

Red Light Therapy Panel

Mad Light Series - ML507

This high-power red light therapy body panel combines five wavelengths, 630, 660, 810, 830, and 850 nm, to support collagen production, muscle recovery, joint comfort, and overall cellular function.

Key Data at a Glance

Power Consumption	LED Quantity
704W	507 pcs
Wavelengths	Irradiance at 6 inches
5 Wavelengths	250mW/cm²
Timer	Remote Control
5/10/15/20/25/30Min	Yes



ML507

Use Note

Start with shorter sessions and increase gradually based on individual tolerance. Avoid looking directly into the LEDs. Use eye protection for comfort, especially during face or upper-body sessions.

Product Specifications

Mad Light Series - ML507 / Red Light Therapy Panel

Model ML507	Color Black & White	LED quantity (pcs) 507	Warranty (years) 2
Power consumption (W) 704	Output power (W) 700	Wavelength (nm) 630/660/810/830/850	Product size (cm) 90.6*30.1*6
Pulse No	Timer (min) 30	Dimmer No	N.W (kg) 10
Mode 1. Red+NIR 2. Red 3. NIR	Synchronous working YES	Input voltage (V) 90-240	Remote Yes
Current max. (A) 3	EMF emission 0	Flicker No	Bluetooth & APP No
Material Steel	Cooling fans quantity (pcs) 4	LED Lifespan (hours) 100000	Sound(dB) @15cm 45
Temperature (C) -25 to +65	Working Humidity (%RH) 15 to 90	Accessories Standard + Hanging Kit	IP level IP21
Irradiance at 3"/6"/9"/12"/18"(mW/cm²) 300/250/220/210/210		Energy at 3"/6"/9"/12"/15"/18"(J/cm² *1min) 18J/cm²,15J/cm²,13.2J/cm²,12.6J/cm²	



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Panel Configuration

The ML507 supports Red+NIR, Red, and NIR modes, synchronous working, and remote control operation. Its full-body format is suitable for broad coverage across the back, legs, shoulders, and other targeted treatment areas.

Package Contents

Standard accessories supplied with the ML507 panel.



Power Cable *1



Mounting Hardware *1



Lifting Rope *1



Goggles *1



Controller *1



User Manual *1



Door Hanging Kit *1

Additional Treatment Tips

● Session Duration & Frequency

For deep tissue treatment, use 15-30 minute sessions per area at approximately 15-30 cm from the device, with a max of two to three treatment areas per day. For skin or superficial therapy, a closer distance of around 5-15 cm with 5-10 minutes per session is usually suitable.

● Eye Protection

Avoid looking directly into the LEDs, as the light can be uncomfortable. Goggles are included in each package for comfort and added protection, especially when treating areas near the face.

● Clothing

Make sure the treatment area is fully exposed to the light and not covered by fabric or clothing. Areas that are not being treated may be covered if preferred.

● Effects

It is common to feel gentle warmth during and after a session. With consistent use, users may notice support for relaxation, reduced stiffness, and improved comfort. If discomfort or excessive sensitivity occurs, reduce exposure time or increase distance from the light.

Frequently Asked Questions

Quick answers for customer use, installation, and basic safety review.

- **1. Can I spend less time at the gym and see better results with red light therapy?**
Red light therapy does not replace exercise. It may support recovery, reduce exercise-related fatigue, and improve muscle readiness, helping users train more efficiently when combined with consistent workouts and rest.
- **2. Should I use red light therapy before or after a workout?**
Before workouts, it may support energy and performance preparation. After workouts, it may support recovery, soreness, and muscle repair. Most users choose post-workout sessions for practical recovery support.
- **3. What happens to my muscles under red light?**
Red and near-infrared light may support mitochondrial activity in muscle cells, helping ATP production, oxygen use, and recovery. This can help muscles perform and repair more efficiently.
- **4. Can red light therapy prevent second-day muscle soreness?**
It may help reduce delayed muscle soreness by supporting cellular energy, circulation, inflammation balance, and recovery. It should not be described as a guaranteed way to prevent soreness.
- **5. Does red light therapy help muscle growth, or only repair?**
Red light therapy may support repair and recovery, which can help users train more consistently. It does not build muscle alone; strength training, nutrition, and rest remain essential.
- **6. How close should I stand to the panel for deep muscle work?**
For deep muscle support, a common distance is around 6-12 inches from the panel. The best distance depends on device output, wavelength design, target area, and session time.
- **7. Should I treat one muscle or use red light therapy for the whole body?**
Targeted treatment works well for specific areas like knees, shoulders, back, or legs. Whole-body treatment is better for broader recovery needs after training or general wellness routines.
- **8. Which certifications do your devices carry, and can you support FDA or ISO requirements?**
We support CE, FCC, and RoHS for standard products. For regulated medical projects, we can provide technical documentation and engineering support for FDA 510(k) and ISO 13485-related requirements.
- **9. How do you ensure consistent quality across production batches?**
We use incoming component checks, in-process testing, 100% functional testing, optical/electrical/thermal validation, and batch quality reports. Component traceability also supports audits and issue analysis.
- **10. Can you fully white-label the product under our brand with custom packaging?**
Yes. We can support logo placement, custom colors, packaging, branded manuals, and documentation. Products can ship under your brand, with no MedLight branding on the product or packaging.

Reference Note

This document is provided for product reference and customer download. It is not a medical document and should not replace professional medical advice.

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