



Large-Area UV-Lamp 3848

The UV Lamp of the Fourth Generation - the Best Alternative for Stationary Use

- Extremely high intensity with very large and homogeneous field of irradiation
- Hinges and quick-seal coupling 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, another clear filter glass is built-in. The intensity of the lamp is slightly reduced, but all short wave UV irradiance components are almost blocked. The edge filter can also be dismantled.



Technical Data:

Irradiation intensity:

more than 6 000 $\mu\text{W}/\text{cm}^2$ in 400 mm,
more than 7 000 $\mu\text{W}/\text{cm}^2$ in 300 mm distance
from edge filter

Without edge filter:

more than 10 000 $\mu\text{W}/\text{cm}^2$ in 400 mm or
more than 11 500 $\mu\text{W}/\text{cm}^2$ in 300 mm distance
from filter glass

Life time of bulb:

After approx. 1000 hours, the intensity is half
of the initial value

Illuminated area:

approx. 800 by 300 mm^2
(half-value dimensions, depending on
focusing, distance approx. 400 mm)

Housing temperature:

(at the operator's side): approx. 28° C

Weight:

approx. 18 kgs

Dimensions:

435 x 295 x 271 mm^3 (L/W/H)

Mains voltage:

230 V/50 Hz (Option: 60 Hz)

Power consumption:

approx. 800 VA

Article No's:

Large-Area UV-lamp (incl. UV bulb, blue filter glass, edge filter and 2.5 m mains cable)	3848.002
UV-Spare bulb	6302.001
UV-Spare filter glass (blue)	6302.101
UV-Spare edge filter (clear)	6302.201