Discover the True Science of LED Phototherapy

830/590, 633, 415 nm LED Phototherapy System

HEALITE II™
series
Discover the True Science of LED Phototherapy

Low-Level Light Therapy (LLLT) with HEALITE II is the therapeutic use of incident light to photomodulate cellular function, improving healing times, relieving pain, subsiding active acne, promoting skin rejuvenation and more. HEALITE II harnesses the properties of 830/590, 633 and 415 nm light via Light Emitting Diode (LED) technology, properly delivered and concentrated, treating effectively without possibility of physical trauma or thermal damage. LLLT with HEALITE II can be used as a standalone therapy or as an adjunctive therapy with many other treatments.

**LLLT ENGINEERING**

Optical Lens Array Technology (OLAT) uses collimation optics to more effectively harness and deliver the healing energy of 1800 new generation LEDs. This concentrates the therapeutic photon intensities in the cells and organelles of the target tissue, thus maximising the therapeutic outcome. OLAT improves the efficiency and enhances the efficacy of LED phototherapy.

**Why LLLT using LEDs?**

- Ideal wavelength
- Powerful enough to penetrate deep to where it is needed
- Works at subcellular, cellular and tissue level
- Works standalone or as an adjunctive therapy
- Treats multiple indications
- Pain-free, non-invasive, treatment of patients of all ages

**Why HEALITE II?**

- Photo-Sequencing Technology (PST)
- Optical Lens Array Technology (OLAT)
- A total of 1800 durable, high quality LEDs
- Fully adjustable head, panels and arm
- Ergonomic design
- User-friendly touch-screen
- Stable and easy to manoeuvre

**PROVIDE THE RESULTS YOUR PATIENTS WANT**

**Photo-Sequencing Technology (PST)**

Pre-emptive micro-low level light therapy (µ-LLLT) with 590 nm is preceded for 60 seconds ahead of continuous delivery of 830 nm in order to pre-condition the epidermis and enhance dermal tissue interaction by 830 nm.

**Proprietary OLAT technology provides deeper, more intensive treatments.**

"HEALITE II is a useful adjunct to almost any aesthetic treatment. It is so important now that I couldn’t imagine practicing aesthetic medicine without it."

Won-Serk Kim, M.D., Ph.D., Dermatologist, Seoul, Korea
Discover the True Science of LED Phototherapy

PROVIDE THE RESULTS YOUR PATIENTS WANT

• Wound Healing
• Pain Relief
• Muscle and Joint Pain
• Arthritis
• Muscle Spasm
• Temporary Increase of Blood Circulation
• Hair Regrowth
• Active Acne
• Skin Rejuvenation

Indication / Treatments – with other adjunctive applications

• Accelerates wound healing post-laser or post-surgery
• Reduces pain, bruising, edema and erythema
• Offers prophylaxis against scar formation
• Reduces the risk of PIH
• Improves clinical results

Indications / Treatments – without other adjunctive applications

830 nm with 590 nm photosequencing

- Wound Healing
- Non-melanoma Skin Cancer (Exogenous PDT with 5-ALA)
- Active Acne (Endogenous PDT)
- Pain Relief
- Muscle and Joint Pain
- Arthritis
- Muscle Spasm
- Temporary Increase of Blood Circulation
- Hair Regrowth
- Skin Rejuvenation
- Skin Rejuvenation
- Hair Regrowth
- Active Acne

Healing Time Comparison

<table>
<thead>
<tr>
<th>Tx / Indication</th>
<th>Without HEALITE II</th>
<th>With HEALITE II</th>
</tr>
</thead>
<tbody>
<tr>
<td>After Facelift</td>
<td>Up to 13 weeks</td>
<td>Up to 6 weeks (53% reduction)</td>
</tr>
<tr>
<td>Bruising</td>
<td>1 week</td>
<td>1 – 2 days (78% reduction)</td>
</tr>
<tr>
<td>Erythema</td>
<td>15 - 16 weeks</td>
<td>2 weeks (87% reduction)</td>
</tr>
<tr>
<td>Edema</td>
<td>5 - 7 days</td>
<td>2 – 3 days (58% reduction)</td>
</tr>
</tbody>
</table>

These slides show the changes in dermatitis associated inflammatory cells following 830 nm LED irradiation in a rat model: A marked reduction in inflammatory infiltration can be seen.¹

WORLD WIDE CLINICAL STUDIES

“Is light-emitting diode phototherapy (LED-LLLT) really effective?” 1

“The systemic effect of 830 nm LED phototherapy on the wound healing of burn injuries: A controlled study in mouse and rat models.” 2

“HEALITE II with photosequencing technology.” 3

More studies are in process to explore various applications in the aesthetic, medical and surgical fields.


HEALITE II

<table>
<thead>
<tr>
<th>Wavelengths (nm)</th>
<th>830 (w/ 590)</th>
<th>633</th>
</tr>
</thead>
<tbody>
<tr>
<td>Intensity (mW/cm²) - Planar</td>
<td>40 - 100</td>
<td>30 - 65</td>
</tr>
<tr>
<td>Intensity (mW/cm²) - Focused</td>
<td>60 - 150</td>
<td>45 - 105</td>
</tr>
</tbody>
</table>

HEALITE II COMBO

<table>
<thead>
<tr>
<th>Wavelengths (nm)</th>
<th>830 (w/ 590) + 633</th>
<th>633 + 415</th>
<th>415 + 830 (w/ 590)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Intensity (mW/cm²) - Focused</td>
<td>830 (w/ 590): 60 - 150 633 : 35 - 80</td>
<td>633: 35 - 80 415: 15 - 50</td>
<td>415: 15 - 50 830 (w/ 590): 60 - 150</td>
</tr>
</tbody>
</table>

SYSTEM SPECIFICATIONS*

<table>
<thead>
<tr>
<th>Light Source</th>
<th>LEDs (Light Emitting Diodes)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Class</td>
<td>CLASS I/B type</td>
</tr>
<tr>
<td>Electrical Rating</td>
<td>AC 110-120 V or AC 220-230 V, 50/60 Hz, FUSE 250 V/6.3 A</td>
</tr>
<tr>
<td>Power Consumption</td>
<td>600 VA</td>
</tr>
<tr>
<td>User Interface</td>
<td>3.2” Touch LCD Module</td>
</tr>
<tr>
<td>Cooling System</td>
<td>Cold Air</td>
</tr>
</tbody>
</table>
| Dimensions   | Body (mm): 556 (W) x 671 (L) x 1562 (H)  
Head (mm): 510 (W) x 300 (L) x 110 (H)  |
|              | Body (in): 21.9 (W) x 26.4 (L) x 61.5 (H)  
Head (in): 20.1 (W) x 11.8 (L) x 4.3 (H)  |
| Weight       | 27 kg, 59.5 lbs             |

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