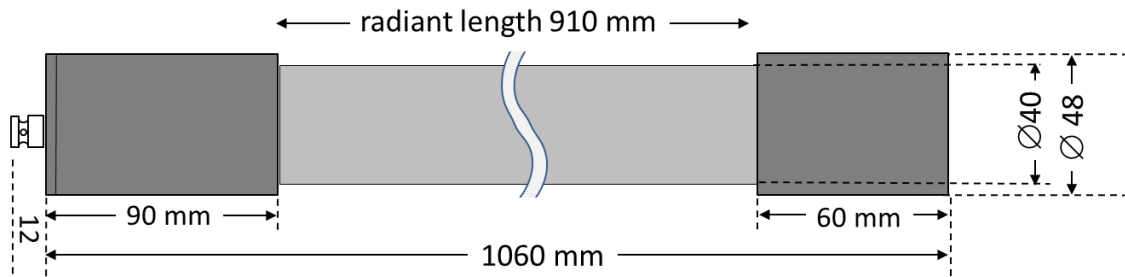


Technical Information

XERADEX L40/910/DB-AZ48/90

Revision: 1.1 - 11/2020

Supersedes: -
Status: valid



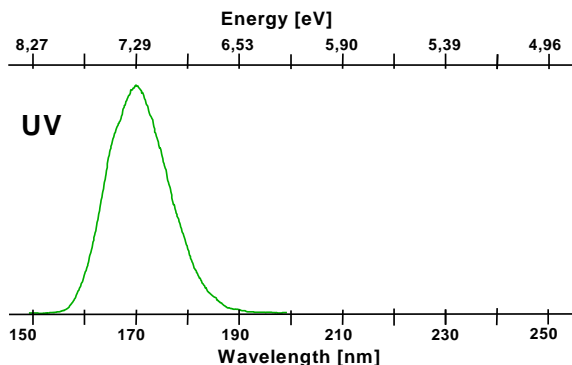
RADIUM XERADEX® VUV excimer lamps offer an exceptionally high VUV efficiency. XERADEX® lamps are the high-tech solution for cost effective surface cleaning/activation, purification or etching.

Electrical data

Rated power 150W (300W ¹⁾)

Spectral data

Peak wavelength 172 nm
Irradiance at lamp surface 45 mW/cm² (85mW/cm² ¹⁾)
Generates ozone yes



Operating conditions

Burning position any
Cooling optional
Power supply (ECG) DBD 300MK2 110/240

Lifespan

Recommended service life¹⁾ @ 300W 2000 h
Recommended service life @ 150W 2500 h
Radiation flux at service life end >70%

¹⁾ With input power 300W, active lamp cooling required, max. possible power of dimmable ECG DBD300MK2 is coded at RADIUM before delivery

Dimensions

Overall length 1060 ± 2,0 mm
Radiant length 910 ± 2,0 mm
Tube diameter 40 ± 1,9 mm
Socket diameter 48 ± 0,3 mm
Socket denomination Tubular
Connector MHV (BNC-HT)

Article No.

34317436

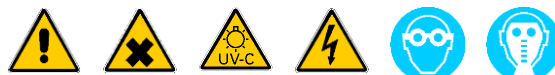
Applications

- 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

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 the **RADIUM XERADEX® Application Notes**.



Radium Lampenwerk GmbH - TECH
Dr.-Eugen-Kersting-Strasse 6
D- 51678 Wipperfurth

+49-2267 - 81 - 1
Mail: tech@radium.de
WEB: www.tech.radium.de