honle group

honle uv technology

LED Powerline Flexo LC

Max. irradiation intensity: up to 25.000 mW/cm²

Wavelength: 365, 385, 395 and 405 nm

Water cooled

System-Features

- High irradiation power
- Compact dimensions
- Low weight
- Different wavelengths available

Advantages

- Low temperature load
- No warm-up phase
- Continous regulation
- Energy-saving
- long service life

LED Powerline Flexo LC

The **LED Powerline Flexo LC** is a high-performance UV-LED array for intermediate curing (pinning) and final curing for printing applications. Other application fields 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 Flexo LC** is available in wavelengths of **365/385/395/405 nm** +/- 10 nm. This variety allows to adjust the wavelength to each application in question.

Special features

- Driving and monitoring of each LED segment via a highly-efficient LED driver which is integrated in the housing
- Separate regulation of each LED segment, e.g. for format size control
- Monitoring of each LED segment regarding short-circuit, interruption and excess temperature
- 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-off, LED-failure)
- All modules BUS-controlled via RS485 and separate operation-display or optional via Ethernet

Advantages of LED technology

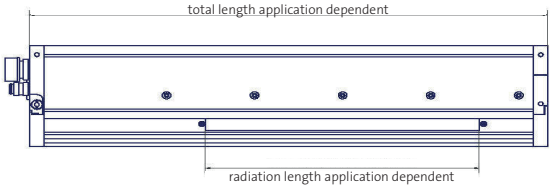
LEDs do not emit infrared irradiation. Thanks to the low temperature load on the substrate even heat-sensitive materials can be irradiated. The different spectra guarantee safe and fast curing.
As LEDs do not need any warm-up phase, the LED heads can be switched on and off as often as required and they are immediately ready for operation at any time.

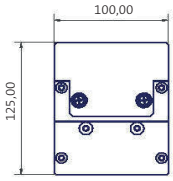
Technical data

LED service life	> 20.000 hours *
Radiation length	max. length application dependent
dimensions in mm W x H	circa 125 x 100 max. length application dependent
Wavelengths typical intensity in mW/cm²**	365 385 395 405 12.000 25.000 25.000 25.000
Cooling	water cooling

* typical lifetime under specified operating conditions

** measured with Hönle UV meter with LED sensor





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