

LED Curing Lamps

DELO



DELOLUX® 50



DELOLUX® 80



DELOLUX® 20
Version: A1 / A2
DELOLUX® 202
Version: A1 / A2



DELOLUX® 820

LED lamps

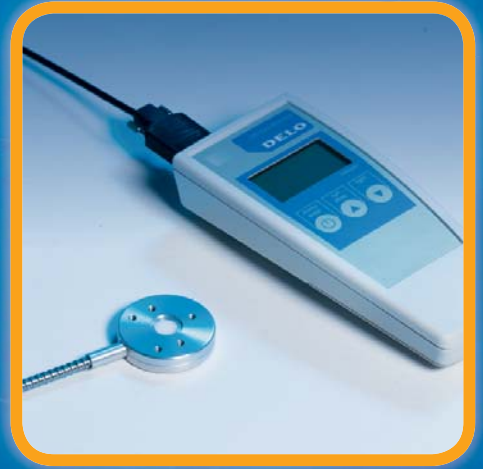
Description	High-intensity spot light source	High-intensity area lamp for smaller bonding areas	High-intensity area lamp for even irradiation	Area lamp for even irradiation
Dimensions of lamp head	x1: 0.47 in dia. × 2.8 in (12 mm dia. × 71 mm) x4: 0.59 in dia. × 2.99 in (15 mm dia. × 76 mm)	365 nm: 1.06 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)	DELOLUX 20: 4.41 in × 4.41 in × 4.76 in (112 mm × 112 mm × 121 mm) DELOLUX 202: 8.23 in × 2.64 in × 4.76 in (209 mm × 67 mm × 121 mm)	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	x1: 0.34 in dia.* (8.6 mm dia.) x4: 0.45 in dia.* (11.5 mm dia.) * various optics available	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 x1: ≥ 7,000 mW/cm ² 365 nm x4: ≥ 1,400 mW/cm ² 400 nm x1: ≥ 7,000 mW/cm ² 400 nm x4: ≥ 2,000 mW/cm ² 460 nm x1: ≥ 7,000 mW/cm ²	365 nm: ≥ 4,000 mW/cm ² 400 nm: ≥ 5,500 mW/cm ² 460 nm: ≥ 2,500 mW/cm ²	365 nm (A1): ≥ 600 mW/cm ² 365 nm (A2): ≥ 1,200 mW/cm ² 400 nm (A1): ≥ 1,000 mW/cm ² 400 nm (A2): ≥ 2,000 mW/cm ² 460 nm: on request	365 nm: ≥ 250 mW/cm ²
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 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.

DELO Industrial Adhesives
 Headquarters

► **Germany** · Windach/Munich www.DELO-adhesives.com

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