LED Powerline HP

Max. irradiation intensity: up to **12,000 mW/cm²**
Wavelength: 365, 385, 395 and 405 nm
Air cooled

**System-Features**
- High irradiation power
- Small dimensions
- Low weight
- Different wavelengths available

**Advantages**
- Low temperature load
- No warm-up phase

**New:**
up to 12,000 mW/cm²
The **LED Powerline HP** is a high-performance UV LED array for intermediate curing (pinning) and final curing for printing applications. Other applications are the curing of varnishes or UV-reactive adhesives and potting.

The typical **LED service life is more than 20,000 hours***. The LEDs can be switched-on and -off as often as required, without any warm-up or cooling phase.

The **LED Powerline HP** is available in wavelengths of **365/385/395/405 nm +/- 10 nm**. This variety allows to adjust the wavelength to the application in question. Integrated air-cooling guarantees a reliable continuous operation over the whole ambient temperature area, without depending on huge external heat exchangers.

### Special features

- The **LED Powerline HP** is electrically driven by a compact and efficient integrated module for top hat rail mounting or by the Hönle table unit LED powerdrive.
- Driving and monitoring of a LED segment up to a max. electric power of 400 W (depending on wavelength)
- Monitoring of LED segments regarding short-circuit, interruption and excess temperature
- Registration of operating hours of LED-segments
- Analogue dimming of the segments via a 0-10 V-signal
- Digital PLC-interface (Emergency-stop, LED-on, LED-failure, temperature warning)
- All modules BUS-controlled via RS485 and separate operation-display

### Technical data

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>LED service life</strong></td>
<td>&gt; 20,000 hours *</td>
</tr>
<tr>
<td>Irradiated area / output window:</td>
<td>75 x 20 mm different lengths in 40 mm-steps</td>
</tr>
<tr>
<td>dimensions in mm:</td>
<td>134 x 78 x 251,5 max. length application dependent</td>
</tr>
<tr>
<td>Wavelengths typical intensity in mW/cm²**</td>
<td>365 385 395 405 5000 8000 12000 12000</td>
</tr>
<tr>
<td>Cooling</td>
<td>air cooling</td>
</tr>
</tbody>
</table>

* typical time for usage under standard environment conditions  
** measured with Hönle LED sensors for UV meter

### Advantages of LED technology

LEDs do not emit infrared irradiation. Thanks to the low temperature load on the substrate, even heat-sensitive materials can be irradiated. The different spectra guarantee safe and fast curing.

As LEDs do not need any warm-up phase, the LED heads can be switched on and off as often as required and they are immediately ready for operation at any time.