




R-PDT	635nm	37J/cm ² @ 15 cm	14 Min
DL-PDT	400-700nm	14J/cm ² @ 30 cm	30 Min
DL-PDT	400-700nm	14J/cm ² @ 30 cm	60 Min
DL-PDT	400-700nm	14J/cm ² @ 30 cm	120 Min

TERA PDT

Innovative solution for photodynamic therapy

Made in Switzerland 



What is PDT?

PDT uses light-sensitive substances that accumulate in diseased cells. Light activation by red-light (635 nm) and daylight generates reactive oxygen species (ROS), which selectively destroy precancerous cells.¹

PDT is primarily used for actinic keratosis (AK) and nonmelanoma skin cancer (NMSC).

Difference between daylight and red light

When performing dl-PDT, patients are incubated for up to 30 min and then exposed to natural daylight for 2 hours. This leads to a continuous accumulation and activation of PPIX with almost painless application of PDT. According to the German guideline for actinic keratoses, red light therapy is more painful than daylight therapy.² Please refer to the photosensitizer manufacturer for the application of the therapy.



Swiss-engineered and designed optics for the perfect therapeutic application.

Derungs stands for precision and innovation in lighting technology since 85 years. Our Swiss engineering combines advanced optics with efficient design to create optimal conditions for therapeutic applications.



“The perfect all-in-one solution for my dermatological practice.”

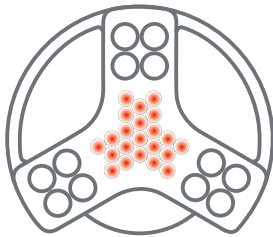
Prof. asoc. inv. Dr. med. Markus Steinert

¹ S3 Leitlinie Aktinische Keratose und Plattenepithelkarzinom der Haut, S. 121, Dezember 2022

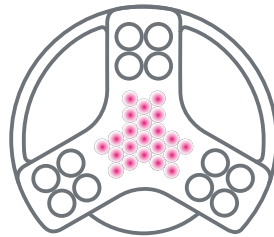
² S3 Leitlinie Aktinische Keratose und Plattenepithelkarzinom der Haut, S. 164, Dezember 2022



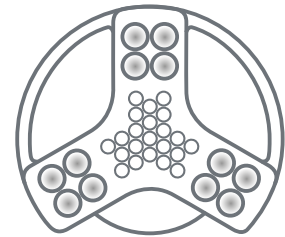
The latest innovation for the dermatologist



Red light PDT



Daylight PDT



Examination light



Flexible mounting options
No matter if ceiling, wall or floor



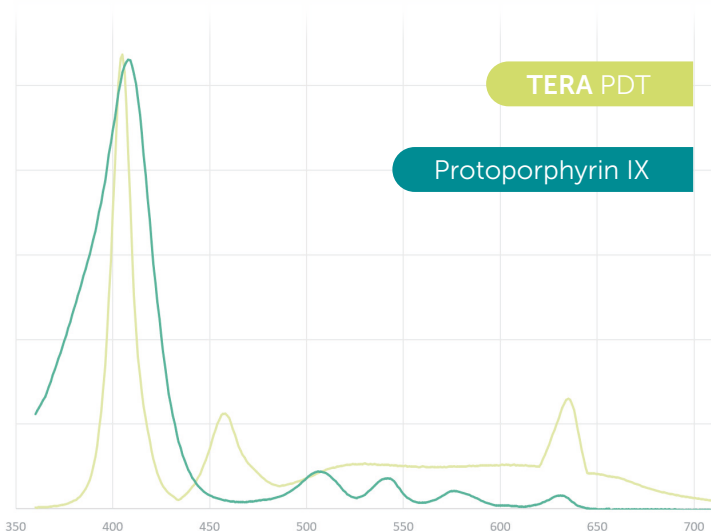
Affordable & compact
High performance in a space-saving design



Intuitive control concept
Easy operation with smart panel



Homogeneous therapy field
Even light distribution for optimal therapy



For daylight therapy with the TERA PDT, the spectrum was modelled as closely as possible to the absorption peaks of protoporphyrin IX.³

³ DIN_5031-10_2018_photobiologisch_wirksame_strahlung, S30, 2018

TERA PDT

Spectrum	Daylight: 400 nm - 700 nm Red light: 635 nm
Dosis	14 J/cm ² - 37 J/cm ²
Therapyfield (Diameter)	Daylight: 379 cm ² (22 cm)* Red light: 78,5 cm ² (10 cm)*
Therapytime	14 min - 120 min
Medical class	Ila
Weight	mobilversion: 9,5 kg ceilingversion: 9,0 kg wall- and tableversion: 2,0 kg

*Average bald area of an adult male approx. 249 cm²



Functional design

Derungs medical lights are distinguished by their details: ergonomic operation for right- and left-handers, easy cleaning and outstanding lighting technology.

Optimum vision

Illuminance power, colour temperature and colour rendering index of our LED modules are perfectly matched to the medical workplaces. Special optics ensure a clearly defined and homogeneous light.

Durable use

Modern LED technology and high-quality components ensure long-lasting use. Lockable joints ensure positionally stable light and high comfort.



Derungs Competences

- Developer and manufacturer of medical lights with a global distribution network
- Innovative light technology with functional design
- Swiss quality products with over 80 years of experience



Derungs Licht AG
Hofmattstrasse 12
9200 Gossau
Switzerland

Tel. +41 71 388 11 66
mailbox@derungs.swiss
www.derungs.swiss