



SUCCESS BUILDS TRUST.

STATE-OF-THE-ART LIGHT TECHNOLOGIES FOR HOME THERAPY



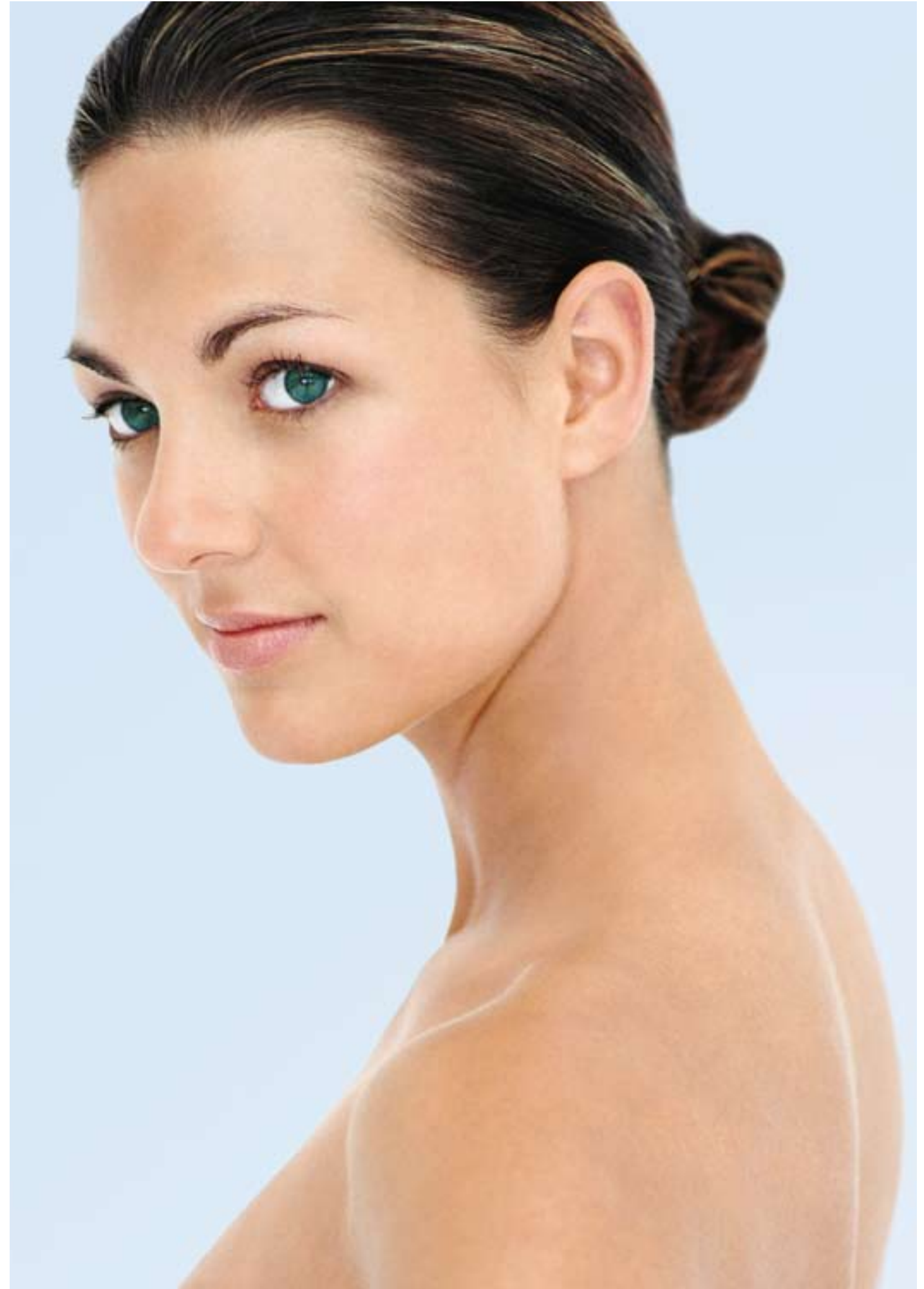
In addition to the proper selection and use of pharmaceuticals as well as physical methods, the willingness of a patient to constructively support the treatment ordered by the physician is a crucial factor. The necessary trust, however, cannot simply be prescribed.

Rather, it is important that the patient is comprehensively informed about the prospects of success, and also about the risks of a therapy.

Additional factors include the rationally ascertainable, but also the emotionally perceived competence of the treating physician and the treatment agents used. This fundamental trust is of paramount importance for longer-term therapies, for example, for skin conditions such as psoriasis, neurodermatitis, or vitiligo. In these instances, full treatment discipline without interruption is required from the patient. However, optimal application can produce excellent results, while offering gentle treatment at the same time. Light therapies have a natural origin. The high-energy sunlight has always had a healing or alleviating effect on a variety of skin diseases.

For more than 30 years, Waldmann has developed and produced technologically superior therapy systems in close cooperation with skin clinics and dermatologists in order to specifically generate the effective UV light spectra. With the proper dosage and/or treatment duration, the skin condition can be improved, all the way to achieving freedom of symptoms. Waldmann UV light systems for home therapy are produced according to the same strict criteria that also apply to professional equipment.

The high safety standards allow the treating physician to transfer proven therapies and treatment regimens to be performed at home by responsible patients. This provides considerable relief for the patient. Yet, regular doctor visits are indispensable even with home therapy in order to ensure optimum medical care.



FULL-BODY UV THERAPY SYSTEM UV 100 L

In addition to professional, high-quality equipment and easy and safe handling, the compact design is critically important for UV therapy systems for home applications. The Waldmann full-body UV therapy system UV 100 L is equipped with folding side parts, which enable homogeneous irradiation from head to toe, including the lateral body areas – an immense advantage over conventional devices. After the treatment, the device is simply folded up and can then be stowed without difficulty thanks to the small dimensions. In addition, space-saving mounting to the wall is possible.

- Folding side parts for simultaneous homogeneous irradiation of lateral body areas.
- Illuminated LCD controller with navigation for joule or time input with dose limitation for additional safety.
- Also included: Wall fastener, UV-protective goggles for patients.

Application:
Full-body therapy for the homogeneous treatment from head to toe, with simultaneous treatment of the lateral body areas.



TECHNICAL DATA

Dimensions (WxHxD) folded-up:	approx. 604 x 1880 x 512 mm
Dimensions (WxHxD) opened:	approx. 844 x 1880 x 512 mm
Mobility:	in all directions via 4 castors
Weight (without packaging):	approx. 57.5 kg
Powder coating:	similar to RAL 9010 (white), similar to RAL 7035 (light grey)
Power consumption:	approx. 0.95 kW, cos φ 0.98
Built-in safety features:	2 low-current fuses T6, 3H 250 V
Protective measure:	Protection class I (grounding conductor connection)
Connection voltage / frequency:	230 V/50 Hz
Connecting cable:	approx. 5 m with 3-pin moulded plug
Classification according to MDD (Medical Device Directive):	II a
Equipment variants for monotherapy devices:	PUVA, UV6, TL01





FULL-BODY UV COMPACT SYSTEM GH-8/GH-8 ST

Through their simple and safe operation as well as the low space requirement, the GH-8 and GH-8 ST full-body irradiation devices are excellently suited for long-term therapies at the patient's home. The devices are sturdy and extremely mobile due to the attached castors. An acrylic glass screen covers the UV lamps. This facilitates cleaning. The timer is controlled by a microprocessor and is provided with safety shutoff and dose limiter features.

GH-8

- Low space requirement, low weight.

GH-8 ST

- Irradiation unit pivotable into different positions.

Application:

Full-body therapy for treatment from head to toe.



GH-8 ST



GH-8 ST

TECHNICAL DATA

Dimensions (WxHxD) GH-8:	approx. 775 x 2000 x 475 mm
Dimensions (WxHxD) GH-8 ST:	approx. 700 x 2100 x 550 mm
Mobility:	in all directions via 4 castors
Weight (without packaging) GH-8:	approx. 41 kg
Weight (without packaging) GH-8 ST:	approx. 44 kg
Powder coating:	similar to RAL 9010 (white), similar to RAL 7035 (light grey)
Power consumption:	approx. 1.1 kW/cos ϕ 0.85
Built-in safety features:	2 low-current fuses T 6.3H 250 V
Protective measure:	Protection class I (grounding conductor connection)
Connection voltage/frequency:	230 V/50 Hz
Connecting cable:	approx. 2.5 m with 3-pin moulded plug
Classification according to MDD (Medical Device Directive):	Ila
Equipment variants for monotherapy devices:	PUVA, UV6, TL01



GH-8

PARTIAL BODY UV THERAPY SYSTEM UV 236

The partial body UV therapy system UV 236 was developed for partial treatment, especially of hand and foot surfaces and of facial areas (support available as accessory). Despite high irradiance intensity, which pleasantly shortens the treatment times, the system requires very little power. In addition, heat build-up is low and in no way impairs the patient's well-being.

- Adjustable support, including locking function and stop.
- Easy-to-clean acrylic glass plate.
- High irradiance intensity, short treatment times.

Applications:

- Irradiation of hands
- Irradiation of feet
- Irradiation of face (accessory: support)



TECHNICAL DATA

Dimensions (WxHxD):	approx. 470 x 100 x 280 mm
Weight (without packaging):	approx. 6.5 kg
Powder coating:	similar to RAL 9010 (white)
Power consumption:	approx. 78 W, cos Φ 0.44
Built-in safety features:	2 low-current fuses T 1.6H 250 V
Protective measure:	Protection class I (grounding conductor connection)
Connection voltage:	230 V/50 Hz
Connecting cable:	approx. 2 m with 3-pin moulded plug
Classification according to MDD (Medical Device Directive):	II a
Equipment variants for monotherapy devices:	PUVA, UV6, TL01



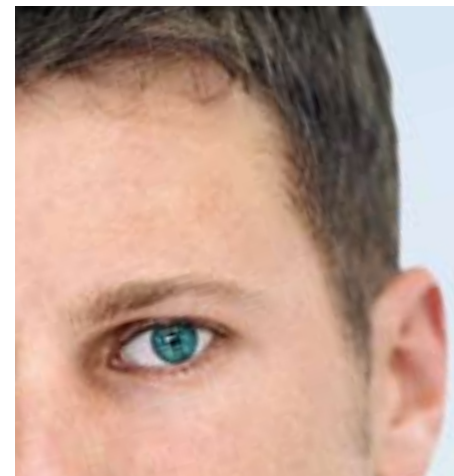
UV THERAPY HAND LAMP UV 109

The handy and lightweight UV therapy hand lamp enables extremely short application times due to its high irradiance. As a result, this proven device is ideal for treatment of the scalp (comb attachment included) and smaller skin areas. Also excellently suited for the treatment of fingernails, armpits and the genital/anal area.

- Handy and lightweight UV therapy hand lamp with integrated reflector.
- High irradiance, short treatment times.
- Electronic timer and UV protective goggles included in delivery.
- Custom-made storage case

Application:

- Scalp and smaller skin areas.
- Suited for the treatment of fingernails, armpits and the genital/anal area.



TECHNICAL DATA

Dimensions (WxHxD):	approx. 263 x 50 x 35 mm
Weight:	approx. 700 g (without packaging, with ballast)
Protective tube:	impact-resistant, transparent plastic
Connection voltage:	230 V/50 Hz
Connecting cable:	approx. 3 m with plug-in ballast
Classification according to MDD (Medical Device Directive):	II a
Equipment variants for monotherapy devices:	UVA, UV21, TL01



UV LAMPS

For more than 30 years, the UV fluorescent lamps of Waldmann have set standards for therapeutic success. The UV fluorescent lamps stand out because of the high standard of quality and efficiency. In clinics and doctors' offices, UV-A lamps as well as UV-B lamps for phototherapy demonstrate their performance every day. Continuous quality improvements result in high irradiance.

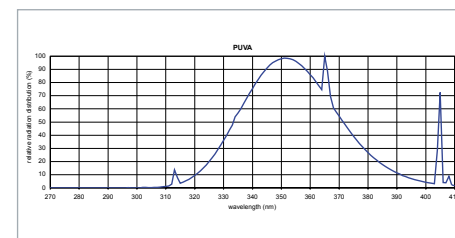
Below is an overview of our lamps (UV-A and UV-B).

IRRADIATION DATA (UV-A)

Waldmann PUVA
36 Watt (approx. 410 mm without pins)
100 Watt (approx. 1764 mm without pins)

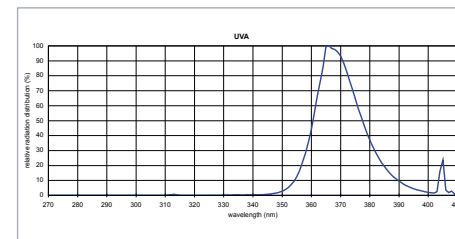
Spectral radiation distribution:
Main emission 320 – 410 nm
maximum 351 nm

SPECTRAL CHARACTERISTICS



Waldmann UVA
9 Watt (approx. 166 mm with base)

Spectral radiation distribution:
Main emission 350 – 400 nm
maximum 370 nm

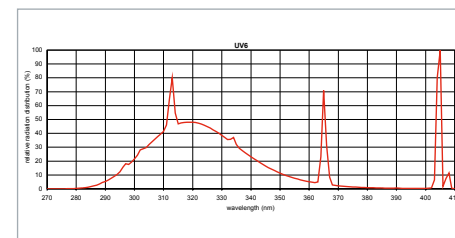


IRRADIATION DATA (UV-B)

Waldmann UV 6
36 Watt (approx. 410 mm without pins)
100 Watt (approx. 1764 mm without pins)

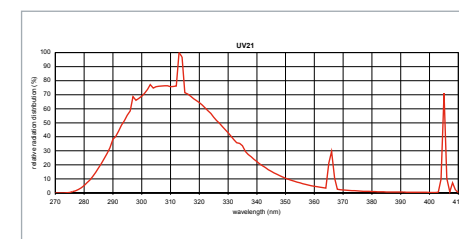
Spectral radiation distribution:
Main emission 280 – 360 nm
maximum 324 nm

SPECTRAL CHARACTERISTICS



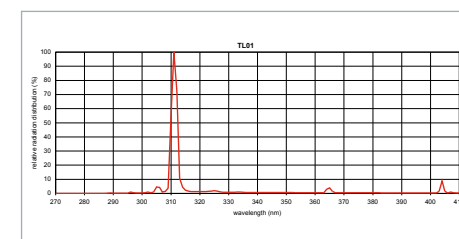
Waldmann UV 21
9 Watt (approx. 166 mm with base)

Spectral radiation distribution:
Main emission 280 – 350 nm
maximum 306 nm



Waldmann TL 01
9 Watt (approx. 166 mm with base)
36 Watt (approx. 410 mm without pins)
100 Watt (approx. 1764 mm without pins)

Spectral radiation distribution:
Main emission 310 – 315 nm
maximum 311 nm



HEALING EFFECT OF SUNLIGHT

Light, with its entire spectrum, provides humans, animals, and plants with energy and vitality. For thousands of years, the soothing and healing effect of solar radiation (heliotherapy) has been used for medical purposes. Direct contact with salt water, breathing in the salt air, and the UV and thermal radiation of the sun have a sustained healing effect.

Photo(chemo)therapy

Phototherapy is a treatment method using ultraviolet light. During photochemotherapy, also referred to as PUVA therapy, a light-sensitizing substance is additionally administered.

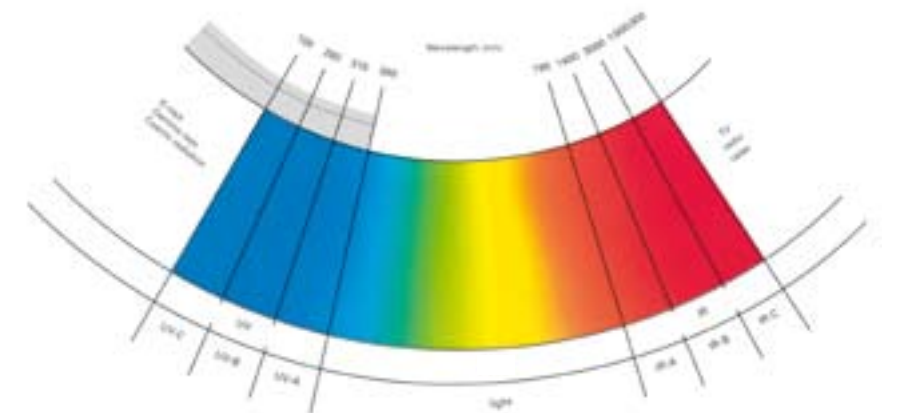
Fields of applications

- Psoriasis is a chronic skin disease caused primarily by genetics, which affects approx. 2% of the fair-skinned population. Photo(chemo)therapy is very likely to result in the elimination of symptoms.
- Atopic dermatitis (neurodermatitis or endogenous eczema) is a generally chronic inflammatory skin disorder. In the majority of patients, treatment with phototherapy has a favorable effect.
- Vitiligo is a frequently occurring skin disease. It is more than just a minor pigmentation disorder – the pigment-forming cells (melanocytes) are for the most part destroyed. When applied over an extended period, phototherapy can result in cosmetically beneficial results.
- Other photodermatoses (photoallergies).

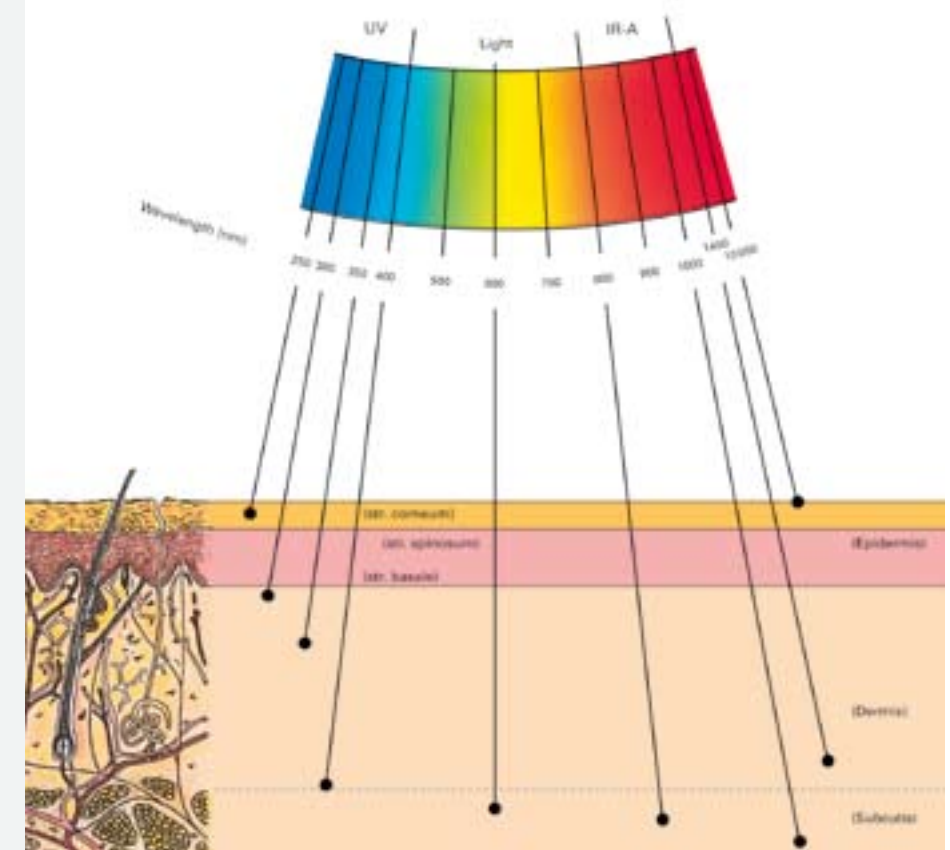
Mechanisms of action

- Anti-proliferative effects
- Immunomodulator mechanisms
- UV-induced apoptosis

Spectrum of electromagnetic radiation according to DIN 5031-7



Penetration depth of optical radiation into the skin



HEADQUARTERS GERMANY

Herbert Waldmann GmbH & Co. KG
Postfach 5062
D-78057 Villingen-Schwenningen
Phone +49 7720 601 - 200
Fax +49 7720 601 - 290
www.waldmann.com
info@waldmann.com

FRANCE

Waldmann Eclairage S.A.S.
Z.I. Rue de l'Embranchement
F-67116 REICHSTETT
Mailing address:
BP 23431 Reichstett
F-67455 MUNDOLSHEIM Cedex
Phone +33 (0) 388209588
Fax +33 (0) 388209568
www.waldmann.com
info-fr@waldmann.com

SWITZERLAND

Waldmann Lichttechnik GmbH
Benkenstrasse 57
CH-5024 Küttigen
Phone +41 (0)62 839 12 12
Fax +41 (0)62 839 12 99
www.waldmann.com

THE NETHERLANDS

Waldmann Medische Techniek B.V.
Lingewei 19
NL-4004 LK Tiel
Phone: +31 (0) 344 - 631019
Fax: +31 (0) 344 - 627856
www.waldmann.com