

## BIOPTRON MEDICAL DEVICES - TECHNICAL DATA & SPECIFICATIONS

SPECIFICATIONS	Compact III	BIOPTRON Pro	BIOPTRON 2
Wavelength	480 - 3400 nm	480 - 3400 nm	480 - 3400 nm
Degree of Polarisation	> 95% (590-1550 nm)	> 95% (590-1550 nm)	> 95% (590-1550 nm)
Specific Power Density	av. 40 m/W / sq cm	av. 40 m/W / sq cm	av. 40 m/W / sq cm
Light Energy Per Minute	av. 2.4 Joule / sq cm	av. 2.4 Joule / sq cm	av. 2.4 Joule / sq cm
Lens Diameter	4 cm	11 cm	15 cm
Spot Size (at 10 cm)	19 sq cm	154 sq cm	254 sq cm
Rated Power of Halogen	20 W	50 W	90 W
Light Intensity (Light Units)	10 000 - 22 000 lux	10 000 - 20 000 lux	13 000 - 14 000 lux

### BIOPTRON Compact III

is the smallest light therapy device in the BIOPTRON range and is designed for use at home, in hospitals and in therapeutic & beauty centres. The device is easy to handle for anybody, and is equipped with an integrated timer that emits a tone every two minutes. The device is packed in an elegant plastic case for smart storage at home or for travelling. A high quality tripod stand is also available as an optional accessory.

### BIOPTRON Pro 1

is the medium-sized light therapy device in the BIOPTRON range and is designed for use at home, in hospitals and in therapeutic & beauty centres. The benefits are characterised by its large spot size, integrated digital timer and easy handling for everyone. Its angled shape together with the user-friendly stands enables flexible positioning options. The larger spot size enables an area the size of the entire face to be covered in one individual treatment within 4 - 10 minutes.

### BIOPTRON 2

is designed for high-volume use by health and beauty professionals. BIOPTRON'S largest device, it is easily manageable and has an electronic digital timer that can be easily preset up to 95 minutes, divisible into one-minute increments. Its angled shape together with the robust stand enables almost limitless positioning options.

### BIOPTRON Colour Therapy Systems

BIOPTRON Colour Therapy is a holistic addition to the BIOPTRON Compact III medical light therapy system. Different sized lenses are designed to fit either the BIOPTRON Compact III or Biopton Pro 1 lamps. Twelve simple-to-follow treatment schedules offer alternative / holistic methods of treatment in the area of well-being and beauty.



**BIOPTRON Compact III**  
with Tripod Stand



**BIOPTRON Pro 1**  
with Table Stand



**BIOPTRON 2**  
with Y Stand

**Authorised UK Distributors & Service Agents**  
D & R MARKETING LTD, Concorde Business Centre, Teesside  
TS18 3RB Tel: 01642 612512 [therapy@drmarketingltd.co.uk](mailto:therapy@drmarketingltd.co.uk)  
Website Address: [advancedlighttherapyuk.com](http://advancedlighttherapyuk.com)

**Consultant:**



## ADVANCED MEDICAL LIGHT THERAPY for the HOME USER

REVOLUTIONARY MEDICAL LIGHT THERAPY SYSTEMS.  
The Medical innovation with **NATURAL** healing power.  
Made in Switzerland

**MEDICAL TREATMENTS**  
**PHYSICAL THERAPY**  
**COSMETIC TREATMENTS**  
For Adults, Children, Newborn Babies



Visible Incoherent Polarised (VIP) Low Energy Light Therapy.  
Non-invasive, with no UV light, designed for clinical and home use.

- Medically Approved - E.U. Directive 93/42/EEC
  - F.D.A. (USA) Registered (3003775404)
- Used by more than 5 000 Doctors & 1 000 Clinics
  - Several Million Home-Users worldwide
  - Swiss-made quality - ISO 9001, ISO 13485

## WHAT IS BIOPTRON LIGHT THERAPY ?

BIOPTRON VIP Light Therapy is a technologically advanced medical light therapy system that has been developed through many years of research at leading medical, scientific, and academic institutions in Europe and throughout the World. A **NOBEL PRIZE IN MEDICINE** was awarded to the Danish Doctor, Dr Niels R. Finsen for his achievements and research into the beneficial medical effects of light therapy. BIOPTRON emits **VISIBLE INCOHERENT POLARISED** electromagnetic light energy in the spectrum 480-3400 nanometres. It does not contain any ultraviolet radiation and the temperature of the emitted beam at a treatment distance of 10cm is only 37°c. (normal body temperature). Completely safe and simple to use, it is designed for **professional clinical use AND for home use**. BIOPTRON is used in over 40 countries by thousands of medical doctors, medical specialists, clinics/hospitals, natural/holistic therapists, and beauty professionals as a mono-therapy or as an adjunct to normal treatment protocols. There are no known harmful side effects and no absolute contra-indications. BIOPTRON is safe to use on the eyes provided the eyes remain closed during treatments. The BIOPTRON lamp does not tan or burn the skin and may be used on all skin types without harm.

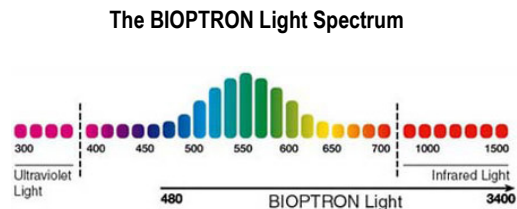
## CAN BIOPTRON SAFELY BE USED FOR HOME TREATMENTS ?

The non-invasive nature of BIOPTRON VIP therapy and its simple application makes it ideal for **HOME USE**, particularly for self-treatment of various chronic conditions. Several **MILLION** home users worldwide are currently experiencing the benefits of BIOPTRON Light Therapy. Treatment periods are short :- 4 to 10 minutes per session, depending on the indication. For **ACUTE** cases BIOPTRON may be used twice a day. For **CHRONIC** cases, treatments may be administered daily or 3-4 times per week. The BIOPTRON may be used every 6-8 hours for **SEVERE** cases. Using the BIOPTRON for longer than the suggested treatment time is not harmful. BIOPTRON is safe to use even on small babies.

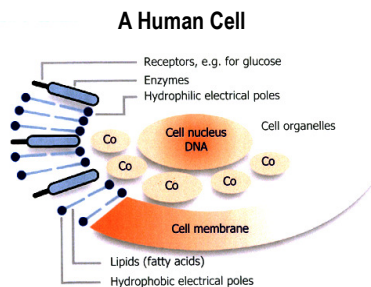
## HOW DOES BIOPTRON WORK ?

Health disorders and illnesses are usually reflected on a **CELLULAR** level. The average adult human has approximately 70 trillion cells. Our overall health is dependent on the efficient and optimum functioning of our cells. Various environmental, pathogenic and lifestyle factors may negatively impact on the efficient performance of our cells. This frequently leads to health disorders within the body. BIOPTRON VIP light works on a **CELLULAR** level. Polarised light from the BIOPTRON is focused onto the skin area at a distance of 5-10cm for a period of 4-10 minutes. The human organism transforms this light into electrochemical energy, which activates a chain of biochemical reactions within the cells. Cellular biological processes are modulated, metabolism is stimulated, and the immune response of the entire human body is reinforced. The therapeutic effects of BIOPTRON VIP light are **systemic**, and are felt throughout the body due to the **PHOTOMODULATION** of the **BLOOD** that passes through the treatment area in the skin and underlying tissues. Some important benefits of VIP light therapy are :

Relief of pain or a decrease in its intensity  
Improved circulation & micro-circulation  
Increased oxygen saturation in haemoglobin  
Improved cell metabolism - harmonizes metabolic processes  
Reinforces the human defence (immune) system  
Stimulates regenerative and healing processes of the entire organism  
Promotes wound healing and tissue repair



BIOPTRON Light is completely safe to use. The wavelength of the emitted light is from 480 - 3400 nm at a temperature of only 37° c. All harmful light rays (including UV) are excluded.



BIOPTRON works on a **CELLULAR** level to enhance and modulate many important biological cell processes.

## WHAT CAN BIOPTRON VIP LIGHT THERAPY BE USED FOR ?

Years of experience and research has established beyond doubt the positive clinical effects of BIOPTRON VIP Light Therapy and has led to a wide range of applications in numerous fields of medicine. The therapy has become accepted worldwide as a new form of treatment in prevention, therapy and rehabilitation. BIOPTRON Light Therapy can be used both as a complementary treatment to support conventional medical methods and as a monotherapy for certain indications. **BIOPTRON is certified and approved by the European Union for the following medical indications, and is a standard treatment in many health-care institutions worldwide today for :**

- **Pain Relief in Rheumatology**  
Osteoarthritis, Rheumatoid Arthritis, Arthroses
- **Pain Relief in Sports Injuries, Physiotherapy**  
Tendinitis, Tennis Elbow, Ligament tears, Muscle tears & Strains, Contusions, Strains and Sprains, Abrasions, Inflammations, Lower back pain, Shoulder and Neck pain, Scar tissue.
- **Pain Relief - General Pain Relief**  
Lower back pain & stiffness, Carpal Tunnel Syndrome, Tennis Elbow, Bursitis, Repetitive Strain Injury, Pain at any part of the body in general.
- **Skin Ulcers**  
Venous Leg Ulcers, Diabetic Foot Ulcers, Bed Sores (Pressure Sores).
- **Skin Disorders**  
Acne, Eczema, Psoriasis, Atopic Dermatitis, Cold Sores, Shingles, Mouth Ulcers, Gum Disorders.
- **Burns**  
Superficial Burns and partial thickness second-degree burns, Sunburn.
- **Wound Healing in General**  
Traumatic Wounds & Injuries, Surgical incisions, Cuts, Bruises & Contusions.
- **Simulation of the Immune System**  
Activation of cells that target Bacteria, Microbes, Viruses & Tumours
- **General Well-Being & Stress Relief**
- **Improved Circulation in small Blood Vessels**  
Improved microcirculation
- **S.A.D.**  
Seasonal Affective Disorder, Winter Depression
- **Illnesses in Children**  
Allergic Eczema, Allergic Asthma, Allergic Asthma, Juvenile Arthritis, Skin Infections, Sinus Infections, Tonsillitis, Common Cold, Traumatic Injuries (Bone fractures, soft tissue injury, wounds, etc), Diseases of the Nervous System (Polio, nerve damage, etc).
- **Illnesses in Newborn Babies**  
Bed Sores (Pressure Sores), Nappy Rash, Skin Infections, Inflammation of the Veins, Traumatic Injuries such as cuts, abrasions, etc.

*BIOPTRON Therapy has no harmful side effects, but for serious medical conditions it is always advisable to consult your physician first to establish whether other medical or surgical interventions are also required.*



BIOPTRON is Approved as a Medical Device according to the E.U. Directive 93/42/EEC

