DELOLUX® 820
LED Area Lamp

Reliable curing for consistently high quality of smart card modules

The DELOLUX® 820 lamp system enables fast, even and reliable curing of photoinitiated DELO® adhesives. These LED lamps reach full power directly after switched on. They deliver constant process parameters over a lifetime of more than 20,000 hours under typical operating conditions.

Technical properties of DELOLUX® 820
- Wavelength: 365 nm
- Light exit area:
  - DELOLUX® 820 / 365 x4: 830 mm × 30 mm
  - DELOLUX® 820 / 365 x6: 1,250 mm × 30 mm
- Typical max. intensity: 300 mW/cm²
- Intensity directly at chip: 63,000 mW/cm²

Your benefits
- Modular array of 4 or 6 individually controlled lamp heads
  - Maximum output in in-line processes
  - Easy-to-exchange lamp head
- Optimized light exit area
  - Evenly distributed intensity and homogeneous curing over the entire irradiation line
- Compact design
  - Easy integration into production systems
  - Compatible with existing fully automated encapsulation processes with UV-curing DELO®-DAM&FILL® and glob top materials
- Liquid cooling with external cooling unit
  - Stable light power at a constant temperature for maximum process reliability
  - Use in clean rooms
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