

Medilux Healthcare Ltd.

Healthcare for the Internet Age

www.mediluxprofessional.net

Safe - Natural - Drug-free - Non-invasive

Phototherapy Systems for Medical Professionals

from Q.Products AG (Biotechnology & Photomedicine), Switzerland

Clinical recognition of phototherapy



Clinical recognition of the benefits of phototherapy is now widespread. **Biostimulation** by light energises cells directly, enabling them to function and reproduce more efficiently. **Photomodulation** of the blood spreads the benefits more widely. **Natural healing** is

accelerated, the immune system is boosted and pain and inflammation are alleviated.

Just 3-4 minutes daily treatment at change of wound dressings can improve healing times remarkably.

- ❖ Large treatment diameters for short treatment times and even coverage
- ❖ Choice of six medical filter modules for a range of proven, patient-friendly therapies
- ❖ Specialised models also available, easy to use and suitable for rental to patients – please enquire.

Modular systems give great flexibility



Q.Light® PRO and Q.Light® Skin Care are modular systems, with a choice of medical, cosmetic and colour filter modules. These provide for a wide range of professional treatments and the filter modules are clearly labelled to guide the therapist.

Q.Light® is used wherever where low power laser is employed but the lower light intensity means that there is no danger of over-dosing.

Total therapy times are shorter for most applications however, since treatment areas are very much greater.

- ❖ Non-laser light source requires no special training or safety precautions
- ❖ CE marked medical products, for stand-alone therapy or to supplement most existing treatment regimes
- ❖ Save on statutory licence fee payable by laser therapists.



Medical Professional filter modules

Pain Care

Warm red light 580-1,700nm reduces pain and inflammation e.g. strains and injuries, post-operative pain, back pain, painful cosmetic procedures, rheumatism and arthritis.

Wound Care without infra red

Cool white light 385-785nm stimulates healing of injuries, burns and surgical wounds, also stasis ulcers/leg ulcers, decubitus/pressure sores and diabetic gangrene.

Wound Care with infra-red

Warm white light 385-1700nm for added stimulation of blood circulation and enhanced healing, for muscle strains and uninfected injury wounds.

Acne Care

Cool blue light 385-500nm treats common acne, acne vulgaris, acne comedonica, acne papulopustulosa and acne conglobata.

Psoriasis Care

Cool white light 385-780nm eases psoriasis, neurodermatitis and atopic dermatitis, relieving itching and improving skin tone.

S.A.D. Care

Cool white light 420-780nm treats Seasonal Affective Disorder and depressions.

Photodynamic Therapy (PDT) - for skin cancer specialists only. See separate information sheet



Q.Light® PRO for hospitals and clinics



- 10-40cm light diameter
- Variable aperture
- Timer control
- Electronic display panel
- Takes PRO-Plus or Regular stand

Q.Light® Skin Care for portability



- 25cm light diameter
- Fixed aperture
- On/off control
- Takes PRO-Plus, Regular or folding 'Home' stand

Stands and further information



The 'Regular' stand (left) is for confined spaces and the 'PRO-Plus' stand (right) with extended reach is for clinics and hospitals. 'PRO-Plus' now includes an additional lower shelf and wire storage basket (not shown). Please ask for details on the 'Home' stand.

For details visit: www.mediluxprofessional.net

Enquiries: office@mediluxprofessional.net

NOTE: Medilux Healthcare Ltd. offers products on the basis of the Manufacturers' representations as to quality and efficacy. Any further guidance as to conditions which may benefit from their use is based purely on our own opinions and beliefs regarding general application. We do not guarantee that goods will be suitable or effective for all purchasers and we do not advise on individual cases.



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Q.Light® Phototherapy for Medical Professionals

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Q.Light® therapy is not 'alternative' medicine

Phototherapy by visible light frequencies is just a small but important part of the range of diagnostic and therapeutic treatments derived from the electro-magnetic spectrum, ranging from radio and infra-red lasers at one end to X-rays and radiology at the other. It has been practised for centuries and as long ago as 1903 the Nobel Prize for medicine was awarded for the investigation and clinical application of light therapy.

With the exception of Photodynamic Therapy for skin cancer, Q.Lights® work simply by stimulating the body's own repair and regenerative mechanisms, so they can be used alone or in conjunction with other therapies. Q.Lights® do not emit ultra-violet light.

Advantages of Q.Light® over low-power laser

Q.Lights® are non-laser devices, so there is a saving on statutory annual licence fees.

Large treatment areas, up to 40cm diameter

No protective goggles required. Therapy may be conducted in rooms open to free movement of staff or visitors.

Pain-free, patient friendly treatments, which can be backed up safely between consultations by a range of specialised home therapy devices. These are easily portable, simple to use and suited to home sales or rentals.

Q.Light® therapy for BURNS SPECIALISTS

In many cases Q.Light® wound care therapy reduces the need for surgery in treatment of deep dermal burns, if applied immediately after submission. Within this group of patients, the use of polarised light accelerates wound healing and allows very early pressure therapy, thus reducing hypertrophic scarring and contractures.

By stimulating natural healing and immune response, a patient's stay in hospital can be minimised and better aesthetic and functional results can be achieved, especially for burns of the hands. Polarised light therapy has become the first choice for deep dermal burns in many hospitals and burn centres.

Q.Light® PRO in conjunction with the **filter module 'Wound Care excluding infra-red'** delivers visible light only in the 385-785nm range.

Q.Light® therapy for WOUND CARE

In acute wounds Q.Light® Therapy has a systemic effect, promoting wound healing by arresting inflammations, alleviating pain, activating the immune response, improving perfusion and revascularisation, increasing lymphatic drainage and generally improving the metabolism.

Chronic wounds such as stasis ulcers/leg ulcers, and decubitus/pressure sores also respond well and Q.Light® is effective in treating diabetic gangrene.

Q.Light® PRO in conjunction with the **filter module 'Wound Care including infra-red'** delivers visible and near infra-red light in the 385-1,700nm range. Alternatively where the heating effect of infra-red is not desired, such as in burns or infected wounds, the **filter module 'Wound Care excluding infra-red'** delivers visible light only in the 385-785nm range. **Q.Light® Wound Care** for home use includes both these filter modules.

Q.Light® therapy for COSMETIC SURGEONS

Q.Light® Therapy can promote healing and help to avoid infection or post-procedural complications following surgery, face peels and laser treatments such as tattoo removal. General benefits as for WOUND CARE above.

Q.Light® therapy for DERMATOLOGISTS

Q.Light® Therapy treats psoriasis, neurodermatitis, atopic dermatitis and dry skin conditions. It does not claim to offer a total cure but can be used alone or to support various forms of skin treatments. Special dermatological creams can be applied before or after the light treatment. Take-up of moisturisers by the skin is increased following Q.Light® Therapy and there have been no reported side effects or contra-indications.

Unlike many phototherapy treatments for dermatitis, **Q.Light® PRO** does not emit ultra-violet light.

In conjunction with the **filter module 'Psoriasis Care'** it delivers visible light only in the 385-780nm range. In conjunction with the **filter module 'Acne Care'** it delivers visible blue light only in the 385-500nm range and treats up to 35cm diameter.

Since these are long term conditions, liable to sudden and unpredictable outbreaks, patients may also wish to purchase a **Q.Light® Psoriasis Care**, **Q.Light® Acne Care** or **Q.Light® Home Care** unit to use at home.

Q.Light® therapy for PAIN

Pain is a highly subjective experience. It can stem from many complex and interlinked causes, both physical and psychological and different patients will respond in different ways. It is important to stress that Q.Light® therapy cannot offer an all-purpose remedy, but it can assist in muscular strains such as sports injuries and rheumatic and arthritic conditions, reducing inflammation and associated pain. Some people also find it helpful in reducing pain from cosmetic and related procedures such as epilation.

Q.Light® PRO in conjunction with the **filter module 'Pain Care'** delivers visible red and near infra-red light in the 580-1,700nm range. **Q.Light® Pain Care** is also available for home use.

Q.Light® therapy for SKIN CANCER SPECIALISTS

Q.Light® PRO with the **PDT Therapy filter module** inserted delivers red incoherent light in the range 620-780nm. With an intensity of 70mW/cm² (4.2J/cm²) at max treatment distance 15cm, this is similar in nature and intensity to the light delivered by specialised PDT light sources. The **PDT Diagnosis filter module** delivers blue light in the range 385-480nm and is used in conjunction with special creams for disclosing skin cancers.

Photodynamic Therapy (PDT) requires the use of special photosensitising creams, such as Metvix®, and neither Q.Products AG, Switzerland, the manufacturers of Q.Light®, nor The Timelines Group supply these creams, nor do we not train or advise in their use. Q.Light® PDT filter modules are therefore only suitable for specialists who are already familiar with this field of therapy.

Q.Light® PRO is manufactured for a broad platform of applications, simply by inserting different filter modules. This large production base means that the cost for PDT is highly competitive. We understand that rival equipment currently used in PDT was reduced quite recently from €20,000 to €12,000. Medilux UK Ltd. direct sale price for Q.Light® PRO on the PRO-Plus stand including both PDT filter modules is under £4,148 delivered.

Q.Light® therapy for SEASONAL AFFECTIVE DISORDER

The benefits of phototherapy for S.A.D. are widely known and acknowledged. **Q.Light® PRO** in conjunction with the **filter module 'S.A.D. Care'** delivers visible light in the 420-780nm range, with intensity 10,000 Lux at 40cm treatment distance. Most 'light boxes' use fluorescent tubes, which give a harsh, flickering and unstable light, but the light from Q.Light® PRO is clear, steady and more evenly spread across the stated frequency range.

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Q.Light® Treatment Guide

As recommended by Q.Products AG (Biotechnology & Photomedicine), Switzerland



Q.Light® Therapy for ACNE

Scientific studies and empirical reports show individual cases of acne can be significantly reduced or even completely healed by regular therapy with **Q.Light®**. As individual treatment sessions are very short Q.Light® therapy can easily be integrated into traditional - local or systemic - regimens of acne therapy.

The average dose is 9.6 J/cm², applied once per day. For optimal results it is recommended to clean the area to be treated with a mild cleanser, then direct the **Q.Light®** beam at a right angle to the treatment area. Treatment times per session are:

| Models | Time | Treatment distance |
|--|--------|--------------------|
| Q.Light® PRO with Acne Care Filter Module | 15 min | 40cm |
| | 10 min | 30cm |
| | 7 min | 20cm |
| Q.Light® Skin Care with Acne Care Filter Module or Q.Light® Acne Care or Q.Light® Home Care | 20 min | 40cm |
| | 15 min | 30cm |
| | 10 min | 20cm |

Q.Light® Therapy for PAIN

Q.Light® can be an ideal complementary treatment to a variety of pain management programmes and its beneficial influence can affect the patient's general condition as well as pain symptoms. The average dose applied to the region of pain is around 12J/cm² to 24J/cm².

For optimal results **Q.Light®** therapy should be applied daily, twice per day, but in acute stages sometimes three to four times per day. The light beam is directed at a right angle to the area to be treated and in cases of joint treatment it is possible to extend the therapy without danger. No side effects or contra-indications have been reported.

| Models | Time | Treatment distance |
|--|-------------|--------------------|
| Q.Light PRO® with Pain Care Filter Module | 10 - 20 min | 40cm |
| | 7 - 15 min | 30cm |
| | 5 - 10 min | 20cm |
| Q.Light® Skin Care with Pain Care Filter Module or Q.Light® Pain Care or Q.Light® Home Care | 15 - 25 min | 40cm |
| | 10 - 20 min | 30cm |
| | 7 - 15 min | 20cm |

Q.Light® Therapy for PSORIASIS, DERMATITIS and dry skin conditions

Q.Light® Therapy can offer relief for people with psoriasis conditions. As individual treatment sessions are short, it can easily be integrated into a standard psoriasis care programme depending on indication. The average dose applied to psoriasis is around 12J/cm² and the beneficial and regenerating effect of the **Q.Light®** Therapy can be used to support various forms of skin treatments.

Special dermatological creams can be applied before or after the light treatment. Any residue of cream should be wiped away if applied before commencing the light treatment. **Q.Light®** therapy offers relief of itching within days. The condition normally improves within the first two weeks, however in some cases it is very difficult to achieve total regeneration of the skin. It is recommended to continue long term **Q.Light®** therapy after initial symptom response, to regulate the immune system and moderate future flare-ups.

Q.Light® therapy is applied for just a few minutes once or twice per day. In order to use the Q.Light® system effectively, the skin should be cleansed before exposure to the light. Side effects and contraindications have not been reported. It is advisable to check longer lasting skin conditions with a specialist to receive additional professional advice.

| Models | Time | Treatment distance |
|--|-------|--------------------|
| Q.Light® PRO with Psoriasis Care Filter Module | 4 min | 40cm |
| | 3 min | 30cm |
| | 2 min | 20cm |
| Q.Light® Skin Care with Psoriasis Care Filter Module or Q.Light® Psoriasis Care or Q.Light® Home Care | 5 min | 40cm |
| | 4 min | 30cm |
| | 3 min | 20cm |

Q.Light® Treatment Guide

Q.Light® Therapy for WOUNDS and BURNS

Typically, wound healing takes place in three interlinking phases: endogenous purification, granulation and epithelialisation. **IMPORTANT NOTE:** In the initial treatment phase of chronic wounds some patients' wounds may respond to light treatment with rapid closure at the edge of the wound site. In these cases light therapy should be discontinued for a few days for the system to adjust and allow healing to proceed evenly. Recommence light therapy after this short period according to the treatment indications below.

For optimal results **Q.Light®** therapy should be applied on a daily basis, with the light beam directed at a right angle to the area under treatment. The average dose applied to wounds is 12J/cm².

| Models | Time | Treatment distance |
|---|-------|--------------------|
| Q.Light® PRO with either Wound Care Filter Module | 4 min | 40cm |
| | 3 min | 30cm |
| | 2 min | 20cm |
| Q.Light® Skin Care with either Wound Care Filter Module or Q.Light® Wound Care or Q.Light® Home Care | 5 min | 40cm |
| | 4 min | 30cm |
| | 3 min | 20cm |

INFRA-RED

Infra red-light produces a warming effect that stimulates blood circulation and can promote healing. It is not recommended to apply infra-red to infected wounds or to burns however, so there are two Wound Care filter modules to choose from, with and without infra-red. **Q.Light® Wound Care** is supplied with both filter modules, making this model exceptionally good value.

BURN WOUNDS

Q.Light® therapy can reduce the need for surgery in the treatment of deep dermal burns, if applied immediately after admission to hospital. Within this group of patients, the use of light therapy accelerates wound healing and allows for early pressure therapy, therefore reducing hypertrophic scarring and contractures. In addition shortened hospitalisation results in cost benefits and increased patient satisfaction. This form of light therapy has become first choice for deep dermal burns in many hospitals and specialist burn centres.

Q.Light® Therapy for SEASONAL AFFECTIVE DISORDER

For optimal results with **Q.Light® S.A.D.** therapy, it is important to apply an effective dose for adequate biological response. The light beam is directed from the front, directly onto the face and the treatment should be applied on a daily basis. It is not necessary to look directly into the light beam! One can read a book or magazine whilst receiving the light therapy.

Some studies have reported positive responses in patients with non-seasonal depression, premenstrual syndrome (late luteal dysphoria), bulimia, and alcohol withdrawal symptoms. Beneficial results have also been obtained by using the known capacity of light administration and light restriction to shift circadian rhythms.

| Models | Time | Lux | Treatment distance |
|--|--------------|--------|--------------------|
| Q.Light® PRO with S.A.D. Care Filter Module | 60 – 120 min | 2,500 | 80cm |
| | 40 - 60 min | 10,000 | 40cm |
| Q.Light® Skin Care with S.A.D. Care Filter Module or Q.Light® S.A.D. Care | 60 – 120 min | 2,500 | 60cm |
| | 40 - 60 min | 10,000 | 30cm |

Q.Light® Therapy for BEAUTY

For optimal results **Q.Light®** therapy should be applied on a daily basis, especially if treating fine lines and wrinkles. As individual treatment sessions are short, they can easily be integrated into a standard cosmetic programme. The average dose applied for general cosmetic treatments is around 12J/cm². The beneficial and regenerating effect of **Q.Light®** therapy can be used to support normal cosmetic treatments and take-up of moisturisers is increased following light treatment.

Q.Light® therapy is applied for just a few minutes once or twice per day. In order to use the **Q.Light®** system effectively, the skin should be cleansed before exposure to the light.

| Models | Time | Treatment distance |
|--|-------|--------------------|
| Q.Light® PRO with Filter Modules Skin Care, Cellulite Care or Anti-Ageing Care | 4 min | 40cm |
| | 3 min | 30cm |
| | 2 min | 20cm |
| Q.Light® Skin Care with Filter Modules Skin Care, Cellulite Care or Anti-Ageing Care or Q.Light® Home Care | 5 min | 40cm |
| | 4 min | 30cm |
| | 3 min | 20cm |