



LUV
THE HIGH-PERFORMANCE
LED SYSTEM FROM IST METZ

LUV is the newly developed water-cooled, high-performance LED system from IST METZ. Two different versions of the system guarantee the optimum suitability for a great variety of applications.

FEATURES OF THE LUV SYSTEM:

COOLING

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

OPTIMUM SUITABILITY

of the system to various distances between unit and substrate by means of newly developed optics. Lenses that are designed for specific applications allows for an optimum UV output on the substrate.

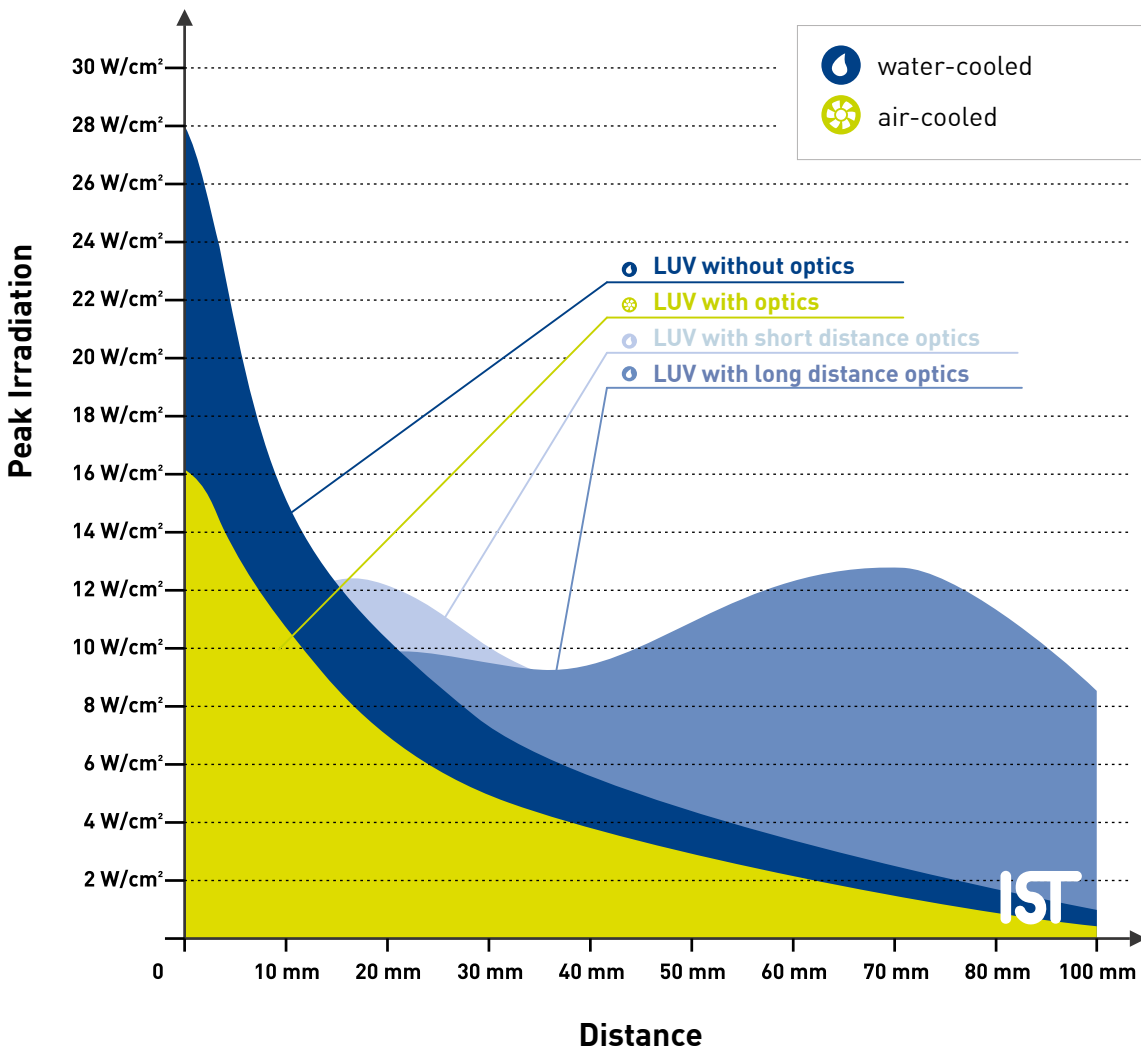
ADJUSTED SERIES FOR VARIOUS APPLICATIONS

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 wavelenghts possible	Available wavelengths: 365 - 405 nm, mixed wavelenghts possible



ADVANTAGES OF THE LUV SYSTEMS

OPTIMIZED CHARACTERISTIC



PULSING

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

VARIABLE FORMAT

Individual sub-segments of the LED lamp can be switched on and off depending on the format.

LONG LIFE TIME OF THE UV LEDS

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

ENERGY-EFFICIENT TECHNOLOGY

with the potential to save energy through immediate operation without run-up time, shutdown option during production breaks, adjustment of LED to production width, as well as the large adjustment of lamp output from 30–100%.

ENVIRONMENTALLY FRIENDLY

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

WE HAVE THE CURE

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