EmArc® SMR-100/XEAR

Short Arc Xenon

A 100 watt short-arc xenon lamp precisely aligned in a special aluminized coated reflector, designed for highly focused output for unique scientific and industrial applications.

FEATURES & BENEFITS

- Small 1mm Arc Gap for Precise Control
- 6100K CCT-crisp, White Light
- 70mm Diameter, Elliptical Reflector, High Throughput for Focused Applications
- Specialized Aluminized Reflector Coating

APPLICATIONS

- Solar Simulation
- Spectrometry
- Material Testing
- Analytical
Cable direction as seen from rear side

Lamp aligned for uniformity output through an 8 x 8mm square light guide at 52mm distance to reflector front surface.

<table>
<thead>
<tr>
<th>Watts (W)</th>
<th>Ordering Code</th>
<th>Lamp Description</th>
<th>Lamp Current (A)</th>
<th>Lamp Voltage (V)</th>
<th>Ignition Voltage</th>
<th>Arc Gap (mm)</th>
<th>Nominal Light Output* (lm)</th>
<th>Color Temp (K)</th>
<th>Average Rated Life** (h)</th>
</tr>
</thead>
<tbody>
<tr>
<td>100 (±5 watts)</td>
<td>5002320</td>
<td>SMR-100/XEAR</td>
<td>7.1</td>
<td>14V DC</td>
<td>25kV</td>
<td>1.0</td>
<td>750 (Spherical)</td>
<td>6100</td>
<td>750</td>
</tr>
<tr>
<td>100 (±5 watts)</td>
<td>5002456</td>
<td>SMR-100/XEAR2</td>
<td>7.1</td>
<td>14V DC</td>
<td>25kV</td>
<td>1.0</td>
<td>800 (Spherical)</td>
<td>6100</td>
<td>750</td>
</tr>
</tbody>
</table>

* Through a 4mm aperture at a working distance (WD) of 52mm from the front rim of the reflector

** Average rated life is based on 50% degradation from the initial nominal light output or 50% failure to operate. (All values dependent on specific system and operating conditions).

All dimensions shown in millimeters unless otherwise noted.