



# DELO

## DELOLUX® 820 LED Area Lamp

Reliable curing for  
consistently high quality of smart card modules

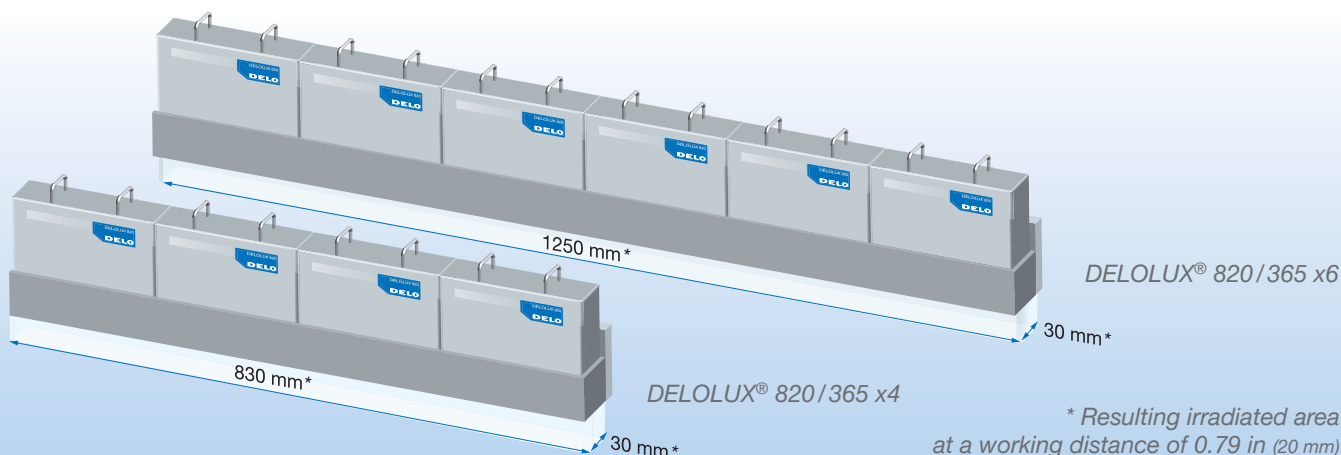
The DELOLUX® 820 lamp system enables fast, even and reliable curing of photoinitiated DELO® adhesives. These LED lamps reach full power directly after switched on. They deliver constant process parameters over a lifetime of more than 20,000 hours under typical operating conditions.

### Technical properties of DELOLUX® 820

- Wavelength: 365 nm
- Light exit area:  
DELOLUX® 820/365 x4: 32.68 in × 1.18 in (830 mm × 30 mm)  
DELOLUX® 820/365 x6: 49.21 in × 1.18 in (1,250 mm × 30 mm)
- Typical intensity:  $\geq 250 \text{ mW/cm}^2$
- Intensity directly at chip:  $63,000 \text{ mW/cm}^2$

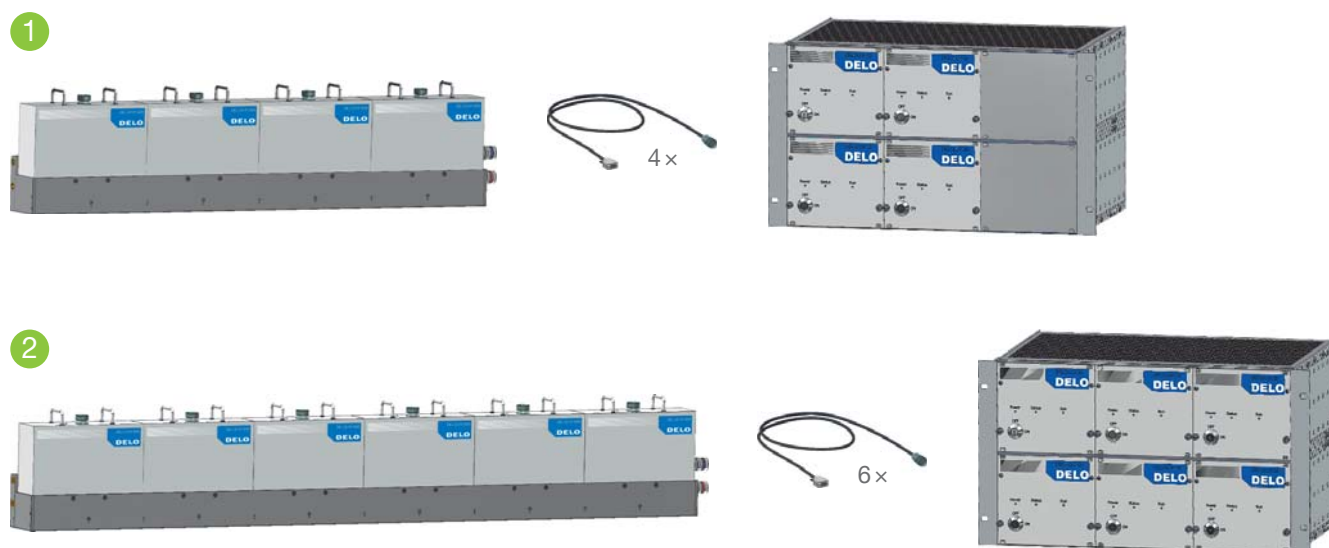
### Your benefits

- 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 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



\* Resulting irradiated area  
at a working distance of 0.79 in (20 mm)

System components	Article number
DELOLUX® 820/365 x4	95 202 93 <b>1</b>
DELOLUX® 820/365 x6	95 202 91 <b>2</b>
Spare parts	Article number
DELOLUX® 820 LED head 365 without base unit	95 202 89
DELOLUX® 820 base unit	95 202 65
Control and accessories	Article number
DELO®-UNIPRO Light, control unit for DELOLUX® 820	95 200 51
Connection line DELOLUX® 820 – DELO®-UNIPRO Light	95 200 53
DELO®-UNIPRO, control unit for DELOLUX® 820	95 200 01
Connection line DELOLUX® 820 – DELO®-UNIPRO	95 200 59
UV safety glasses	95 200 43
Process monitoring	Article number
DELOLUXcontrol, light intensity meter without detector head	95 201 08
DELOLUXcontrol LED 9 mm detector head	95 201 04



# CONTACT

**DELO** Industrial Adhesives  
Headquarters

► **Germany** · Windach/Munich ...

..... [www.DELO-adhesives.com](http://www.DELO-adhesives.com)

07/18

**ADHESIVES**

**DISPENSING**

**CURING**

**CONSULTING**

**DELO**

The data and information provided are based on tests performed under laboratory conditions. Reliable information about the behavior of the product under practical conditions and its suitability for a specific purpose cannot be concluded from this. It is the customer's responsibility to test the suitability of a product for the intended purpose by considering all specific requirements and by applying standards the customer deems suitable (e. g. DIN 2304-1). Type, physical and chemical properties of the materials to be processed with the product, as well as all actual influences occurring during transport, storage, processing and use, may cause deviations in the behavior of the product compared to its behavior under laboratory conditions. All data provided are typical average values or uniquely determined parameters measured under laboratory conditions. The data and information provided are therefore no guarantee for specific product properties or the suitability of the product for a specific purpose. Nothing contained herein shall be construed to indicate the non-existence of any relevant patents or to constitute a permission, encouragement or recommendation to practice any development covered by any patents, without permission of the owner of this patent. All products provided by DELO® are subject to DELO®'s General Terms of Business. Verbal ancillary agreements are deemed not to exist.

© DELO® – This brochure including any and all parts is protected by copyright. Any use not expressly permitted by the Urheberrechtsgesetz (German Copyright Act) shall require DELO®'s written consent. This shall apply without limitation to reproductions, duplications, disseminations, adaptations, translations and microfilms as well as to the recording, processing, duplication and/or dissemination by electronic means.