

MedWave™

OPTIMUM-100S

Device Overview

Professional red light therapy panel
Optimum-100S · 635nm photobiomodulation

www.medwavegroup.com

Technical *Specifications*

MODEL	Optimum-100S Red light therapy (photobiomodulation) panel
WAVELENGTH	635nm — visible red light
LED CONFIGURATION	585 LEDs LED type subject to update
POWER DENSITY (IRRADIANCE)	95 mW/cm ² at 20 cm
INPUT VOLTAGE	AC 110-240 V / 50-60 Hz
BEAM ANGLE	30°
TIMER CONTROL	Adjustable 1-30 min · auto shut-off
PRODUCT DIMENSIONS	929 × 377 × 60 mm
WORKING TEMPERATURE	-20°C to 40°C
LIFESPAN	100,000 hours
WARRANTY	1 year — panel & stand

Note: Specifications reflect the current Optimum-100S build. LED type and wattage figures are provisional and will be finalised on confirmation of the production specification.

• 635NM RED LIGHT THERAPY

Treatment *Benefits*

- Wound healing
- Anti-inflammatory effects
- Pain relief
- Improved blood circulation
- Collagen production
- Skin rejuvenation
- Fat loss & body contouring
- Muscle recovery
- Hair growth
- Enhanced cellular energy (ATP)
- Immune system support
- Reduced scarring
- Improved metabolic function

FACIAL TREATMENTS

Well absorbed for skin health

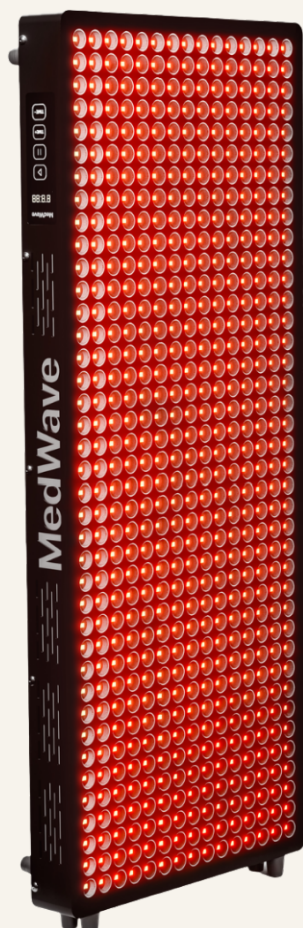
Red light is well absorbed into the skin, supporting collagen production and optimal skin health for facial treatments.

Use at own risk. Always consult your doctor.



• GETTING THE BEST RESULTS

Usage *Guidelines*



01 Distance

Position the panel 10–20 cm from the treatment area (20–30 cm for the face) — never closer than 10 cm.

02 Session time

Typical dosing: about 10 minutes per area at 10–20 cm for pain, 20 minutes at 20 cm for body contouring, and 5–10 minutes at 20 cm for wounds and face. Dose to heat tolerance.

03 Frequency

Treatments should not exceed twice weekly. Patients should consult their doctor before use.

04 Maintenance

1–2 treatments per week are typically sufficient to maintain centimetre-loss and facial results.

• SAFETY & EYE CARE

Tips

This panel is for indoor use only — do not use it in a wet environment, and do not place it near any heat source.

Can this hurt my eyes?

The wavelength of the visible red light from this device is not harmful; however, the clinical-grade panels operate at a high intensity (irradiance) that is not recommended for ocular use.

EYE PROTECTION IS MANDATORY

We advise safety goggles when treating the face or if you have sensitive eyes — closing your eyes is not enough when treating the face, and is not recommended.

Use at own risk. Always consult your doctor.

Contra-Indications & Advisory

Always consult your doctor regarding any of the conditions listed below.

ADVISORY

Eyewear

Protective eyewear is recommended during red light therapy, particularly when the device is used near the eyes. Clinical-grade panels operate at a high intensity (irradiance) not recommended for ocular use. Eye protection is mandatory during facial treatments or direct exposure.

CONTRAINDICATIONS

Flu, flare-ups or fevers

Avoid use during any flu or autoimmune flare-up — wait 7 days after a flu or flare-up before treating.

Malignant tumours

Avoid use over active tumours. If cancer is present or suspected, ensure the area is covered with a white towel.

Pregnancy

Consult your physician before use; while not a strict contraindication, the abdomen should be shielded with a white towel.

Photosensitivity

Certain medical conditions and pharmaceuticals increase light sensitivity. Professional clearance is required before starting treatment.

Contra-Indications & Advisory

CONTRAINDICATIONS (CONTINUED)

Topical skincare

Verify ingredients in skin products for potential light reactions; consult your provider if any uncertainty exists.

Thyroid function

Seek medical advice prior to use, especially when treating the neck or throat region.

Tattoos

Light may interact with specific ink pigments. Monitor the treatment area and discuss concerns with your doctor.

Haemorrhage & bleeding

Usage is discouraged in cases of active bleeding or established bleeding disorders such as haemophilia.

Epilepsy

Only for use under professional medical supervision and with extreme caution.

• PLEASE READ CAREFULLY

Disclaimer

Not medical advice

Nothing in this document should be construed as medical advice.

Consult your doctor

If you have any pre-existing medical condition, please ensure that you consult your doctor before using the red light therapy panel and vibration equipment.

Treating patients

If you are treating patients, ensure they have completed the relevant forms and your practice indemnifications to protect yourself.

Indemnity

In using this equipment you automatically indemnify MedWave™ Group LLC and its partners, subsidiaries and sub-contractors from any and all liability, fees or fines incurred.



Precautions

Joint replacement

TKR, THR, total ankle or shoulder replacement — permitted 2–3 months post-op with uncomplicated healing; clear with the surgeon first.

Fracture

Permitted 2–3 months post-injury with uncomplicated healing; clear with the MD / surgeon first.

Kidney / bladder / gallstones

Clear with the MD before use.

Vertigo

Clear with the MD before use.

Disclaimer: Nothing in this document should be construed as medical advice. Consult your doctor before using the red light therapy panel and vibration equipment. If treating patients, ensure they have completed the relevant forms and indemnifications to protect yourself.

A photograph of three women of different ages walking and laughing on a beach at sunset. The woman on the left is a young Black woman with her hair in a high ponytail, wearing a white sports bra and leggings with a white shirt tied around her waist. The woman in the middle is a middle-aged white woman with blonde hair, wearing a white tank top and leggings with a white shirt tied around her waist. The woman on the right is an older white woman with short grey hair, wearing a white long-sleeved shirt and light-colored pants. They are all smiling and looking towards the right. The background shows a beach, the ocean, and hills in the distance under a warm, golden sunset sky.

MedWave™

More Life.

“We exist to see a world where everyone is healthy.”

WWW.MEDWAVEGROUP.COM

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