



LUV THE HIGH-PERFORMANCE LED SYSTEM FROM IST METZ

IST METZ offers a complete LED product portfolio for a wide range of requirements. The flagship of the product range is the revised water-cooled high-performance LED system LUV. The variable system guarantees optimum adaptation to the different requirements of sheetfed and web printing presses and industrial applications.

Newly developed optics consisting of lenses specially matched to the respective application ensure optimum light output on the substrate. The systems are available in different wavelengths or in mixed configurations. The water cooling of the LED chips guarantees high efficiency and a long service life for the systems.

A clever modular basic concept in combination with its extremely robust and compact design gives the user maximum flexibility and versatility. The system is freely scalable in length and can be adapted to all machine formats and installation situations. This makes it possible to use an LUV unit in different positions on a machine. The compact design, combined with IST METZ's decades of experience in machine integration, guarantees the user accessibility to the machine at all times.

HOTSWAP

The HotSwap concept makes it easy to switch between lamp and LED technology within a short space of time.

SMARTCURE

AI can be used to identify potential energy savings and thus extend the service life of the LEDs. The intelligent system promotes modern, environmentally friendly work processes and achieves double-digit energy savings by reducing the dryer output.



FEATURES OF THE LUV SYSTEM

DEEP CURE OPTICS

The extremely powerful LED system not only achieves the best values for surface curing, but also at very large distances and maximum machine speed. The specially developed Deep Cure optics improve penetration of the entire paint and lacquer layer and offer highly efficient deep curing.

COOLING

of the LED chips with air or water for high efficiency and a long lifetime of the system.

AUTOMATIC FORMAT ADJUSTMENT

Format adjustment has been further improved. This allows the irradiation field to be adjusted in 30 mm increments. As an option, the LUV offers adjustment in 15 mm increments.

ENVIRONMENTALLY FRIENDLY

The LUV system does not contain mercury and does not generate any ozone.

XTRA ENERGY

The optimised irradiation field of the LUV unit offers an extra dose rate, which is crucial for the effective curing of LED paints and lacquers in addition to the peak power.

PULSING

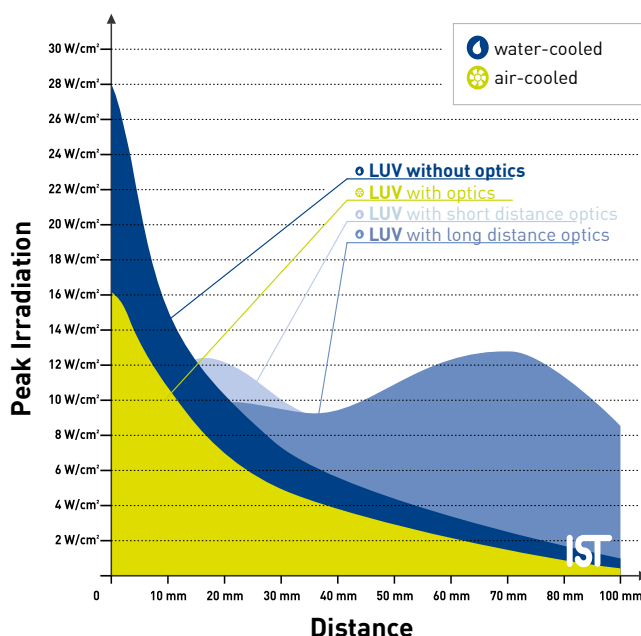
It is possible to switch the LEDs on and off without delay.

LONG LIFE TIME OF THE UV LEDS

Under ideal operating conditions, an operating time of more than 20,000 hours can be achieved.

ADVANTAGES OF THE LUV SYSTEMS

Optimized characteristic



ADJUSTED SERIES FOR VARIOUS APPLICATIONS

LUV (without optics)	LUV (with optics)
Optimized output with a distance up to 10 mm	Optimized optics for increased output with a distance from at least 10 mm
Typical applications: Inkjet, narrow-web, industrial applications	Typical applications: Sheet-fed offset printing, web printing, industrial applications
Emission window: 30 x 14 mm (single module), working width variable in steps of 30 mm modules	Emission window: a) 120 x 66 mm (single module), working width variable in steps of 120 mm modules b) 60 x 66 mm, not frameless extendible
Format variability: Switchable in zones of 30 mm	Format variability: Switchable in zones of 30 mm
Available wavelengths: 365 - 405 nm, mixed wavelengths possible	Available wavelengths: 365 - 405 nm, mixed wavelengths possible

WE HAVE THE CURE

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