

Product Description:

- LightMachine™ for professional phototherapy
- Dual output drive for any Gen. 1 passive LightPads™
- Color LCD graphical interface, touch screen
- Internal power supply, 110/220VAC input

Product Features

- Dual independent outputs supports two treatments
- Variable frequency operation for maximum control
- Drives dual wavelength LED array (red/NIR, blue/NIR) LightPads™
- Extensive menu of Standard Treatment recipes
- Customized branding with Licensee’s logo

Applications

- Phototherapy (low-level light therapy)
- Epithelial (red, blue) or deep tissue (NIR) treatments



ABLM1002 Professional LightMachine™

Description

The ABLM1002 LightMachine™ is a professional-grade LED phototherapy driver/controller comprising an intelligent LED driver, power supply and graphical user interface merged into a single compact table top device.

Designed for driving passive (Gen. 1) dual-wavelength single-density LightPads (e.g. ABLP103 or ABLP104 type LightPads), the unit features two independently controllable outputs, each able to deliver sufficient power to drive three LightPads. Control of the LightPads is performed algorithmically according to a user selected program, or “Treatment”, specifically designed to excite infrared and red LEDs within each set of LightPads in a prescribed manner comprising a predefined sequence of pulses varying in frequency and duration. Each output may independently run different Treatment programs, affording physicians and clinicians the opportunity to treat different tissue or organs concurrently and minimize a patient’s time required for therapy sessions. Treatments are selected on the unit’s color LCD touchscreen from a list of preinstalled programmed therapies named in accordance with suggested applications, e.g. “relaxation”, “skin rejuvenation”, etc. While the unit is not specifically designed for mobility, a handle mounted on the front of the unit, along with a relatively light weight, affords sufficient portability to enable physicians the opportunity to make “house calls” should the need arise.

Technical Specification

<p><u>Product Description</u> Part #: ABLM1002 Prof. Phototherapy LightMachine™</p> <p><u>Electrical Description</u> Power input: 110-220VAC, 100W max, switched, fused Output voltage: 40V regulated Output current: 0.5A per channel Operating frequency: 1Hz to 20kHz Electrical Certifications: pending CE</p> <p><u>Menu Control</u> User selectable list, Standard Treatments (included)</p>	<p><u>Physical Description</u> Dimension: 50cm x 25cm x 15cm, Weight: 1.5kg LCD screen: 4.3” color, touchscreen LightPad connector: RJ45 (Gen. 1) Min-max operating temperature range: 0°C to 40°C Recommended operating temperature: 18°C to 25°C Operating relative humidity: 10 to 90%, non-condensing Operating pressure: 1060hPa to 700hPa (3km altitude) Storage temperature: 0°C to 40°C, humidity 0% to 95% Storage pressure: 1060hPa to 190hPa (12km altitude)</p>
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