

## XBO $\leq$ 450 W Double End



### Areas of application

- Endoscopy
- Microscopy
- Surgical Headlamps
- Fiber Illumination
- Solar Simulation
- Imaging & Scanning

### Product features and benefits

- High luminance / radiance with intense point source
- Color temperature approximately 6000 K (daylight) consistent through the life of the lamp
- High color rendering index:  $R_a >$
- High arc stability
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- Hot restart capability
- Dimmable over a wide range
- Long lamp life





XBO XENON SHORT ARC LAMPS



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Product family datasheet

Technical data

| Product description            | Electrical Data |                             |              |                 |
|--------------------------------|-----------------|-----------------------------|--------------|-----------------|
|                                | Nominal wattage | Lamp voltage                | Lamp current | Type of current |
| XBO 75 W/2                     | 75 W            | 12...16 V <sup>3)</sup>     | 4.9...5.9 A  | DC              |
| XBO 75 W/2 OFR <sup>1)</sup>   | 75 W            | 12...16 V <sup>3)</sup>     | 4.9...5.9 A  | DC              |
| XBO 100 W OFR <sup>1)</sup>    | 100 W           | 12.8...14.4 V <sup>3)</sup> | 7.0...7.4 A  | DC              |
| XBO 150 W/4 <sup>2)</sup>      | 150 W           | 17...21 V <sup>3)</sup>     | 7.5 A        | DC              |
| XBO 150 W/1                    | 150 W           | 17...21 V <sup>3)</sup>     | 7.5 A        | DC              |
| XBO 150 W/CR OFR <sup>1)</sup> | 150 W           | 15...18 V <sup>3)</sup>     | 8.5 A        | DC              |
| XBO 150 W/1 OFR <sup>1)</sup>  | 150 W           | 17...21 V <sup>3)</sup>     | 7.5 A        | DC              |

| Product description            | Operating Conditions |  |
|--------------------------------|----------------------|--|
|                                | Cooling              |  |
| XBO 75 W/2                     | Convection           |  |
| XBO 75 W/2 OFR <sup>1)</sup>   | Convection           |  |
| XBO 100 W OFR <sup>1)</sup>    | Convection           |  |
| XBO 150 W/4 <sup>2)</sup>      | Forced               |  |
| XBO 150 W/1                    | Forced               |  |
| XBO 150 W/CR OFR <sup>1)</sup> | Forced               |  |
| XBO 150 W/1 OFR <sup>1)</sup>  | Forced               |  |

<sup>1)</sup> OFR = Ozone-free version  
<sup>2)</sup> Lamp uses a special quality of quartz glass, known as SUPRASIL, which – in comparison to conventional quartz – provides higher transmission below 250 nm  
<sup>3)</sup> Initial voltage range

## Product family datasheet

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### Safety advice

Because of their high luminance, UV radiation and high internal pressure in both the hot and cold state, XBO lamps must only be operated in appropriate enclosed casings. Always use the protective jackets supplied when handling these lamps. They may only be used as open lamps if appropriate safety measures are taken. More information is available on request or can be found in the leaflet included with the lamp or the operating instructions.

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### Application advice

For more detailed application information and graphics please see product datasheet.

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### Disclaimer

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.