LED light source
LV-200LED / LV-400 LED

High-end light source providing natural colors of video of an endoscopic camera. Characterized by a long life of LED emitter and continuous regulation of light intensity. Ready to be used with several different light guide cable connector’s types.

Features

<table>
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<tr>
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<th>200LED-10</th>
<th>400LED-10</th>
<th>400LED-20</th>
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</thead>
<tbody>
<tr>
<td>Number of lumens</td>
<td>2100</td>
<td>2800</td>
<td>2650</td>
</tr>
<tr>
<td>Light efficiency</td>
<td>100 W xenon lamp</td>
<td>180 W xenon lamp</td>
<td>180 W xenon lamp</td>
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<td>comparable to</td>
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<tr>
<td>Color temperature</td>
<td>6500°K</td>
<td>6500°K</td>
<td>5500°K</td>
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<td>Color Rendering Index</td>
<td>CRI 75</td>
<td>CRI 75</td>
<td>CRI 95</td>
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Benefits

> daylight color temperature (very high Color Rendering Index)
> excellent true colors’ projection
> clear picture having a positive impact on work comfort and decreasing tiredness during longer surgeries
> availability of various light guide cable connector’s types (STORZ, WOLF, OLYMPUS, etc.)
> smooth regulation of light intensity in the whole range of 1-100%
> ultra silent work
> economic usage due to low power consumption
> long life of LED emitter (min. 50 000 hours of work)
> memory of recent settings
> esthetic and modern design
CONSOLE (200LED-10 / 400LED-10 / 400LED-20)

LED emitter type: High Power LED / High Power LED / Daylight High Power LED
Number of lumens [lm]: 2100 / 2800 / 2650
Light efficiency comparable to: 100 W xenon lamp / 180 W xenon lamp / 180 W xenon lamp
Power consumption: 95 VA / 115 VA / 115 VA
Color temperature: 6500°K (±5%) / 6500°K (±5%) / 5500°K (±5%)
Colour Rendering Index: CRI 75 / CRI 75 / CRI 95
Standard connection/ socket for light guide cable: STORZ, other - optional and upon request
Life time of emitter: min. 50 000 hours
Supply voltage: 100-240 VAC
Power frequency: 50/60 Hz
Safety class: BF type
External dimensions: D: 306 mm x W: 330 mm x H: 96 mm
Weight: 6 kg
Intensity adjustment: manual - electronic 1-100% range with 1% step
Ambient temperature: during operation: +10°C to +40°C
during storage and transport: -20°C to +45°C
Max. relative humidity: during operation: 70%
during storage and transport: 70%
CE standard: EN60601-1; EN60601-1-2; EN60601-2-18

LIGHT GUIDE CABLES

Light Guide Cables dedicated to Vimex Endoscopy devices. Made from special fiber bundle to provide efficient transmission of light and the highest number of lumens reaching an endoscope. Fully autoclavable. Two fixed connectors making it easy to connect a light source and an endoscope.

Cable diameter: 14/1.6 mm; 2.2/2.5 mm; 3.2/3.5 mm; 4.5/4.8 mm
Length: 1.8 to 5 m