New patented technology with the familiarity of halogen and the performance benefits of LEDs.

Welch Allyn LED Lamps
for Physical Assessment Instruments
Designed with clinical applications in mind.

While LED technology has been on the market for mainstream use for years, our engineers have worked to optimize its benefits and focus specifically on choosing patented circuitry and color rendering for specific clinical applications. And, these LED lamps use less energy, resulting in lower contact temperature, allowing greater comfort for you and your patients, and three times the on-time of your traditional rechargeable handle.

Welch Allyn LED lamps offer:

**SureColor™ LED technology** enabling reduction of light intensity to alleviate glare or enhance patient comfort while preserving the color and clarity of the view.

**High energy efficiency** resulting in 3X the examination time with each charge cycle of a Welch Allyn rechargeable handle.

**A simple solution** consisting of four lamp upgrade kits which are compatible with our most popular physical assessment instruments and can be installed in seconds with a simple exchange of the halogen lamp.

### LED Color Temperature Spectrum

- **Welch Allyn Ophthalmoscope—LED** 3500 °K
- **Welch Allyn Ophthalmoscope—Halogen** 3200 °K – 2800 °K
- **Welch Allyn Otoscope—Halogen** 3200 °K – 2800 °K
- **Welch Allyn Otoscope—LED** 3750 °K
- **Leading Competitor’s Otoscope—LED** 5500 °K

### Dimming Cycle

- **LED**
  - Consistent color output through dimming cycle
  - @100%
  - @25%
- **Halogen**

### 30X Longer Life

- Tested to 30X halogen lamps
- Guaranteed 7 years

### Energy Efficient

- 3X the on-time vs. halogen with Welch Allyn 3.5 V rechargeable handles
- Lower operating temperature intended for greater patient/clinician comfort
A Simple, Flexible Solution

Four lamp upgrade kits cover a broad range of physical assessment instruments you use every day.

Lamp bases are date-stamped for easy warranty verification. Kits include a lamp removal tool for easier replacement.

<table>
<thead>
<tr>
<th>LED Lamp Part #</th>
<th>Device Part #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>03100-LED</td>
<td>20000</td>
<td>Traditional Diagnostic Otoscopes Otoscope/Throat Illuminator</td>
</tr>
<tr>
<td></td>
<td>20200</td>
<td>Pneumatic Otoscope</td>
</tr>
<tr>
<td></td>
<td>21700</td>
<td>Operating Otoscope</td>
</tr>
<tr>
<td></td>
<td>25020</td>
<td>Diagnostic Otoscope (w/ Specula)</td>
</tr>
<tr>
<td>06500-LED</td>
<td>23810</td>
<td>MacroView™ Diagnostic Otoscope</td>
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<tr>
<td></td>
<td>23820</td>
<td>MacroView™ Otoscope/Throat Illuminator</td>
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<tr>
<td></td>
<td>23920</td>
<td>Digital MacroView Otoscope</td>
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<tr>
<td>04900-LED</td>
<td>11720</td>
<td>Traditional Ophthalmoscopes 3.5 V Coaxial Ophthalmoscope</td>
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<td>11730</td>
<td>AutoStep® Coaxial Ophthalmoscope</td>
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<td>11735</td>
<td>Prestige™ Coaxial-Plus Ophthalmoscope</td>
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<tr>
<td>03800-LED</td>
<td>11810</td>
<td>PanOptic™ Ophthalmoscope</td>
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<td></td>
<td>11820</td>
<td>PanOptic™ Ophthalmoscope/Blue Filter/Lens</td>
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</tbody>
</table>

Warranty
7 years

Patents
US pat 7,276,025
US pat 7,458,934
Patents Pending

Standards
UL60601-1, CAN / CSA C22.2 No. 601.1
IEC/EN 60601-1
IEC 62471/CIES009
ISO 15004-2

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