

**Product Description:**

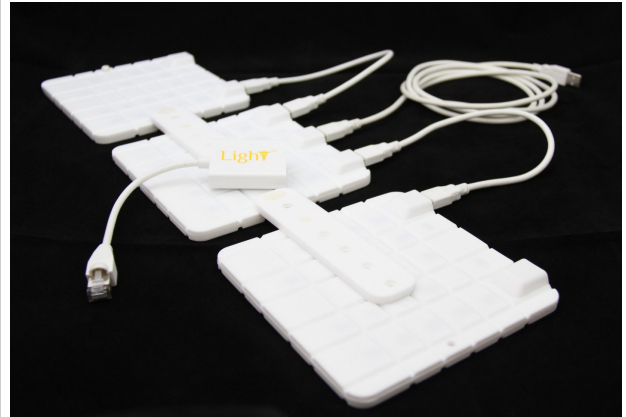
- Set of 3 passive SD LED LightPads™ (ABLP203)
- SD (standard density), passive LED array, current cntrl
- Compatible with any Gen. 1 LightMachine™
- 1 set of convertor and 2.5 meter USB type connector
- 2 sets of USB connectors, adjustable silicone straps

**Product Features**

- Versatile dual wavelength LED array (red, NIR)
- Low power, cool operation, superior light uniformity
- 3D-flexible aseptic biologically inert silicone pads
- Daisy chainable from 1 to 3 LightPads™

**Applications**

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



**ABLP203 Passive SD 3D-Flexible LightPad™**

**Description**

The ABLP103 comprises a set of 3 passive LightPads™ designed to safely, flexibly, comfortably, and consistently delivering phototherapy using near infrared (NIR) and red light for a wide variety of treatments and tissues. The reconfigurable pads, held in place by adjustable silicone straps (ABLA05, *included*), afford easy adjustment to conform to various parts of the body (including arms, legs, neck, head, hands, elbows, knees, ankles, chest, back, etc.) while comfortably maintaining a stable position during treatments of extended duration. Unlike hard or inflexible pads, the 3D-flexible polymeric LightPads bend to match body contours, enabling a more consistent and deeper penetrating source of illumination than rigid alternatives. Treatments may comprise one to three LightPads connected electrically in a “daisy chain” to minimize the tangling of connector cables. The polymeric pads comprise biologically-inert aseptic material. Prior to treatment, a plastic cover sheet placed atop the LightPads, 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. Each 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**

Product Description

Part #: ABLP203 Phototherapy LightPads™, set of 3

Electrical Description

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/cm<sup>2</sup>

Physical Description

Dimension (main pad): 14cm x 17cm x 1.5cm, Weight 0.2kg  
 Dimension (side pad): 14cm x 14cm x 1.5cm, Weight 0.2kg  
 Active LED Area: 10.3cm x 10.3cm, 104cm<sup>2</sup>  
 LED layout: 50% each, alternating, single-density (SD)  
 Intra-pad connectors: USB type, 17cm / 30cm length  
 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