hönle group

hönle uv technology

LED Powerline

AC 410 IC

Max. irradiation intensity: up to 4.000 mW/cm²

Wavelength: 365, 385, 395 and 405 nm

Air cooled

System-Features

- High irradiation power
- Small dimensions
- Low weight
- Different wavelengths available
- Air cooled

Advantages

- Low temperature load
- No heating phase
- Stackable without gap
- IC (Integrated Controller)
- Plug & Play with 48 V

LED Powerline AC 410 IC

LED Powerline AC 410 IC is an air cooled high-performance UV LED array for intermediate curing (pinning), final curing for printing applications as well as curing of varnishes or UV-reactive adhesives and pottings.

LED Powerline AC 410 IC is available in wavelengths of **365/385/395/405 nm** +/- 10 nm. This variety allows to adjust the wavelength perfectly to any application.

Integrated air-cooling guarantees a reliable continuous operation over the whole ambient temperature area, without depending on huge external heat exchangers.

For **larger irradiation widths**, LED Powerlines are stackable **without gap** to any lengths.

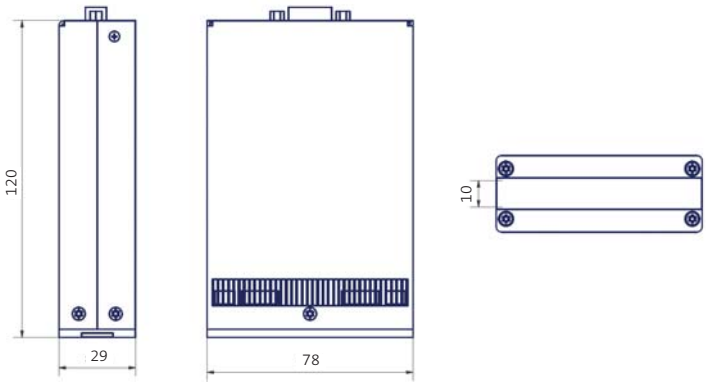
Special features

- **Integrated controller (IC)**
- Driving and monitoring of each LED segment up to a max. electric power of 400 W
- Monitoring of LED segments regarding short-circuit, interruption and excess temperature
- Registration of operating hours
- 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 or via an optional control panel

Technical data

LED service life	> 20.000 hours*			
Irradiated area / output window:	78 x 10 mm			
Dimensions in mm:	78 x 29 x 120			
Wavelengths in nm	365	385	395	405
Typical intensity in mW/cm²**	2.000	4.000	4.000	4.000
Cooling	air cooling			

* typical lifetime under specified operating conditions
** measured with Hönle LED sensor 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. The typical **LED service life is more than 20.000 hours***.

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