

SPOTCURE 09

HIGH PERFORMANCE MULTISPECTRAL LED UV SYSTEM



MAXIMUM PERFORMANCE AND MODULARITY

The SPOTcure 09 combines radiation power and spectral characteristics of a mercury arc lamp with the TCO and process benefits of LED technology.

Following a platform concept approach the SPOTcure 09 is capable to combine up to 5 high performance LEDs in the optical path. This allows for significantly elevated radiation power levels across a broad output spectrum.

Regarding the spectral composition of SPOTcure 09 systems, there is an almost unrestricted choice: LED modules in the NUV (365, 385, 405 nm), VIS (435, 470, 520, 620, 660, 690 nm) and NIR (730, 770, 810, 850, 970 nm) ranges are available. Exchanging LED modules is an easy task, which enables the end-customer to adapt an SPOTcure 09 setup to changing process requirements at any time.

An intuitive user interface as well as extensive possibilities to set up each LED module and general exposure parameters help you to manage your application processes.



SYSTEM INTEGRATION MADE EASY

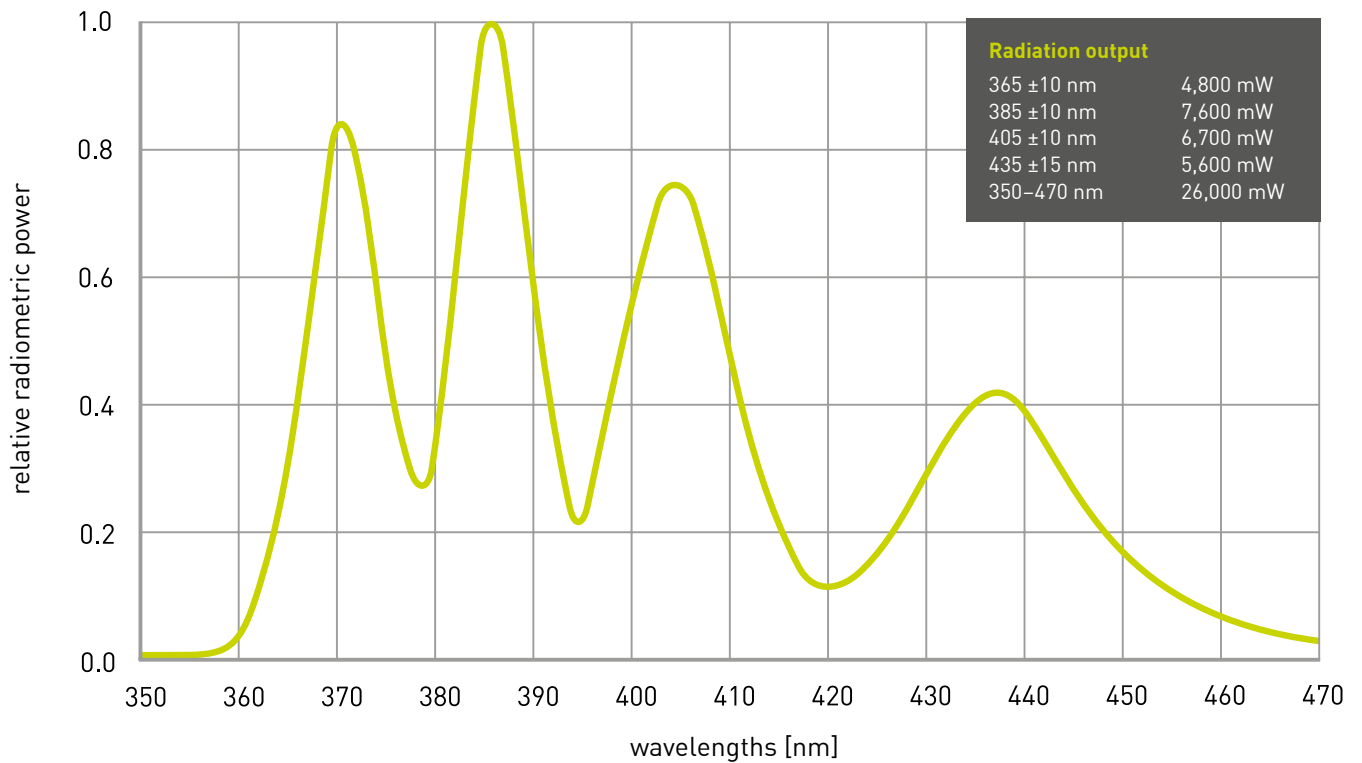
Being a fibre-coupled light engine, the SPOTcure 09 is designed to facilitate system integration into most processes and production environments. Effective radiation is transmitted to the area of application using a flexible light guide.

SPOTcure 09 light engines do not require external water-cooling, as high efficiency internal heat management allows for stand-alone operation. To ensure seamless interaction with any equipment in your manufacturing setup, SPOTcure 09 light engines offer a wide choice of communication interfaces.

HIGHLIGHTS

- Up to 30 Watt of UV
- LED process stability and TCO benefits
- Customized spectral composition
- Closed loop controlled output
- Easy to integrate in new and existing setups
- No external cooling required

SPECTRAL COMPOSITION FOR LITHOGRAPHY APPLICATIONS



In order to optimize effectiveness in combination with selected photoresists, the spectral output of SPOTcure 09 systems is customizable. A wide range of applications is covered by the standard photolithography con-

figuration, including 3 high performance LED modules with peak wavelengths around 365, 405 and 435 nm.

TECHNICAL DATA

Included emitters: 365 nm, 385 nm, 405 nm, 435 nm

Total radiation output*: up to 26 W

Output intensity*: up to 80 W/cm²

Numerical aperture: 0.6

Communication interfaces: PLC and Fieldbus

Heat management: Internal water cooling

Dimensions (W H D): 28 cm x 23 cm x 40 cm (11.0" x 9.1" x 15.7")

Weight: 14.0 kg (30.9 lbs)

Power supply input: 110–240 VAC / 50–60 Hz, 1000 W

* Measured at end of light guide (diameter 6.5 mm, length 1.5 m)

WE HAVE THE CURE

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