

Quantum Devices, Inc.

"Improving the Quality of Life through the Power in Light"

Quantum WARP 10



WARP-10 LED device delivers high intensity therapeutic photon energy.

The innovative WARP 10 is brought to you by Quantum Devices, Inc. (QDI) the company that invented the high intensity, solid state, lighting systems, for NASA, that have become the gold standards for photobiomodulation research, photo dynamic cancer therapy and agriculture research. The WARP 10 is a high intensity, portable LED unit intended for the treatment of chronic pain by emitting energy in the near-IR spectrum for the temporary relief of minor muscle and joint pain. This includes arthritis and muscle spasms, relieving stiffness, promoting relaxation of muscle tissue, and to temporarily increase local blood circulation where applied.



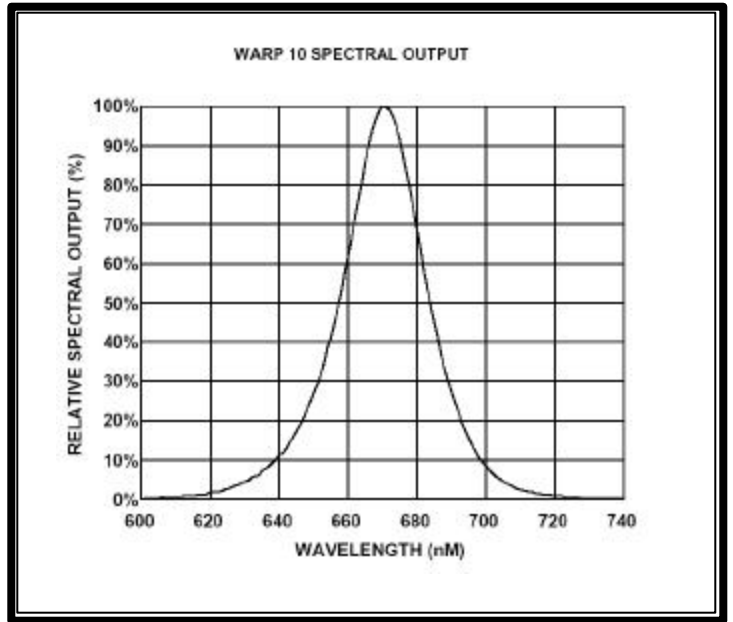
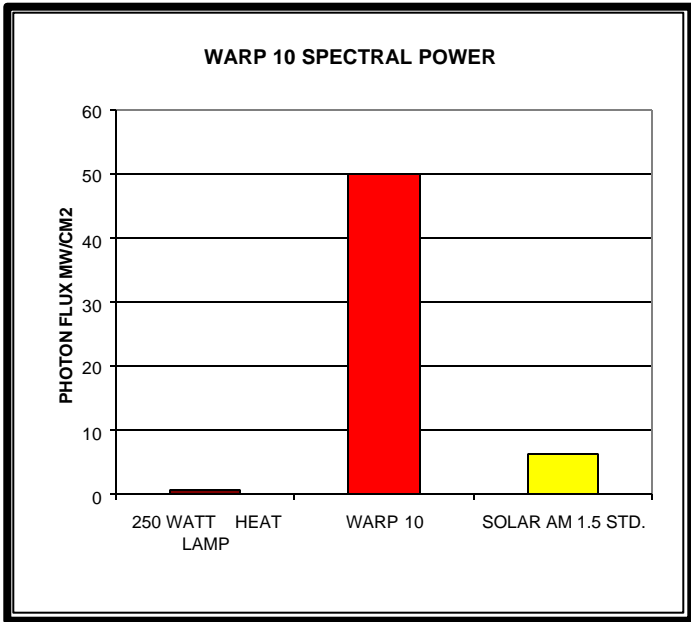
Quantum WARP 10 Features:

- High intensity 50 mW/cm² illuminated surface
- Produces 4 Joules/cm² dose in 80 seconds
- Large 10 cm² treatment area
- Dose accuracy controlled by electronic timing circuit
- Easy to operate with one hand
- Battery Life: 50 doses with eight (8), AA Alkaline batteries
- Designed to use AA Alkaline disposable or AA NiMH rechargeable batteries
- Low battery indicator to ensure full dose delivery
- Certified wavelength and power output

Light Source of Choice:

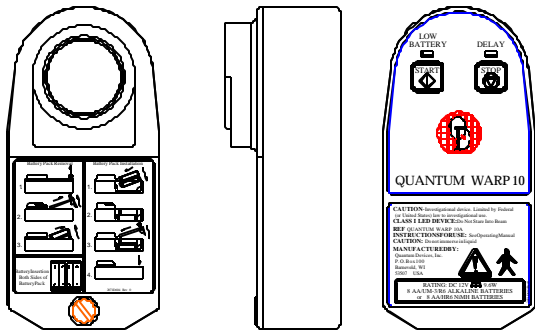
Originally developed under a contract for the Defense Advanced Research Projects Agency (DARPA), by QDI the pioneers of the NASA LED technology, the WARP 10 is designed to assist armed forces personnel on the front lines with immediate first aid and care for minor injuries and pain, thereby improving endurance in combat.

The Quantum WARP 10 light delivery system is used for applying therapy for the mitigation of chronic pain, by emitting near infrared light via an electric light emitting diode energy source. System controls are conveniently located on the top panel for easy light dose delivery. This device is solid state and hand held for placement directly on the skin where treatment is to occur. Recommended treatment is one or more timed light delivery cycles to the treatment area per day.



The hand held WARP 10 produces 50 mW/cm² of photon flux (power) in the near IR portion of the electromagnetic spectrum (650-950nm), which is defined as the wellness spectrum. The figure above illustrates that the WARP 10 will produce 80 times more photon energy than a 250 Watt heat lamp or 6.4 times more photon energy than the Solar, Air Mass 1.5 standard, as compared to the same spectral bandwidth of the WARP 10. This power advantage reduces the time required for each therapeutic dose and provides for faster multi-dose exposures where required, without the harmful affects of Ultra-Violet solar radiation.

Package Dimensions



Power Requirements

DC Battery Power:

Battery Type:

Standard 1.5V Alkaline – Size AA (type AA, LR6, 15A)

NiMH – Size AA (type AA)

Number of Batteries: 8 each

Environmental Specifications:

Operating Temp: 10-40°C (50 - 104°F)

Storage Temp: -30 - 55°C (-22 - 131°F)

Relative Humidity: 10 – 95% (Storage) Non-condensing

Outside Dimensions:

5.55 in. (141mm) x 2.65 in. (67mm) x 2.0 in. (51mm)

Weight:

Weight: 1.2 pounds (547 grams) with Batteries

To order your WARP 10 today contact...

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