Heraeus has many years of experience in providing DC pulsed flash lamps to leading solid-state laser manufacturers. Heraeus flash lamps normally operate at high average powers with pulse duration from the millisecond regime and repetition rate up to many kilohertz. Heraeus lamps offer high efficiency, stability and long lifetimes. Typical laser applications include precision cutting and drilling, spot welding and mould repair.

Our service commitment for new lamp designs

- Design consultancy with our product experts
- Customized prototype design and quotation completed within 5 days
- Sample lamps delivered in 3 weeks after design approval

Key features of Heraeus flash lamps

- Lamp to lamp consistency
- High standards of manufacturing
- Long lifetime
- Consistent lead times
- Dedicated customer support
- Patented cathode design, Hi-Charge™ series

Technical Data

<table>
<thead>
<tr>
<th>Lamp type</th>
<th>NL7185</th>
<th>NL7020</th>
<th>NL7105</th>
<th>NL7064</th>
<th>P3591</th>
<th>NL9751A</th>
<th>NL9101</th>
<th>NL9301</th>
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<tbody>
<tr>
<td>Bore (mm)</td>
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<td>5</td>
<td>6</td>
<td>7</td>
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<td>8</td>
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<tr>
<td>Max. Average Power (watts)</td>
<td>2500</td>
<td>2100</td>
<td>4000</td>
<td>3200</td>
<td>9570</td>
<td>3800</td>
<td>9200</td>
<td>8100</td>
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<tr>
<td>Arc Length (mm)</td>
<td>76</td>
<td>102</td>
<td>96</td>
<td>100</td>
<td>170</td>
<td>102</td>
<td>136</td>
<td>152</td>
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<tr>
<td>Overall Length (mm)</td>
<td>153</td>
<td>218</td>
<td>162</td>
<td>190</td>
<td>350</td>
<td>219</td>
<td>215/356</td>
<td>273</td>
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<tr>
<td>Connector Dims (mm)</td>
<td>5.0/13.0</td>
<td>4.75/18.0</td>
<td>wires*</td>
<td>4.75/13.0</td>
<td>5/17</td>
<td>7.14/18.0</td>
<td>special</td>
<td>7.14/18.0</td>
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<td>Nominal Maximum Current (A)</td>
<td>420</td>
<td>420</td>
<td>550</td>
<td>700</td>
<td>900</td>
<td>900</td>
<td>1000</td>
<td>1200</td>
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<td>K0 (approx.)</td>
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<td>31</td>
<td>27</td>
<td>21</td>
<td>32</td>
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<td>21</td>
<td>19</td>
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<tr>
<td>Nominal Simmer Current (mA)</td>
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<td>400</td>
<td>500</td>
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<td>Kr</td>
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*maximum non-flex length

Further technical data available on request.