Prior Scientific is proud to announce the newest addition to the Lumen series of fluorescence illumination systems - the Lumen 200S with high speed shutter. With a minimum exposure time of 30 milliseconds, the Lumen 200S is suitable for the most demanding imaging applications. A wide variety of control options are available for the Lumen 200S including RS232, USB, TTL and via the ProScan™ III. Lumen 220S models offers extended transmission in UV and IR compared to the standard Lumen 200S model. As with the original Lumen 200, the Lumen 200S/220S features:

• Remote mounting with two or three meter light guide.
• 2,000 hour life, 200 Watt metal arc lamp
• Stabilized DC power supply for consistent illumination.
• Quiet operation suitable for laboratory use.
• Easy to view display screen for bulb life indication and unit status.
• Adapters available for all modern research microscopes.
• Six position adjustable aperture/intensity knob to protect samples from photobleaching.
• Easy bulb replacement

### General Specifications

- Remote mounting with two or three meter light guide
- 2,000 hour life, 200 Watt metal arc lamp
- Stabilized DC power supply for consistent illumination
- Quiet operation suitable for laboratory use
- Easy to view display screen for bulb life indication and alarm description
- Six position adjustable aperture/intensity knob to protect samples from photobleaching

### Lumen 200S/220S Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage</td>
<td>100-240VAC</td>
</tr>
<tr>
<td>Current</td>
<td>2 Amps</td>
</tr>
<tr>
<td>Frequency</td>
<td>50-60 Hz</td>
</tr>
<tr>
<td>Ambient Operating Temperature</td>
<td>5-30 C</td>
</tr>
<tr>
<td>Weight</td>
<td>11 pounds (5kg)</td>
</tr>
</tbody>
</table>
Lumen 200S/220S
Fluorescence Illumination System with Shutter Control

Dimensions

![Dimensions Diagram]

<table>
<thead>
<tr>
<th>Part #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>L200S</td>
<td>Lumen with shutter control and standard spectral output. Includes lamp and power supply.</td>
</tr>
<tr>
<td>L220S</td>
<td>Lumen with shutter control and extended spectral output. Includes lamp and power supply.</td>
</tr>
<tr>
<td>LM587</td>
<td>Two meter light guide</td>
</tr>
<tr>
<td>LMLG3MUS</td>
<td>Three meter light guide</td>
</tr>
<tr>
<td>LM200B1-A</td>
<td>Replacement bulb</td>
</tr>
</tbody>
</table>

Lumen 200S/220S Spectrum

![Spectrum Graph]

Worldwide distribution

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