## LED Lamps

### DELOLUX® 50
- **Description**: High-intensity spot light source
- **Dimensions of lamp head**:
  - x1: 0.47 in dia. × 2.8 in (12 mm dia. × 71 mm)
  - x4: 0.59 in dia. × 2.99 in (15 mm dia. × 76 mm)
- **Light exit area**:
  - x1: 0.34 in dia.* (8.6 mm dia.)
  - x4: 0.45 in dia.* (11.5 mm dia.)
  - * various optics available
- **Wavelength/typical intensity**:
  - 365 nm: ≥ 7,000 mW/cm²
  - 365 nm: ≥ 4,000 mW/cm²
  - 400 nm: ≥ 5,500 mW/cm²
  - 460 nm: ≥ 2,500 mW/cm²
- **Cooling mechanism**: Passively cooled Powerguide, heat sink in lamp head
- **Control**: DELO®-UNIPRO, DELO®-UNIPRO Light or external PLC
- **Reliability**: Intensity measurement with DELOLUXcontrol

### DELOLUX® 80
- **Description**: High-intensity area lamp for smaller bonding areas
- **Dimensions of lamp head**:
  - 365 nm: 1.06 in dia. × 3.62 in (27 mm dia. × 92 mm)
  - 400 nm: 1.06 in dia. × 3.62 in (27 mm dia. × 92 mm)
  - 460 nm: 0.79 in dia. × 3.35 in (20 mm dia. × 85 mm)
- **Light exit area**:
  - x4: 0.45 in dia. (11.5 mm dia.)
- **Wavelength/typical intensity**:
  - 365 nm: ≥ 7,000 mW/cm²
  - 400 nm: ≥ 5,500 mW/cm²
  - 460 nm: ≥ 2,500 mW/cm²
- **Cooling mechanism**: Closed and monitored Coldguide® liquid cooling system
- **Control**: DELO®-UNIPRO, DELO®-UNIPRO Light or external PLC
- **Reliability**: Intensity measurement with DELOLUXcontrol

### DELOLUX® 20
- **Version**: A1 / A2
- **Description**: High-intensity area lamp for even irradiation
- **Dimensions of lamp head**:
  - DELOLUX 20:
    - 4.41 in × 4.41 in × 4.76 in
  - DELOLUX 202:
    - 8.23 in × 2.64 in × 4.76 in
  - x4: 33.39 in × 3.26 in × 7.05 in (848 mm × 82.8 mm × 179 mm)
  - x6: 49.88 in × 3.26 in × 7.05 in (1,267 mm × 82.8 mm × 179 mm)
- **Light exit area**:
  - 365 nm: 0.91 in dia. (23.0 mm dia.)
  - 400 nm: 0.91 in dia. (23.0 mm dia.)
  - 460 nm: 0.67 in dia. (16.9 mm dia.)
  - DELOLUX 20:
    - 3.94 in × 3.94 in (100 mm × 100 mm)
  - DELOLUX 202:
    - 7.95 in × 1.93 in (202 mm × 49 mm)
  - x4: 32.68 in × 1.18 in (830 mm × 30 mm)
  - x6: 49.21 in × 1.18 in (1,250 mm × 30 mm)
- **Wavelength/typical intensity**:
  - 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
- **Cooling mechanism**: Active air cooling
- **Control**: DELOLUX® pilot and optional downstream PLC
- **Reliability**: Intensity measurement with DELOLUXcontrol

### DELOLUX® 820
- **Version**: A1 / A2
- **Description**: Area lamp for even irradiation
- **Dimensions of lamp head**:
  - 365 nm: 1.06 in dia. × 3.62 in (27 mm dia. × 92 mm)
  - 400 nm: 1.06 in dia. × 3.62 in (27 mm dia. × 92 mm)
  - 460 nm: 0.79 in dia. × 3.35 in (20 mm dia. × 85 mm)
- **Light exit area**:
  - x4: 33.39 in × 3.26 in × 7.05 in (848 mm × 82.8 mm × 179 mm)
  - x6: 49.88 in × 3.26 in × 7.05 in (1,267 mm × 82.8 mm × 179 mm)
- **Wavelength/typical intensity**:
  - 365 nm: ≥ 250 mW/cm²
- **Cooling mechanism**: Liquid cooling with external cooling unit
- **Control**: DELO®-UNIPRO, DELO®-UNIPRO Light or external PLC
- **Reliability**: 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 DELOLUXcontrol
- 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

CONTACT

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.