

MED-UV[®]

EPL[®] – EXCIMER PULSED LIGHT

**FOR EFFICIENT TREATMENT
OF PSORIASIS & VITILIGO**



Hand-held 308 nm EPL[®] device for the efficient treatment of a wide range of dermatological and aesthetic indications.



GME
German Medical Engineering

EFFICIENT LIKE A LASER AFFORDABLE LIKE A LAMP

**Very low
operating costs**

**Class IIb medical device
with CE approval**

**Durable
light source**

„I have treated thousands of patients with GME's
EPL® Excimer systems with outstanding results!“

**Ahmed Abu Sharia, MD
United Arab Emirates**

**Clinically tested
by experts**

**No consumables or
single-use items**

**Unlimited treatment
volume during
warranty period**

MED-UV®

EPL® – EXCIMER PULSED LIGHT

MED-UV® by GME is a handy and powerful UVB 308 nm device for the treatment of a variety of dermatological indications such as psoriasis and vitiligo. In addition, MED-UV is also suitable for the treatment of aesthetic indications such as striae.

HANDY. FAST. POWERFUL.

MED-UV® is based on Excimer Pulsed Light (EPL®) technology and thus combines all the advantages of excimer lasers and lamps in a single, portable device. To perfectly tailor MED-UV® to your treatment preferences, two different variants are available.



POWERFUL AND FAST UVB TREATMENT OPTIONS
DESIGNED TO FIT ON YOUR DESK



UVB EPL® 308 nm

Powerful 308 nm UVB excimer device for frequent treatments. With a power density of up to 100 mW/cm², treatments are twice as fast as with comparable systems.

UVB EPL® LITE 308 nm

Slim 308 nm LED device perfect for precision treatment of smaller lesions. The long-life light source is a reliable alternative for occasional treatments.

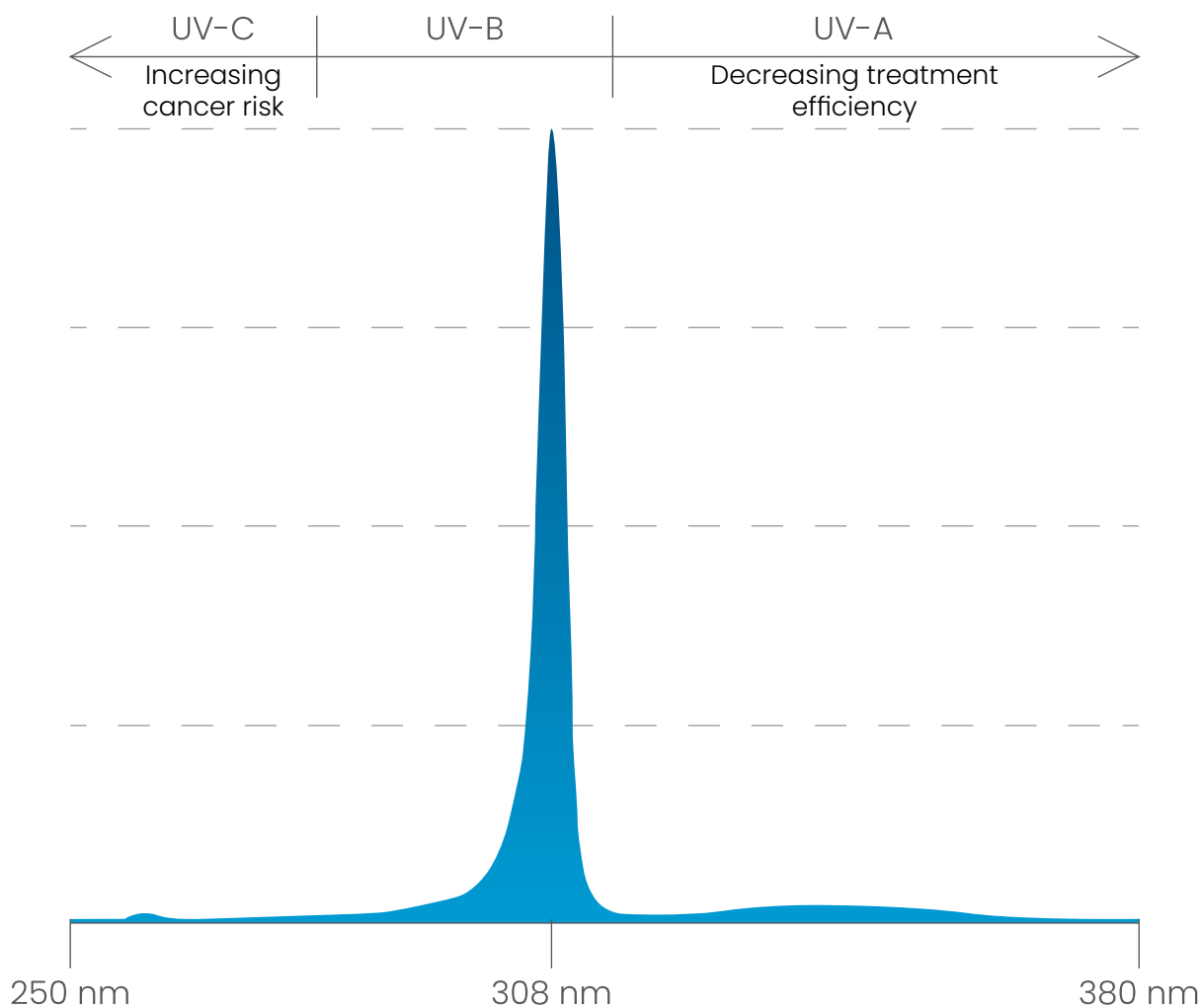


MED-UV®

EPL® TECHNOLOGY

For powerful and targeted UVB treatments, German Medical Engineering has developed Excimer Pulsed Light (EPL®) technology. This technology combines the advantages of excimer lasers with the inexpensive price of ex-

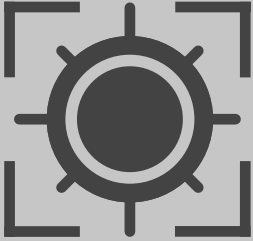
cimer lamps. With MED-UV®, users do not have to make any concessions - neither in terms of cost nor in terms of performance.



MONOCHROMATIC

MED-UV® uses the same emission spectrum as excimer lasers: monochromatic UVB light of wavelength 308 nm. This wavelength lies within the UV-B area and thus represents the sweetspot of the UV spectrum for safe and effective treatment of vitiligo and psoriasis. Numerous clinical studies prove that excimer systems provide exactly the results you would expect from excimer lasers, at a fraction of the cost.

ADVANTAGES OF MED-UV®



TARGETED

Exposure is specifically focused on the affected areas of the skin. The treatment area can be additionally adjusted by means of the treatment attachments and adapters. Compared to conventional UVB treatments, targeted phototherapy is more effective.

Targeted UVB exposure limited to the affected skin areas saves time and minimizes side effects



POWERFUL

With a power density of up to 100 mW/cm^2 , the MED-UV EPL® 308 nm version is twice as powerful as most excimer lamps. The treatment rate is comparable to that of excimer lasers.

The application of super-erythemogenic energy doses leads to improved efficacy and faster skin response



FAST & SAFE

MED-UV® requires fewer treatment sessions on average compared to narrow band UV therapy, resulting in less cumulative UV exposure. Since only the affected areas are treated, the healthy skin is not exposed to UV light.

Brief treatments and site-specific exposure reduce UV exposure to the skin to a minimum

MED-UV®

CLINICAL USE


VITILIGO
PSORIASIS
STRIAE
ALOPECIA AREATA*
ATOPIC DERMATITIS*
MYCOSIS FUNGOIDES*
LICHEN PLANUS*

MED-UV® is suitable for the treatment of a wide range of UV-sensitive skin diseases. In addition to dermatological indications, MED-UV® can also be used for aesthetic treatments. You can find all before and after pictures on our website:

www.med-uv.de

VITILIGO

Typical treatment time for a single vitiligo lesion with MED-UV EPL® 308 nm



1 - 3 sec.

UVB EPL® 308 nm



Before



Result after 20 treatment sessions

UVB EPL® LITE 308 nm



Before



Result after 20 treatment sessions

PSORIASIS

Typical treatment time for a single psoriasis lesion with MED-UV EPL® 308 nm



2 - 7 sec.

UVB EPL® 308 nm



Before



Result after 4 treatment sessions

UVB EPL® 308 nm



Before



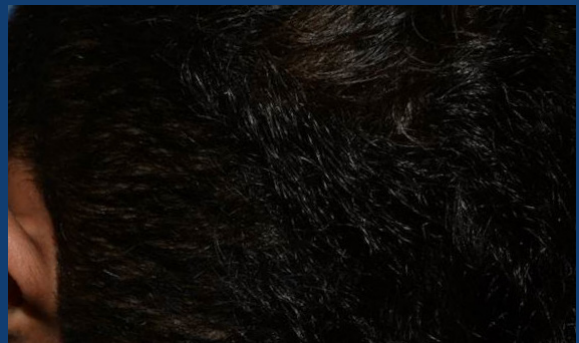
Result after 20 treatment sessions

ALOPECIA AREATA*

UVB EPL® 308 nm



Before



Result after 17 treatment sessions

MED-UV®

ADAPTERS & ATTACHMENTS

PERFECT PRECISION IN HARD-TO-REACH AREAS



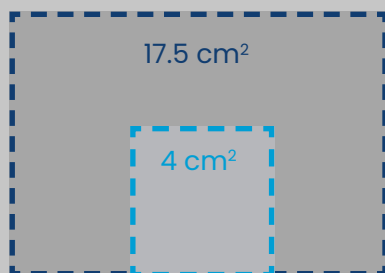
The treatment adapter helps you to adjust the UVB EPL® 308 nm variant precisely to small treatment areas. The light generated by MED-UV® is then delivered to the lesion by means of transparent fused silica rods. This keeps the treatment area perfectly visible at all times without reducing the light intensity. Different lengths and diameters of the fused silica rods allow adjustment to almost any treatment situation including hard-to-reach areas. The adapter is easily attached to MED-UV® by means of a snap-on system.

EASY ADJUSTMENT OF THE EXPOSURE AREA

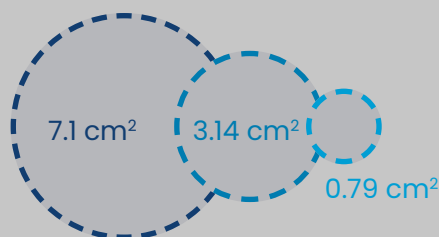
The coated treatment attachments are designed to easily fit the MED-UV® exposure field to more varied treatment areas. This way, the UV light is only applied to the actually affected skin areas, thus minimizing the occurrence of undesired side effects.

SHAPES & SIZES

Rectangular treatment tips:



Round treatment tips:



Scale of depicted treatment areas 1:1

YOUR CHOICE OF STYLE

The power supply unit and the applicator holder of MED-UV® are located in the power box. Power Box is available in two different case variants. The variants only differ visually from each other. You have the choice between the appealing Premium case and the cost-effective Basic case.

Power Box Premium



Power Box Basic



SAFETY NOTE

MED-UV® is a medical device. MED-UV® may only be used by healthcare professionals after appropriate training has been successfully completed.

SPECIFICATIONS

Light source	EPL® Excimer Pulsed Light	
Wavelength	308 nm	
Max. dose	6,000 mJ/cm ²	
Power density	100 mW/cm ²	UVB EPL® 308 nm
	50 mW/cm ²	UVB EPL® Lite 308 nm
Max. treatment area	17.5 cm ²	
Applicator dimensions (cm)	13 x 12 x 22 cm	UVB EPL® 308 nm
	12 x 6 x 16.5 cm	UVB EPL® Lite 308 nm
Applicator weight	1 kg	UVB EPL® 308 nm
	0.4 kg	UVB EPL® Lite 308 nm

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INDICATIONS

VITILIGO & PSORIASIS
ALOPECIA AREATA*
ATOPIC DERMATITIS*

MYCOSIS FUNGOIDES*
LICHEN PLANUS*
STRIAE*

*not approved in the US

ADVANTAGES

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operating costs**

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 **GME**
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