## WORLD WIDE CLINICAL STUDIES

**Is light-emitting diode phototherapy (LED-LLLT) really effective?**

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

"HEALITE II with photosequencing technology" More studies are in process to explore various applications in the aesthetic, medical and surgical fields.


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### HEALITE II

<table>
<thead>
<tr>
<th>Wavelengths (nm)</th>
<th>Intensity (mW/cm²) - Planar</th>
<th>Intensity (mW/cm²) - Focused</th>
</tr>
</thead>
<tbody>
<tr>
<td>830 (w/ 590)</td>
<td>40 - 100</td>
<td>60 - 150</td>
</tr>
<tr>
<td>633</td>
<td>20 - 60</td>
<td>45 - 105</td>
</tr>
<tr>
<td>415</td>
<td>10 - 30</td>
<td>15 - 50</td>
</tr>
</tbody>
</table>

### HEALITE II Combo

<table>
<thead>
<tr>
<th>Wavelengths (nm)</th>
<th>Intensity (mW/cm²) - Planar</th>
<th>Intensity (mW/cm²) - Focused</th>
</tr>
</thead>
<tbody>
<tr>
<td>830 (w/ 590)</td>
<td>35 - 80</td>
<td>45 - 105</td>
</tr>
<tr>
<td>633</td>
<td>20 - 60</td>
<td>15 - 50</td>
</tr>
<tr>
<td>415</td>
<td>10 - 30</td>
<td></td>
</tr>
</tbody>
</table>

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### 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&quot; Touch LCD Module</td>
</tr>
<tr>
<td>Cooling System</td>
<td>Cold Air</td>
</tr>
<tr>
<td>Dimensions</td>
<td>Body (mm): 556 (W) x 671 (L) x 1562 (H)</td>
</tr>
<tr>
<td></td>
<td>Head (mm): 510 (W) x 300 (L) x 110 (H)</td>
</tr>
<tr>
<td></td>
<td>Body (in): 21.9 (W) x 26.4 (L) x 61.5 (H)</td>
</tr>
<tr>
<td></td>
<td>Head (in): 20.1 (W) x 11.8 (L) x 4.3 (H)</td>
</tr>
</tbody>
</table>

Weight: 27 kg, 59.5 lbs

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HEALITE II™ series 830, 633, 415 nm LED Phototherapy System

DISCOVER THE TRUE SCIENCE OF LED PHOTOTHERAPY
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 others. 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.

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

**Why HEALITE II?**
- Photo-Sequencing Technology (PST)
- Optical Lens Array Technology (OLAT)
- A total of 1800 durable, hi-quality LED's
- Fully adjustable head, panels and arm
- ERgonomic design
- User-friendly touch-screen
- Stable and easy to maneuver

**Indications / Treatments – without other adjunctive applications**
- 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 PIH
- Improves the clinical results

**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 epidermis and enhance dermal tissue interaction by 830 nm.

Proprietary OLAT technology provides deeper more intensive treatments.

**Adjustable head for large coverage or focused intensity; Flexible arm can fit any parts of treatment area.**

**Before**

**After**

**Indication / Treatments – without other adjunctive applications**

**Indication / Treatments – with other adjunctive applications**

**PROVIDE THE RESULTS YOUR PATIENTS WANT**

"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

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**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 3 weeks</td>
<td>Up to 6 weeks (53% reduction)</td>
</tr>
<tr>
<td>Bruising</td>
<td>1 week</td>
<td>1 – 2 days (18% reduction)</td>
</tr>
<tr>
<td>Erythema</td>
<td>15 - 16 weeks</td>
<td>2 weeks (32% reduction)</td>
</tr>
<tr>
<td>Edema</td>
<td>5 days to 1 week</td>
<td>2 – 3 days (38% reduction)</td>
</tr>
</tbody>
</table>

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1. Is light-emitting diode phototherapy (LED-LLLT) really effective?  
WS Kim, RG Calderhead, Laser Therapy 2011; 20.3:205-215