**KL 1500 HAL**

**A benchmark for colors and functionality**

The KL 1500 HAL is a 150 W halogen cold light source, developed and designed for industrial and life science applications in stereo microscopy and macroscopy.

Close to 100 CRI halogen spectrum for excellent performance at rendering colors.

The optical system is optimized for coupling the light of the EFR-type halogen lamp into SCHOTT KL 1500 light guides.

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### General data

<table>
<thead>
<tr>
<th>Part-No.</th>
<th>150 700</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions (W x D x H) (mm) / (inch)</td>
<td>200 x 286 x 147/7.9” x 11.3” x 5.8”</td>
</tr>
<tr>
<td>Weight (kg)</td>
<td>approx. 4.2</td>
</tr>
<tr>
<td>Cooling</td>
<td>ultra low-noise fan</td>
</tr>
</tbody>
</table>

### Electrical data

- **Operating voltage, frequency** 100 – 240 V ~, 50 – 60 Hz
- **Power consumption (VA)** 180
- **Protection class** I
- **Overvoltage category** II
- **Lamp type** Halogen reflector lamp type EFR
- **Lamp voltage rating (V)** 15
- **Lamp power rating (W)** 150
- **Average Lamp** ECO (h) 1500
- **Service life** BOOST (h) 150

### Illumination data

- **Light flux** (Ø 9.0 mm / 1000 mm P / N 155104) (Im) 600
- **Light control** Electrical
- **Active light guide diameter** (mm) / (inch) Max. 9/max. 0.35”

### Certification marks

- **Marking**
- **Approvals**
- **EMV-class** B

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**Features:**

- Internal wide range power supply (100 – 240 V, 50 – 60 Hz)
- High frequency illumination (20 kHz, digital camera proof)
- Continuous dimming from 0 to 100 %
- Swing-in optics for homogenization of light output
- High quality housing with integrated handle
- Ultra low noise fan
- Filter slider with two positions (filter can remain in the light source even if it is not used)
- Lamphousing opens to the side (allows change of bulb even if stacked)
- Easy to use fixture mechanism with clamping screw

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### Power cords

<table>
<thead>
<tr>
<th>Part-No.</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>IEC cord with European plug</td>
<td>400 051</td>
</tr>
<tr>
<td>IEC cord with US plug</td>
<td>400 052</td>
</tr>
<tr>
<td>IEC cord with UK plug</td>
<td>400 053</td>
</tr>
<tr>
<td>IEC cord with Swiss plug</td>
<td>400 054</td>
</tr>
</tbody>
</table>

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1 at the output of SCHOTT fiber optic light guide, 1-arm, flexible, Ø 9 mm active, length 1000 mm
KL 1500 HAL