



New:  
up to 4.000 mW/cm<sup>2</sup>

LED

## LED Powerline

### AC 410 IC

Max. irradiation intensity: up to 4.000 mW/cm<sup>2</sup>

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 120 W
- Monitoring of LED segments regarding short-circuit, interruption and excess temperature
- Analogue dimming of the segments via a 0-10 V-signal
- Optional control panel

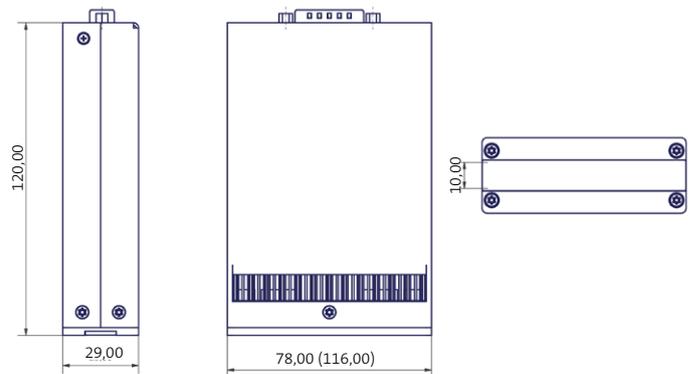


### Technical data

|  |                           |       |       |       |
|--|---------------------------|-------|-------|-------|
| LED service life                           | > 20.000 hours*           |       |       |       |
| Irradiated area / output window:           | 78 x 10 mm or 116 x 10 mm |       |       |       |
| Dimensions in mm:                          | 78 x 29 x 120             |       |       |       |
| Wavelengths in nm                          | 365                       | 385   | 395   | 405   |
| Typical intensity in mW/cm <sup>2</sup> ** | 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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