



UV Large Area Lamp
for stationary use with fluorescent material testing

KARL DEUTSCH

UV Large Area Lamp

For fluorescent penetrant and magnetic particle inspection



UV Large Area Lamp 3848



UV Large Area Lamps with pneumatic mount

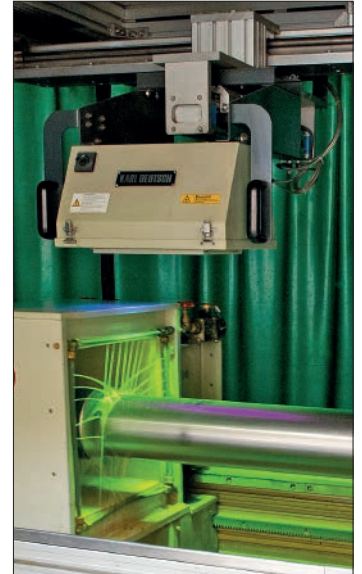


UV Large Area Lamp in the maintenance condition: Convenient bulb replacement

DEUTROFLUX® UV Large Area Lamp 3848

- For stationary use
- Extremely high intensity with very large and homogeneous field of irradiation
- Hinges and easy-to-operate draw latches for quick exchange of for easy exchange of bulbs without tools
- Totally enclosed reflector for protection from external pollution
- Optimum cooling for low housing temperature and long bulb lifetime
- Quick start-up of UV-bulb at any temperature
- Edge filter: In addition to the serially built-in blue filter glass, a clear filter glass is fitted.

The additional clear filter glass slightly reduces the intensity of the lamp, but almost all short wave UV irradiance components are blocked, thus making the lamp more skin friendly. The edge filter can also be dismantled.



UV Large Area Lamp with manually movable mount

Technical Data and Ordering Information

UV large area lamp	order no. 3848.004 (incl. UV bulb, edge filter, neutral absorber, blue filter glass and 2.5 m mains cable)
Irradiation intensity	more than 6,000 $\mu\text{W}/\text{cm}^2$ at a distance of 400 mm from the edge filter more than 7,000 $\mu\text{W}/\text{cm}^2$ at a distance of 300 mm from the edge filter
Lifetime of bulb	approx. 1,000 hours – then the intensity is half of the initial value
Illuminated area	approx. 800 mm x 300 mm (half-value dimensions, depending on focusing, distance approx. 400 mm)
Housing temperature	approx. 28 °C (at the front side)
Weight	approx. 18 kg
Dimensions	435 mm x 295 mm x 271 mm (L/W/H)
Mains voltage	230 V / 50 - 60 Hz
Power consumption	approx. 1,000 VA

Accessories

UV spare bulb	order no. 6302.001
UV replacement filter (blue)	order no. 6302.103
Replacement neutral absorber	order no. 6302.104
UV replacement edge filter (clear)	order no. 6302.201

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