

Product Description:

- 1 neck collar SD LED LightPad™ (ABLP205)
- SD (standard density), passive LED array, current cntrl
- Compatible with any Gen. 1 LightMachine™
- 1 set of convertor and 2.5 meter USB type connector

Product Features

- Versatile dual wavelength LED array (red, NIR)
- Low power, cool operation, superior light uniformity
- 3D-flexible aseptic biologically inert silicone pad
- Adjustable length for a comfortable fit

Applications

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



ABLP205 Passive SD 3D-Flexible LightPad™

Description

The ABLP205 comprises a single neck-collar LightPad™ designed to safely, flexibly, comfortably, and consistently delivering phototherapy using near infrared (NIR) and red light for a wide variety of treatments to the neck, shoulders, and other tissues. The collar shaped pad affords easy adjustment up to a length of 16” (41cm) to comfortably yet snugly fit the neck (or other body parts) while maintaining a stable position during treatments of extended duration. For added versatility, an adjustable silicone strap (ABLA06, *included*) is available to further extend the LightPad’s reach. Unlike hard or inflexible pads, the 3D-flexible polymeric LightPad bend to match body contours, enabling a more consistent and deeper penetrating source of illumination than rigid alternatives. In operation, the LightPad is connected directly to the LightMachine, not in a “daisy chain” with other LightPads. The polymeric pad comprises biologically-inert aseptic material. Prior to treatment, a plastic cover sheet placed atop the LightPad, along with swabbing the LightPad with alcohol, is recommended to minimize any risk of accidental contact with skin-born microbes. Using LEDs, uniform illumination of a large treatment area is made possible without the need for “scanning” a high power (and potentially dangerous) laser beam. Instead, an array of current controlled LEDs distributed uniformly across the LightPad’s surface consistently delivers photons to adjacent tissue while safely operating at low power levels, low currents, and without significant heating. The LightPad’s dual wavelength LEDs comprising red and near infrared (NIR) support a wide range of therapies including epithelial and deep tissue treatments.

Technical Specification

<p><u>Product Description</u> Part #: ABLP205 Neck Collar Phototherapy LightPad™</p> <p><u>Electrical Description</u> LightPad total current: 600mA max LightPad voltage: 40V max, DC LED electrical configuration: series-parallel array LED wavelengths: dual type α (red), δ (NIR) LED string current: 20mA typ., 30mA max, controlled LightPad electrical power: 24W max Optical power: less than 200mW/cm²</p>	<p><u>Physical Description</u> Dimension: 48 cm x 7.1 cm x 2 cm Weight 0.25 kg Active LED Area: 35.7 cm x 5.2 cm, 185.64 cm² LED layout: 50% each, alternating, single-density (SD) LightMachine connector: RJ45 / USB convertor Min-max operating temperature range: 0°C to 40°C Recommended operating temperature: 18°C to 25°C Storage/Transportation temperature: 5°C to 60°C Electrical Certifications: CE, FCC</p>
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