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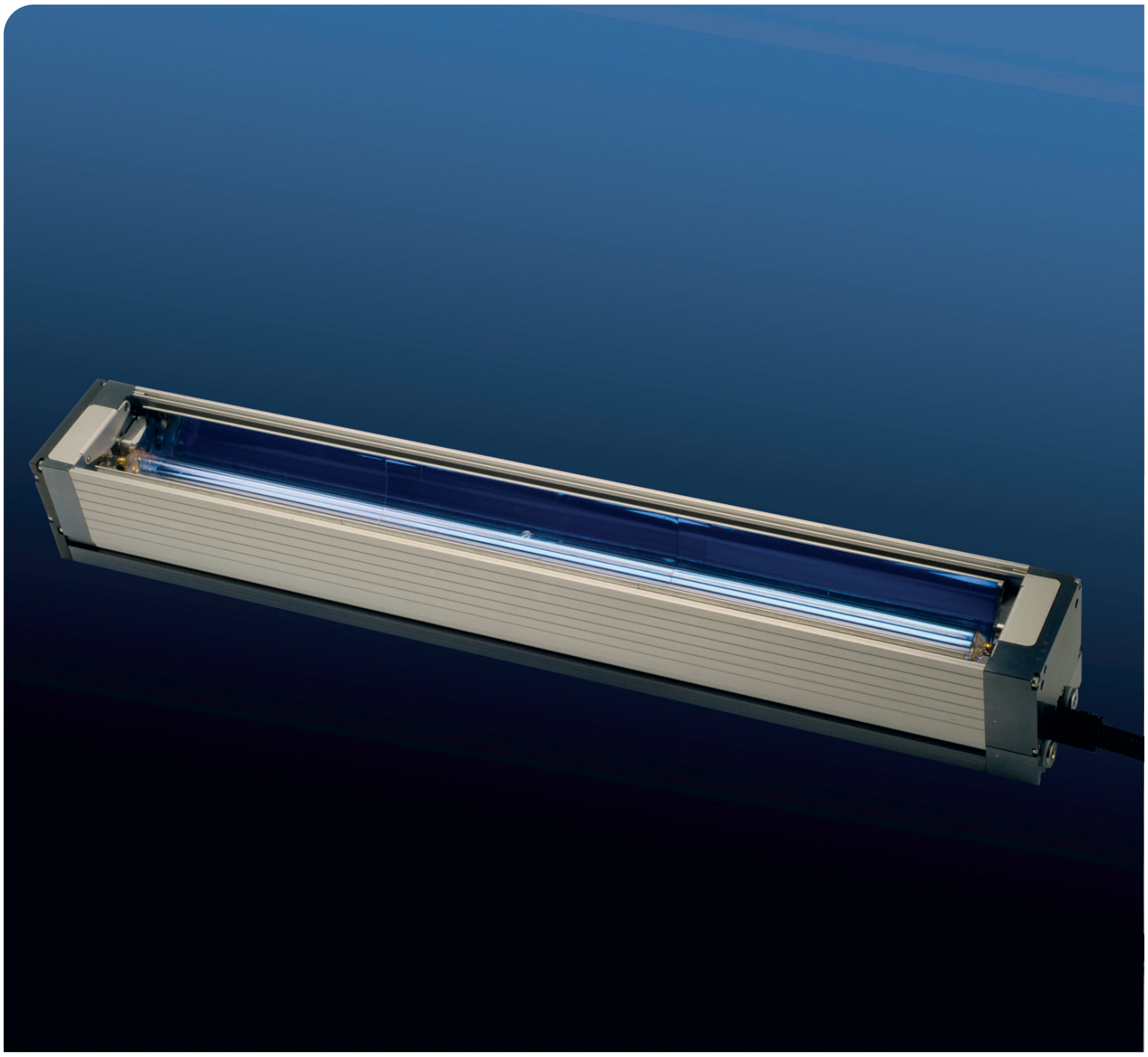

LightGuide

The perfect solution for the curing of UV inks.

System-Features

- High radiation performance and energy efficiency
- Compact, lightweight design
- Plug & Play connections
- Flexible for a wide range of system compatibility

Advantages

- Highest level of performance for the most demanding of processes
- Superior reliability and adaptability
- Service-friendly
- Rapid lamp and reflector change-out
- Highly flexible

The perfect solution for the curing of UV inks

LightGuide is a high-performance UV module for curing UV inks, varnishes, and coatings. Incredible UV yield is achieved through enhanced reflector geometry. The reflection of UV radiation is optimized for maximum efficiency with minimized energy input. The system's "Energy-Minimized UV Curing" certification, awarded by the independent German Berufsgenossenschaft (BG), demonstrates our strong commitment to both performance and ecology.

Features

UV-lamp output of up to 240 W/cm (600 W/inch) offers more than enough power for high-demand systems and is more than adequate for even the shortest of processing times required by the graphics arts industry and other industrial applications. An **LightGuide** UV module includes precision-engineered DiCure reflectors. Due to their special surface coatings, infrared radiation is absorbed and UV radiation is reflected. Doped UV lamps can be installed in the module for easy wavelength adjustment to specific applications (e.g. inks or varnishes).

Handling

LightGuide has been designed to utilize simple, exchangeable reflector inserts and to allow rapid lamp replacement with no need for tools. This simple yet ingenious principle allows the user to easily adapt the UV radiation profile to their specific process requirements (e.g. focused or widespread). A compact and lightweight construction makes positioning for integration with different machines effortless. All system connections are Plug & Play. Compatibility with special Eltosch Grafix UV modules for heat-sensitive substrates is another feature which demonstrates the system's user-friendly flexibility. The small housing allows for a vast range of use and even the widest of modules can be handled with relative ease.

Application

The range of use for **LightGuide** includes all UV-curing related system applications. Because of the high radiation yield, optimum curing results can be achieved at the highest of speeds for packaging, complex enhancements, and coatings.
Furthermore, **LightGuide** can be used for commercial printing or for UV curing of inks and varnishes on non-absorbing substrates. For improved curing of opaque whites, the **WhiteCure** version of **LightGuide** is the optimal solution.

Main Features

- High performance yet reduced energy consumption
- Quick and easy exchange of reflector inserts
- Easy adjustment of UV intensity to specific process requirements
- UV-lamp power output of up to 240 W/cm regardless of application width
- User-friendly for rapid lamp and reflector exchanges.
- Plug & Play connections
- High flexibility for use in a wide range of systems and positions
- Compatible with doped lamps and reflectors for optimal adjustment to specific inks, varnishes, and coatings
- Standardized DiCure reflectors
- Lightweight and compact
- Integrated mechanized shutter system

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