# LED Curing Lamps

<table>
<thead>
<tr>
<th>Description</th>
<th>DELOLUX 50</th>
<th>DELOLUX 80</th>
<th>DELOLUX 20</th>
<th>DELOLUX 820</th>
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</thead>
<tbody>
<tr>
<td><strong>Description</strong></td>
<td>High-intensity spot light source</td>
<td>High-intensity area lamp for smaller bonding areas</td>
<td>High-intensity area lamp for even irradiation</td>
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</tr>
</tbody>
</table>
| **Dimensions of lamp head** | x1: 12 mm dia. × 71 mm  
   x4: 15 mm dia. × 76 mm | 365 nm: 27 mm dia. × 92 mm  
   400 nm: 27 mm dia. × 92 mm  
   460 nm: 20 mm dia. × 85 mm | DELOLUX 20:  
   112 mm × 112 mm × 121 mm  
   DELOLUX 202:  
   200 mm × 67 mm × 121 mm | x4: 848 mm × 82.8 mm × 179 mm  
   x6: 1,267 mm × 82.8 mm × 179 mm |
| **Light exit area** | x1: 8.6 mm dia.*  
   x4: 11.5 mm dia.* | 365 nm: 23.0 mm dia.  
   400 nm: 23.0 mm dia.  
   460 nm: 16.9 mm dia. | DELOLUX 20:  
   100 mm × 100 mm  
   DELOLUX 202:  
   202 mm × 49 mm | x4: 830 mm × 30 mm  
   x6: 1,250 mm × 30 mm |
| **Wavelength / typical intensity** | 365 nm x1: ≥ 7,000 mW/cm²  
   365 nm x4: ≥ 1,400 mW/cm²  
   400 nm x1: ≥ 7,000 mW/cm²  
   400 nm x4: ≥ 2,000 mW/cm²  
   460 nm x1: ≥ 7,000 mW/cm² | 365 nm: ≥ 4,000 mW/cm²  
   400 nm: ≥ 5,500 mW/cm²  
   460 nm: ≥ 2,500 mW/cm² | 365 nm (A1): ≥ 600 mW/cm²  
   365 nm (A2): ≥ 1,200 mW/cm²  
   400 nm (A1): ≥ 1,000 mW/cm²  
   400 nm (A2): ≥ 2,000 mW/cm²  
   460 nm: on request | 365 nm: ≥ 250 mW/cm² |
| **Cooling mechanism** | Passively cooled Powerguide, heat sink in lamp head | Closed and monitored Coldguide liquid cooling system | Active air cooling | Liquid cooling with external cooling unit |
| **Control** | DELO-UNIPRO, DELO-UNIPRO Light or external PLC | DELO-UNIPRO, DELO-UNIPRO Light or external PLC | DELOLUX pilot and optional downstream PLC | DELO-UNIPRO, DELO-UNIPRO Light or external PLC |
| **Reliability** | Intensity measurement with DELOLUXcontrol | Intensity measurement with DELOLUXcontrol | Intensity measurement with DELOLUXcontrol | Intensity measurement with DELOLUXcontrol |
Properties

- Emission spectra optimized for adhesives
- Evenly distributed intensity
- Monitoring of the LED temperature and function
- Regular intensity measurement at the component with DEOLUXcontrol
- Low energy consumption
- Service life of more than 20,000 h possible
- Stable light power at a constantly high level
- Lamp heads are easy to install

Your benefits

- Reliable adhesive curing, high process reliability
- Low operating and maintenance costs
- Fast curing in seconds, short cycle times
- Easy integration into systems

Further details at www.DELO.show/light-curing

The technical data are for informational purposes only. Specific values can be found in the user manual. It is the user’s responsibility to test the suitability of the device for the intended purpose by considering all specific requirements. If you need support in using the devices, please feel free to ask your contacts in our Sales Department.