jetCURE LED

Max. irradiation intensity: > 16.000 mW/cm²

Wavelength: 365, 385, 395 and 405 nm

Air cooled

System-Features
- High irradiation power
- Different wavelengths
- Length depends on application
- Individual control of LED segments, grid 82 mm
- Continuous power control

Advantages
- Low temperature load
- Low power consumption
- Supply voltage 48 - 55 V DC
- No warm-up phase
- Ozone-free
- Long service life

New:
min. 16.000 mW/cm²
Air cooled

LED
The **jetCURE LED** is a high-performance array for intermediate curing (pinning) and final curing in printing applications. Other applications are the curing of inks, varnishes, adhesives and pottings.

The array allows modular (grid 82 mm) and continuously variable control. **jetCURE LED** is available in the wavelengths of 365/385/395/405 nm +/- 10 nm.

### Advantages of LED technology

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 and enable cyclic operation.

LEDs do not emit infrared irradiation. Thus they generate only low temperature load on the substrate so that even heat-sensitive materials can be irradiated.

### Special features

- Digital PLC-interface
- Serial RS422 interface
- Separate control of individual LED groups
- Power control max. 5 - 100 % (device dependent)
- Integrated air cooling
- Integrated diagnostics function
- Cyclic operation in the range of milliseconds possible

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**Technical Data**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LED service life</td>
<td>&gt; 20,000 hours *</td>
</tr>
<tr>
<td>Irradiated area / output window:</td>
<td>82 - 656 x 20 (see various versions)</td>
</tr>
<tr>
<td>Wavelengths in nm</td>
<td>365 385 395 405</td>
</tr>
<tr>
<td>min. intensity in mW/cm²**</td>
<td>8,000 16,000 16,000 16,000</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

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