

Technical Information

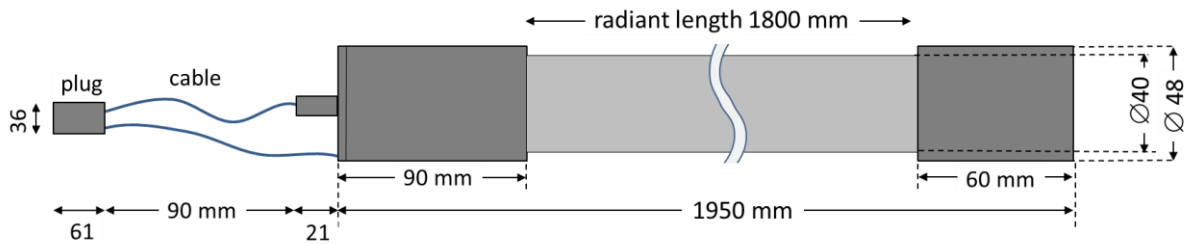
XERADEX L40/1800/DB-AZ48/90

Revision: 1.1 - 02/2020

Supersedes: 1.0 – 10/2010

Status: valid

Radium TECH



RADIUM XERADEX®

VUV excimer lamps offer an exceptionally high VUV efficiency.

XERADEX® lamps are the high-tech solution for cost effective surface cleaning/activation, purification or etching.

Electrical data

Rated power 900 W

Spectral data

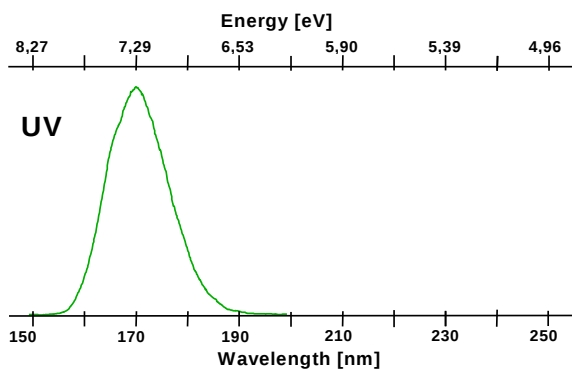
Peak wavelength 172 nm
Irradiance at lamp surface @ 900W 120 mW/cm² ¹⁾
Generates ozone yes

Dimensions

Overall length 1950 ± 2,0 mm
Radiant length 1800 ± 2,0 mm
Tube diameter 40 ± 1,9 mm
Socket diameter 48 ± 0,3 mm
Socket denomination Tubular
Connector Mate N-Lock (4 lin.)

Article No.

34317534



Applications

- Surface treatment
 - Removal of organic residue, resist
 - Cleaning of photomasks
 - Etching of plastic surfaces
- Activation of surface bonds
 - Improved deposition (photoresist, detergents)
 - Adjustment of contact angle
- Photo induced processes
 - Matting of lacquer
 - Ozone production
 - UV/ozone cleaning without external ozoniser

Operating conditions

Burning position any
Cooling optional
Power supply (ECG) DBD 1000 220/240

Lifespan

Recommended service life¹⁾ @ 900W 1500 h
Recommended service life @ 300W 2500 h
Radiation flux at service life end >70%

¹⁾ With input power 900W, active cooling required

Advice

- Lamp emits high energy UV radiation which is readily absorbed by oxygen under generation of ozone.
- Provide ample ventilation and operate the lamp in suitable environment only.
- Lamp is designed for operation with matching power supply. Do not connect to any other power supply.
- Lamp is operated at high voltage. Lamp may only be installed, exchanged and operated by qualified personnel.

For complete operating, design-in, transportation and storage guidelines, please kindly refer to *Radium XERADEX® Application Notes*.

