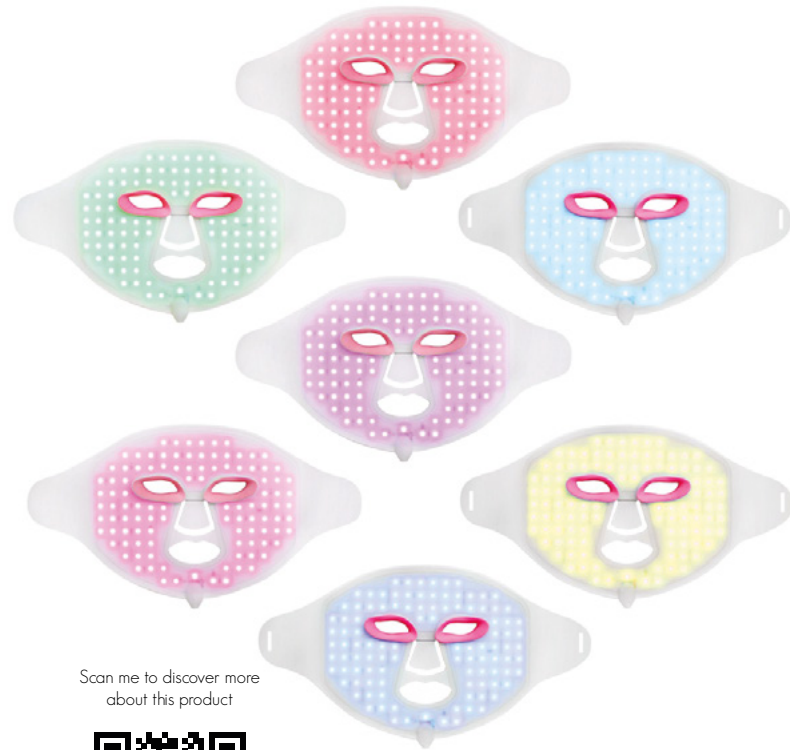
## How to Use

1. Clean the skin and dry the face with a soft towel.
2. Connect the USB cable with the controller.
3. Turn on the power button.
4. Press 'colour' button, choose the mode, then press the time button to adjust time as you want (15-30 min is recommended).
5. Short press the power button to adjust the strength of the light.
6. We recommend you use the mask while lying on a bed or sofa to relax the whole body.
7. You can achieve better results if used in conjunction with a facial mask or serum.
8. After use, take off the silicone skin rejuvenation mask and clean it with a dry cloth.

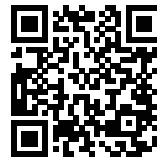


## LED Colour Options & Uses

- Red light: Wavelength of 630nm, thought to improve cell activity, speed up metabolism, promote collagen formation, brighten skin, decrease the appearance wrinkles, increase skin elasticity, help repair damaged skin, and help shrink pores.
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- Green light: Wavelength of 520nm, believed to reduce skin oil secretion, balance water and oil, relieve mental stress, dredge lymph glands, and reduce swelling.
- Yellow light: Wavelength of 590nm, believed to improve oxygen exchange to cells, supplement energy to skin cells, promote lymphatic drainage, and improve rough skin, wrinkles and skin redness.
- Purple light: (Combination of red and blue light frequency), believed to have a good effect on the treatment of acne and acne scars.
- Cyan light: Believed to enhance cell energy.
- White light: Research shows this wavelength penetrates deep into the skin, accelerates the metabolism of active tissue, breaks down blemishes, and improves the appearance of fine lines and loose skin.



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## VRF65 Handheld

Triple Treatment Device

LED

Light Therapy

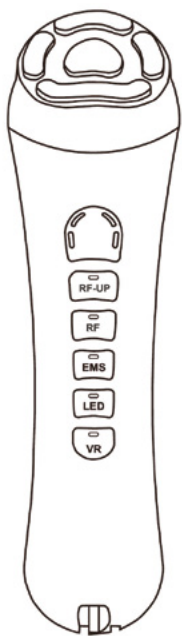
EMS

Electrical Muscle  
Stimulation

RF

Radiofrequency





This device combines the power of LED light therapy with RF (radiofrequency) and EMS (electrical muscle stimulation) therapy for a full service treatment, tackling a range of skin concerns.

The three different therapy options (RF, EMS, or Combined) can all be used singularly or alongside LED and/or vibration mode to add extra elements to treatment.

Select your treatment options based on what your skin needs (suggested usage on page 35).

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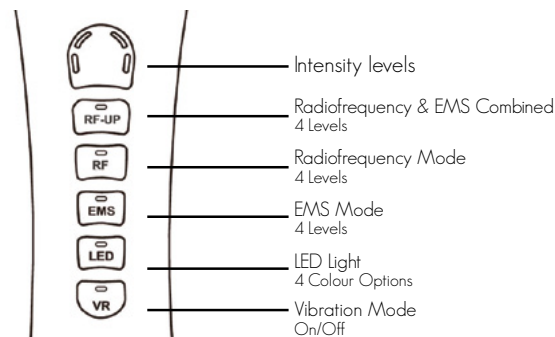
Great for:

- Stimulating collagen production
- Tightening the skin
- Treating acne
- Reducing inflammation
- Improving overall skin health

## LED Colour Options & Uses

- Red light: Wavelength of 630nm, thought to improve cell activity, speed up metabolism, promote collagen formation, brighten skin, decrease the appearance wrinkles, increase skin elasticity, help repair damaged skin, and help shrink pores.
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- Green light: Wavelength of 520nm, believed to reduce skin oil secretion, balance water and oil, relieve mental stress, dredge lymph glands, and reduce swelling.
- ● Combination Mode: Suitable for people with a variety of skin concerns. Long-term use can improve skin health with cumulative results. This mode will sequence through the 3 colours.

## Mode Selection



## How to Use

First apply a serum or moisturising lotion to the skin to allow the device to glide over the skin during use.

Select your treatment options (explained opposite) then follow movement directions, as below.



Swipe on the skin in the direction of the arrows above, moving around 2cm per second, avoiding the eyes and the thyroid area in centre of the neck. Make sure the head of the device is fully touching the skin at all times.

## Suggested Usage

Select from three different therapy options (RF, EMS or Combined). These can all be used singularly or alongside LED and/or vibration mode, to add extra elements to treatment. Use for up to 30 minutes, 2-3 times a week.

Button	Mode	Features	Function	Levels
RF - UP	Combined Electro Muscle Stimulation & Radiofrequency	Thought to allow skincare to penetrate into the stratum corneum more easily, hydrating the skin.	1M Frequency RF	4 levels
RF	Radiofrequency	Micro-electricity is thought to stimulate muscles, soothe facial microcirculation, and increase skin elasticity.	Massage microelectronics	4 levels
EMS	Electro Muscle Stimulation (EMS)	EMS can stimulate the muscles, tighten the skin, and increase elasticity. Can also be used on the neck.	EMS	4 levels
LED	LED Light Therapy	Use LED light to help skin appear rejuvenated.	Red, blue, green and combination light	One
VR	Vibration	Improves overall appearance of skin.	Intermittant vibration	One

# VN200 Knee



Sports Injury



Rheumatism



Arthritis



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## How to Use

1. Connect the remote control cable to the DC power port on the red therapy knee wrap.
2. Connect the power adapter to the female DC input at the end of the remote control cable.
3. Plug the power adapter into a power socket.
4. Press the "On/Pulse/Off" button to turn on the knee wrap. Press a second time to turn on the pulse function.
5. Press "Mode Button" to toggle through the three modes:
  - Red mode (660nm)
  - Infrared mode (850nm)
  - Red + Infrared mode (660+850nm).
6. Press "time button" to set the time duration from 5-30 minutes, in 5-minute increments. The default time is 5 minutes.

## Benefits

- Ideal for improving circulation
- Safe for all skin types
- Can relieve stiffness and spasms
- May improve tissue hydration and oxygen
- Suitable for sports injuries, arthritis, sciatica, neuropathy, sprains, carpal tunnel syndrome

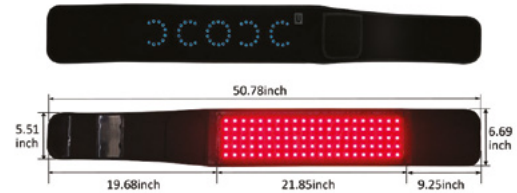
# VN350 Body Sculpt



## Benefits

- Weight loss
- Reduce joint pain
- Treat inflammation

Scan me to discover more about this product



## How to Use

- Place the light therapy belt in position around the waist before switching on the device.
- Use the controller to select your timing, brightness, and mode settings.
- Turn off the device before removing it from waist after use.
- Do not use for more than 30 minutes, and wait at least 2 hours between sessions.
- Use belt daily for optimal results.
- Whilst it is primarily designed for use on the waist, it may also be used on the upper or lower back, shoulders, arms, legs hips or feet. **Do not use around head or neck.**



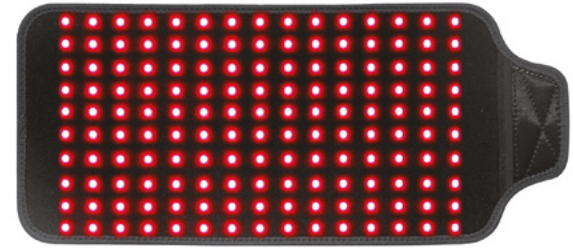
## VN720 Arm

For pain relief, red light therapy can help reduce inflammation and promote healing in the affected area. This can be especially beneficial for chronic pain conditions such as arthritis, fibromyalgia, and back pain. Additionally, red light therapy has been shown to improve circulation, which can help deliver nutrients and oxygen to the affected area.

In terms of weight loss, red light therapy can help boost metabolism and increase the body's ability to burn fat. It can also help reduce the appearance of cellulite by promoting collagen production and improving skin elasticity.



Perfect for: Pain Relief & Weight Loss



Scan me to discover more about this product



## How to Use

- Place the light therapy wrap in position around the desired area before switching on the device.
- Use the controller to select your timing, brightness, and mode settings.
- Turn off the device before removing it from area after use.
- Do not use for more than 30 minutes, and wait at least 2 hours between sessions.
- Use wrap daily for optimal results.
- Whilst it is primarily designed for use on the arm, it may also be used on the upper or lower back, shoulders, legs hips or feet, see left. **Do not use around head or neck.**

## LED Light Therapy Precautions

Please keep the following precautions in mind when using LED light therapy.

Consult with a healthcare provider before using LED light therapy, especially if you have a medical condition or are taking medication.

Avoid using LED light therapy if you are pregnant, as its effects on foetal development are unknown.

Protect your eyes from exposure to LED light, as it can be harmful to your vision.

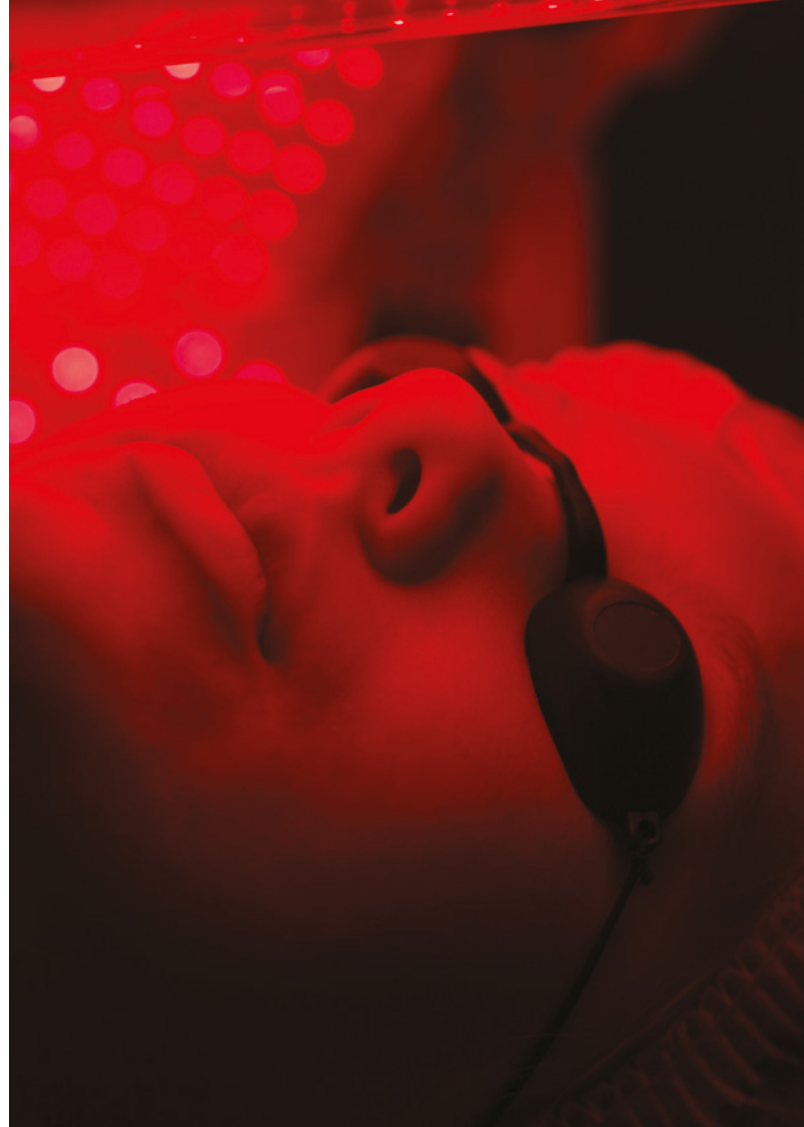
Do not use LED light therapy if you have an active rash, wound or infection in the treatment area.

Be aware of the risks of overheating and burns from using LED light therapy for an extended period of time or at a high intensity.

Avoid using LED light therapy in conjunction with photosensitising agents, such as certain medications or topical products, as this can increase the risk of adverse effects.

Do not use LED light therapy on areas with tattoos or dark pigmentation, as this may cause uneven results or damage to the skin.

If you experience any unusual or adverse effects from LED light therapy, discontinue use and consult with a healthcare professional.





Over the years, there has been a significant amount of research conducted on the potential medical benefits of red light therapy. The first experiments were conducted in space. Since then, hundreds of clinical and thousands of laboratory studies have been carried out to investigate the effects of red light therapy on various health conditions. This research has shown promising results, with many studies suggesting that red light therapy may be beneficial for a range of conditions: from skin conditions to muscle recovery, getting a better night's sleep, and even brain disorders.

On the page opposite, find ten of the most cited research papers on red light therapy.

1. Hamblin, M. R. (2017) 'Shining light on the head: Photobiomodulation for brain disorders', *BBA Clinical*, 6, 113-124.
2. Avci, P., Gupta, A., Sadasivam, M., Vecchio, D., Pam, Z., Pam, N., & Hamblin, M. R. (2013) 'Low-level laser (light) therapy (LLLT) in skin: Stimulating, healing, restoring', *Seminars in Cutaneous Medicine and Surgery*, 32(1), 41-52.
3. de Sousa, A. P., Paraguassú, G. M., Silveira, N. T. B., dos Santos, J. N., de Jesus Guirro, R. R., & Caires Dos Santos, L. (2016) 'Red and infrared low-level laser therapy prior to injury with or without administration after injury modulate oxidative stress during the muscle repair process', *Lasers in Medical Science*, 31(7), 1417-1424.
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5. Bjordal, J. M., Couppé, C., Chow, R. T., Tunér, J., Ljunggren, E. A. (2008) 'A systematic review of low-level laser therapy with location-specific doses for pain from chronic joint disorders', *The Australian Journal of Physiotherapy*, 54(2), 85-91.
6. Ferraresi, C., Hamblin, M. R., & Parizotto, N. A. (2012) 'Low-level laser (light) therapy (LLLT) on muscle tissue: Performance, fatigue and repair benefited by the power of light', *Photonics & Lasers in Medicine*, 1(4), 267-286.
7. Huang, Y. Y., Chen, A. C. H., Carroll, J. D., & Hamblin, M. R. (2009) 'Biphasic dose response in low level light therapy - an update', *Dose-Response*, 7(4), 358-383.
8. Chung, H., Dai, T., Sharma, S. K., Huang, Y. Y., Carroll, J. D., & Hamblin, M. R. (2012) 'The nuts and bolts of low-level laser (light) therapy', *Annals of Biomedical Engineering*, 40(2), 516-533.
9. Chow, R. T., Johnson, M. I., Lopes-Martins, R. A. B., & Bjordal, J. M. (2009) 'Efficacy of low-level laser therapy in the management of neck pain: a systematic review and meta-analysis of randomized placebo or active-treatment controlled trials' *The Lancet*, 374(9705), 1897-1908.
10. Tiphlova, O., Karu, T., & Esenaliev, R. (1996) 'Effects of low-intensity (3.75-25 J/cm<sup>2</sup>) near-infrared (810 nm) laser radiation on red blood cell ATPase activities and membrane structure', *Journal of Clinical Laser Medicine & Surgery*, 14(2), 69-74.

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