honle group

honle uv technology

LED Powerline HP

Max. irradiation intensity: up to 12.000 mW/cm²

Wavelength: 365, 385, 395 and 405 nm

Air cooled

System-Features

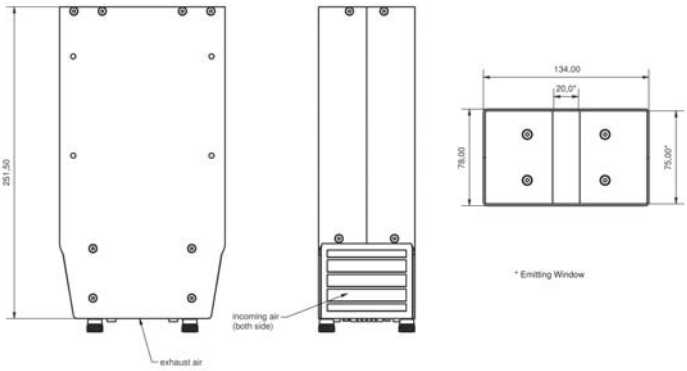
- High irradiation power
- Small dimensions
- Low weight
- Different wavelengths available

Advantages

- Low temperature load
- No warm-up phase

LED Powerline HP

The **LED Powerline HP** is a high-performance UV LED 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 HP** is available in wavelengths of **365/385/395/405 nm** +/- 10 nm. This variety allows to adjust the wavelength to the application in question.
Integrated air-cooling guarantees a reliable continuous operation over the whole ambient temperature area, without depending on huge external heat exchangers.



Special features

- The **LED Powerline HP** is electrically driven by a compact and efficient integrated module for top hat rail mounting or by the Hönle table unit LED **power**drive.
- Driving and monitoring of a LED segment up to a max. electric power of 400 W (depending on wavelength)
- Monitoring of LED segments 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-failure, temperature warning)
- All modules BUS-controlled via RS485 and separate operation-display

Technical data

LED service life	> 20.000 hours *
Irradiated area / output window:	75 x 20 mm different lengths in 40 mm-steps
dimensions in mm:	134 x 78 x 251,5 max. length application dependent
Wavelengths typical intensity in mW/cm²**	365 385 395 405 5000 8000 12000 12000
Cooling	air 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.

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