



## Solmed - Irradiation lamp

### Product short description:

**Solmed infrared irradiation lamp** designed to perform treatments for heating skin tissues with thermal energy of infrared radiation. In addition, depending on the desired effect of the treatment, a red or blue color filter can be used to change the radiation characteristics. **Solmed** is available in three models: **Solmed UNO**, **Solmed DUO**, **Solmed Trio**.

### Product gallery:



## **Product description:**

### **Solmed - Irradiation lamp**

Solmed UNO is a lamp designed to perform skin heating procedures using the thermal energy of infrared radiation emitted by a source with one bulb, two in the DUO version or three in the TRIO version.

In addition, depending on the desired effect of the treatment, a red or blue color filter can be used to change the radiation characteristics. The lamp can be used for treatment of certain chronic and subacute inflammatory conditions and pain syndromes. The treatment can be a preparation before massage, therapy, manual, iontophoresis, kinesitherapy.

The use of an appropriate filter allows selective transmission of electromagnetic radiation in a given wavelength range.

A red filter lets infrared radiation and red visible radiation (with a wavelength of 620-750 nm) through.

A blue filter lets through mainly blue visible radiation (with a wavelength of about 450-495 nm).

## **Features:**

IR light emission.

1 (Solmed UNO), 2 (Solmed DUO) or 3 (Solmed TRIO) infrared heaters.

Easy tube position adjustment.

Easy height adjustment via gas spring (concealed inside the stand).

Each tube has 2 reflectors to minimise IR light loss, built-in fan, filter holder system.

Security mesh protects the user from accidental burns or shatter debris.

Irradiation power adjustment.

Treatment time adjustment (every minute).

Easy to use operating panel with keys for changing work parameters (time, light bulb power, bulb selection (DUO, TRIO), START/STOP).

Base with 4 casters with brakes.

Each program is a sequence of 1 to 6 stages with a given duration time and power level.

10 user programs (P0...P9)

### **Orange (amber) filter**

Orange is the color of creativity, combining mental abilities with physical energy. It symbolizes warmth and success, and is associated with self-esteem. It provides well-being and joy. In color therapy, the color orange affects: digestion, nephritis, menstrual pain, menopause. It is done by illuminating organs such as blood

circulation, genitals.

## **Green filter**

Green is the color, of development, progress, hope, balance, love and fertility. It is associated with affection. It also symbolizes jealousy, anger, superstition as well as inexperience. In color therapy, the color green affects: shock therapy, burns, hypertension. It is done by illuminating organs such as the thymus gland, digestive systems.

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## **Indications for the use of Solmed**

Musculoskeletal pain therapy

Preparation before massage, manual therapy, iontophoresis, kinesitherapy, electrotherapy

Degeneration of the cervical spine

Inflammatory conditions of soft tissues

Analgesic effect

Neuralgia

Pain syndromes of the spine

Post-traumatic conditions

Wound healing

Arthritis

Delayed onset muscle pain syndrome

Inflammation of cranial nerves

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Subfebrile states and fever

Cancer

Acute inflammation of the skin and soft tissues

Hypersensitivity to thermal stimuli

Sensory disorders

Period of pregnancy

Circulatory insufficiency

To begin the procedure, the patient should assume a comfortable position and expose the area to be irradiated.

Prior to treatment, the therapist will check the patient for any sensory disturbances. Throughout the irradiation process, the therapist should monitor the patient's condition and assess the condition of the patient's skin after treatment. The dose of IR radiation will be set individually for each patient based on their subjective sensation of heat.

During the treatment, the patient should experience a pleasant but fairly intense heat. The duration of the treatment should be between 15-20 minutes, depending on the area being treated and the patient's age. If the radiation source is moved further away from the skin, the exposure time can be extended.

When performing irradiation, the eyes should be protected with special protective goggles.

### Example of Solmed lamp treatment sequence (power change every 5 minutes)

10% 30% 60% 100% 80% 60%

Treatment time 30 minutes ( power in % )

### Standard equipment:

- bulb ( 1 pc.) [Solmed DUO 2 pcs., Solmed TRIO 3 pcs.]
- **red filter** ( 1 pc.) [Solmed DUO 2 pcs., Solmed TRIO 3 pcs.]
- **blue filter** ( 1 piece) [Solmed DUO 2 pieces, Solmed TRIO 3 pieces]
- protective glasses for operator and patient ( 2 pcs.)
- assembly kit
- operating instructions

### Additional accessories:

- green filter
- orange filter
- filters holder

### Technical data:

	Solmed UNO	Solmed DUO	Solmed TRIO
Power supply:	220-230 V, 50/60 Hz	220-230 V, 50/60 Hz	220-230 V, 50/60 Hz
Bulb power:	max. 375 W	max. 375 W	max. 375 W
Power consumption:	max. 395 W	max. 770 W	max. 1140 W
Fuses:	2 x T8AH / 250 V	2 x T8AH / 250 V	2 x T8AH / 250 V
Adjustable power:	(10 - 100) %	(10 - 100) %	(10 - 100) %
Dimensions (L x W x H) [cm]:	74 x 48 x min. 117, max. 175	67 x 48 x min. 117, max. 175	74 x 61 x min. 117, max. 175
Weight:	23 kg	28 kg	30 kg
Treatment time:	1 - 30 min	1 - 30 min	1 - 30 min

### Video presentation:

**Product codes:**

Reference: -

EAN13: -

UPC: -

**Product features:**

**Product attributes:**

Physiotherapy - Solmed Version: Solmed UNO,  
Solmed DUO, SOLMED TRIO

Physiotherapy - Filter holder: No, Yes