LED UV sheet-fed offset

LED Powerline Focus

For all sheet-fed offset print formats

Water cooled

System-Features

- Almost distance-independent high intensity due to focusing optics
- Format shutdown due to modular design
- No standby
- No warm-up phase
- „Quick-Change"-plug-in module
- Compact design

Advantages

- Low energy consumption
- Reduced temperature load on the substrate
- High efficiency
- Long lifetime of LEDs
- Ozone-free
- Mercury free
- Easy maintenance

LED UV high-performance dryer for sheet-fed offset printing

Based on our experience from thousands of LED UV installations for various applications we have now developed a new powerful **LED UV system** designed especially for the installation in **sheet-fed offset** printing presses. The system is adapted to the special press requirements such as **higher installation distances** to the printed sheets.

The special **focusing optics** provides high intensities and leads to excellent curing results even at high printing speeds.
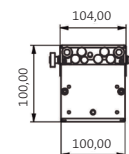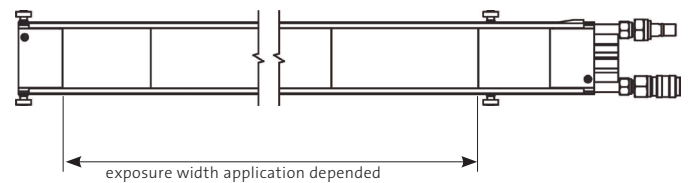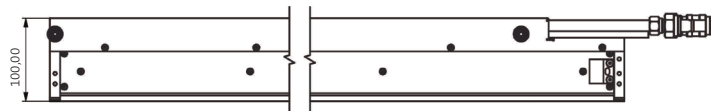
The service-friendly plug-in technology of the compact UV module allows the easy and individual positioning in the printing press and offers a high level of flexibility.
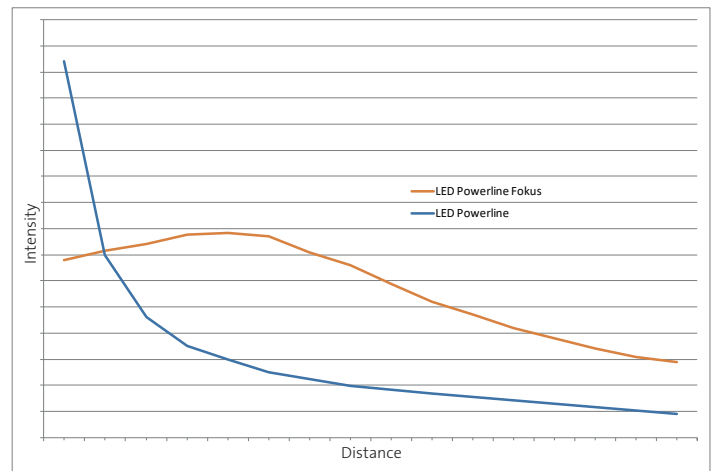
Intensity gradient depended on distance

Process advantages and characteristics

- Significant energy savings
- Low warming of the substrate – thus no registry problems and low pile temperatures
- High efficiency and high intensity provide excellent curing results
- Save wash cycles in the printing units without time loss due to ON /OFF within seconds
- Environmental friendly ozone- and mercury free technology

Advantages of LED Technology

LEDs **do not emit infrared irradiation**. Due to the **low temperature load on the substrate**, even heat-sensitive materials can be irradiated. As LEDs do not require a warm-up phase, the LED modules can be easily switched on and off and are **instantly ready for use**. The typical LED service life is more than 20,000 hours.

exposure width application depended

Drawing LED Powerline Focus