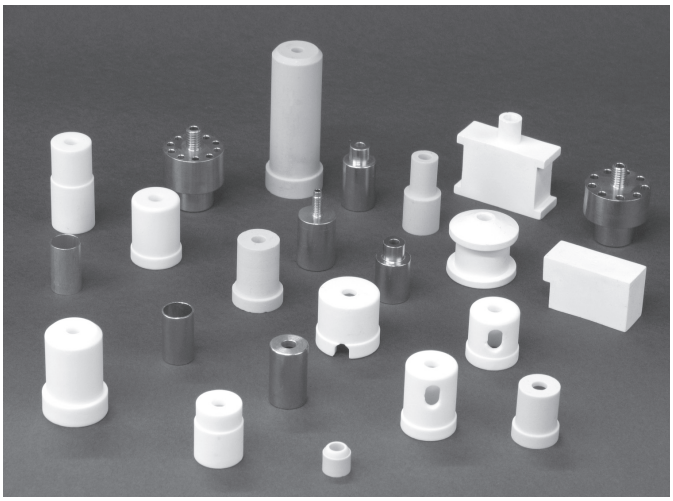
UV-Curing Lamps
200–1000 W/inch



Reliability
Downtime in production due to lamp failure is costly. Good service may ameliorate this nuisance. Continuous, trouble-free partially operation is preferred.

Sophisticated materials processes adapted to the specific requirements of high quality gas discharge lamps and several 100% inspections at many production stages make our lamps outstanding in performance.

ULTRALIGHT lamps are characterized by:
- longevity
- arc diameters carefully calculated to obtain the best performance of any reflector
- the reduction in UV output is hardly noticeable even after several thousand hours of operation, provided the system is well designed.

Range
Our lamps are manufactured from 50 mm arc size up to 2400 mm. Other sizes are available on special request.

Lamp Power
Lamps of 80, 120, 160, 240 and 400 W/cm are standard. For special applications, power ratings above 600 W/cm are possible.

Electrical Characteristics
The lamp characteristics are either adjusted to existing power supplies or are optimized, if ordered as a system together with power supplies of our own.

Transmission of UV
ULTRALIGHT lamps are manufactured from highly transparent quartz, giving best results in curing speed. All lamps may be ordered alternately as ozone-free lamps or made of synthetic quartz, if proper exhaust systems are not available, or if state regulations bar normal lamps.

Customized Products
A large variety of ceramic or metal end caps with or without lead wires specially designed for excessive heat and radiation exposure make our lamps adaptable to almost all practical requirements. Upon request, we assist in developing special terminals which become proprietary to our customers.

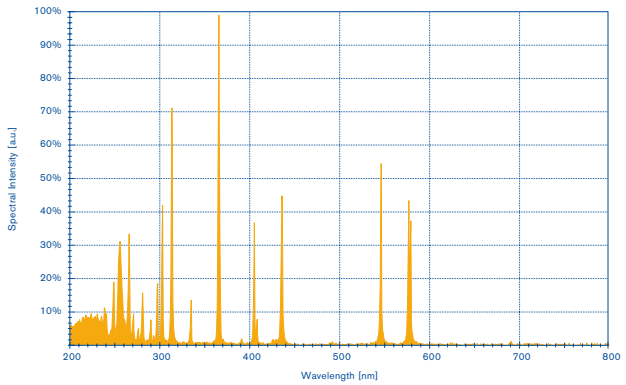
We also assist in designing special reflectors of high reflectivity in UV. We help in determining the proper cooling mode and cooling rate in order to get the best use out of a design system.

Delivery
Despite the variety of more than 2000 lamp types, short delivery time is guaranteed due to our flexible manufacturing process.

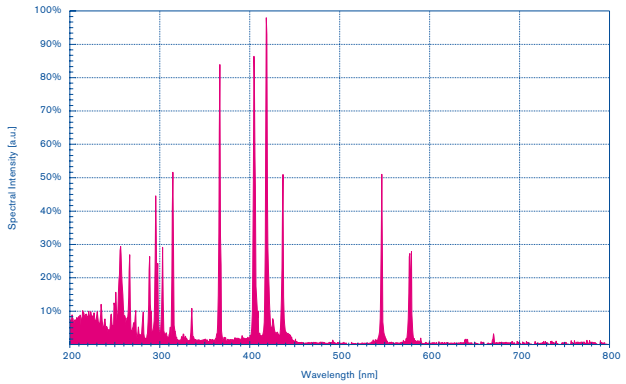
Ultralight AG · Gewerbeweg 29 · FL-9486 Schaanwald · Liechtenstein · Tel: +423/373 56 56 · Fax: +423/373 36 78 · mail@ultralight.li · www.ultralight.li

UV Curing Lamps

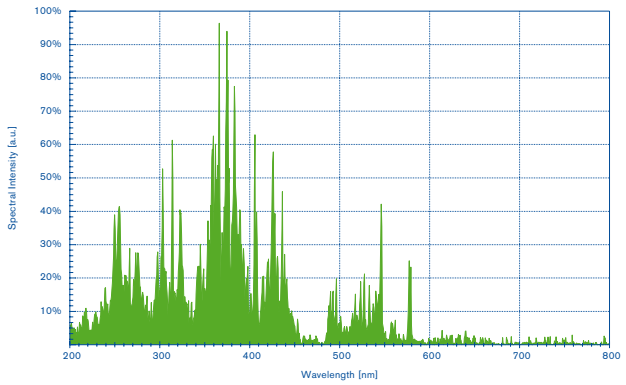
Spectrum: Mercury / Hg — Lamp No. 900221



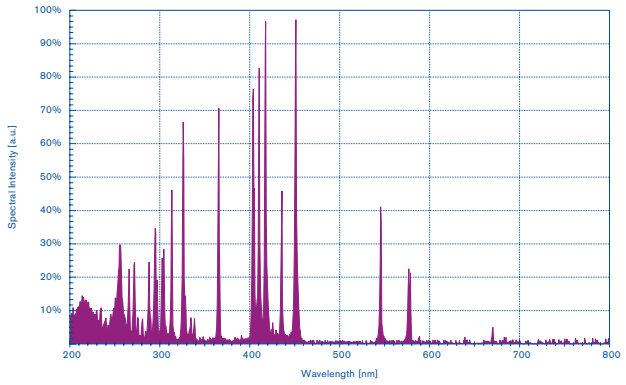
Spectrum: Gallium / Ga — Lamp No. 900318



Spectrum: Iron / Fe — Lamp No. 900428



Spectrum: Gallium-Indium / Gi — Lamp No. 807926



UV Curing Lamps

We develop and produce most suitable UV lamps and components for UV curing applications in various industries.

Printing Industry

- Offset and dry offset printing
- Silkscreen printing
- Flexographic printing
- Tampon/pad printing
- Letter press printing
- Ink-jet printing

Packaging and Labeling Industry

- Label printing
- Mandrel printing
- Tampon/pad printing

Optical Storage Industry

- CD/DVD production

Electronic Industry

- Printed circuit board production
- Film exposure (microfilms, Diazo films, heliography)
- Wafer exposure

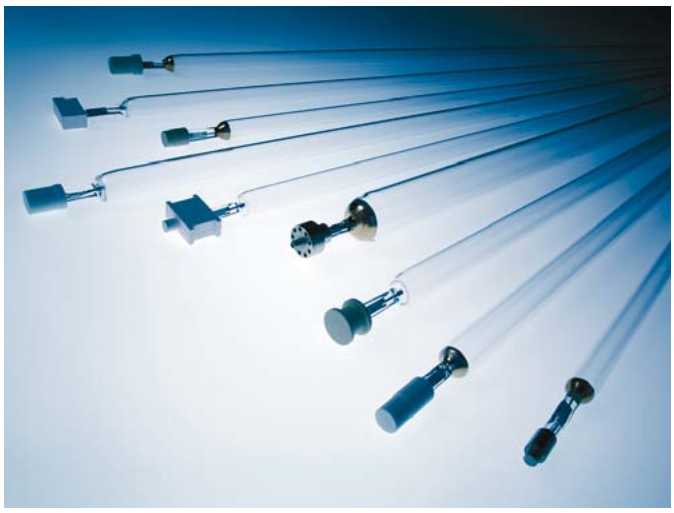
Furniture and Woodworking Industry

Curing of varnishes, coatings and adhesives on

- Wood
- Metal
- Glass
- Ceramic
- Plastic and many other materials

Power Ratings of UV Curing Lamps

- 80-600 W/cm (200-1500 W/inch)
- Other ratings on request



Ultralight AG · Gewerbeweg 29 · FL-9486 Schaanwald · Liechtenstein · Tel: +423/373 56 56 · Fax: +423/373 36 78 · mail@ultralight.li · www.ultralight.li

PIL1_070507_EN

Lamp Identification Form

This form is also available on our website at: www.ultralight.li

For a quotation, please complete the following form and send it to us by fax or email.

Company .....

Name .....

Department .....

Street ..... No. .....

City .....

Country .....

Phone ..... / .....

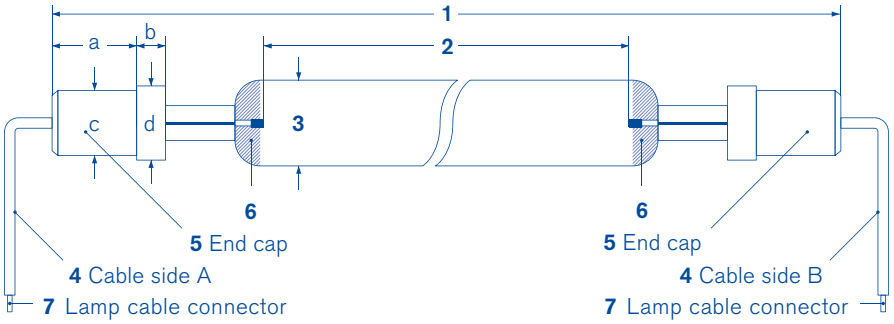
Fax ..... / .....

Email ..... @ .....

Contact address

Ultralight AG
Gewerbeweg 12 · LI-9486 Schaanwald
Principality of Liechtenstein
Tel. +423/373 56 56 · **Fax +423/373 36 78**
mail@ultralight.li · www.ultralight.li

Identification of your UV-Lamp



7 Lamp cable connector: ☐ No cables

- ☐ Wire end sleeve
- ☐ Ring lug, D ..... mm
- ☐ Fork connector, D ..... mm
- ☐ Female push-on connector, D ..... mm
- ☐ Other, attach drawing or photo

Mechanical Data of the UV-Lamp

1 Total length ..... mm

2 Arc length ..... mm

3 Diameter Ø ..... mm

4 Cable length: Side A ..... mm Side B ..... mm

5 End cap: ☐ Metal ☐ Ceramic

a ..... mm b ..... mm

c Ø ..... mm d Ø ..... mm

☐ Other, attach drawing or photo

6 Reflector: ☐ None ☐ Gold ☐ Silver ☐ White

Electrical Data of the Power Supply

Primary voltage ..... V Secondary voltage V

No-load voltage V

Type of power supply (check all that applies):

☐ Chokes & igniter ☐ Stray field transformer

☐ Constant wattage transformer

☐ Step-up transformer with chokes & igniter ☐ Electronic power supply

☐ Thyristor controller ☐ Transductor controller

Local mains voltage ..... V ☐ 50 Hz ☐ 60 Hz

Operation: ☐ Phase-to-phase ☐ Phase-to-ground

Quartz Type

☐ Standard ☐ Ozone-free ☐ Synthetic

☐ Other: .....

Spectrum

☐ Hg (Mercury) ☐ Ga (Gallium) ☐ Gi (Gallium-Indium)

☐ Fe (Iron) ☐ Other: .....

Electrical Data of the UV-Lamp

Lamp voltage ..... V Lamp current ..... A

Lamp power: Total ..... W Specific ..... W/cm

Additional Information

Specify your application .....

Lamp type .....

Yearly demand .....

Producer of lamp .....

Your UV-curing system made by .....

UV-curing system type .....

Your machine made by .....

Machine type .....