**LED Powerline LC**

Irradiation width due to application
(76 mm - 3,000 mm)

Max. irradiation intensity: **up to 20,000 mW/cm²**

Wavelength: 365, 385, 395 and 405 nm

Water cooled

**System-Features**

- High irradiation power
- Very small dimensions / different lengths
- Low weight
- Different wavelengths available

**Advantages**

- Low temperature load
- No warm-up phase
- Appropriate for clean rooms
The **LED Powerline LC** is a high-performance array for intermediate curing (pinning) and final curing for printing applications. Other applications are the curing of varnishes or UV-reactive adhesives and pottings.

The typical **LED service life is more than 20,000 hours***. The LEDs can be switched-on and -off as often as required, without any warm-up or cooling phase.

The **LED Powerline LC** is available in wavelengths of 365/385/395/405 nm +/- 10 nm. This variety allows to adjust the wavelength to the application in question.

With its low weight and small dimension the **LED Powerline LC** can be integrated in the smallest interspaces. The water-cooled unit is appropriate for being used in a clean room.

### Special features

- Driving and monitoring of a LED segment up to a max. electric power of 400 W
- Monitoring of LED segments regarding short-circuit, interruption and excess temperature
- Temperature compensation of LED power for homogeneous irradiation results
- Registration of operating hours of LED-segments
- Analogue dimming of the segments via a 0-10 V-signal
- Digital PLC-interface (Emergency-stop, LED-on, LED-failure, temperature warning)
- All modules BUS-controlled via RS485

### Technical data

| LED service life | > 20,000 hours * |
| Irradiated area / output window: | 76 x 10 mm different lengths in 40 mm steps |
| dimensions in mm: | 86 x 20 x 50 max. length application dependent |
| wavelengths in nm | 365 385 395 405 |
| typical intensity in mW/cm²** | 12000 16000 20000 20000 |
| Cooling | External water cooling |

* typical time for usage under standard environment conditions
** measured with Hönle LED sensors for UV meter

### Advantages of LED technology

LEDs do not emit infrared irradiation. Thanks to the low temperature load on the substrate, even heat-sensitive materials can be irradiated. The different spectra guarantee safe and fast curing.

As LEDs do not need any warm-up phase, the LED heads can be switched on and off as often as required and they are immediately ready for operation at any time.