

Environmental information for xenon short-arc lamps (XBO®)

• Product description and operating information

OSRAM XBO® short-arc lamps are discharge lamps filled with xenon gas in wattages from 50W to 12,000W in which the discharge arc burns in the pure gas atmosphere at a pressure of around 20 bar.

XBO® lamps have a continuous spectrum in the visible range and a high colour rendering index. They are suitable for dc operation and can be hot restarted without any problem at all.

As with all short-arc lamps, material is lost from the tips of the electrodes in XBO® lamps during normal operation. This not only causes the bulb to blacken but also increases the gap between the electrodes and therefore increases the lamp voltage.

• Health risks

During normal operation, XBO® lamps emit high levels of UV radiation and may therefore only be used in enclosed purpose-built housings. If the lamps are used without shields they may cause serious damage to eyes and skin if they burst. The bulb of the xenon lamp is under constant high pressure. There is a risk they may burst with explosive force if knocked or damaged.

• Protective measures

To avoid health risks we recommend the following procedure:

- Keep the lamp in its protective sleeve at all times during installation
- If you are handling the lamp without its protective sleeve, always wear safety goggles, a face mask, gauntlets with wrist protectors and a breast protector.

• Disposal of used xenon short-arc lamps

XBO® lamps do not contain any substances harmful to the environment so once they have been depressurised they can be thrown away with household waste. Follow the instructions on the enclosed leaflet.

This lamps are not affected by WEEE.

If you not have the facilities for disposing properly of old XBO® lamps you can send them, in their protective sleeves, to the following address (unfortunately we cannot pay the freight charges):

OSRAM GmbH
Nonnendammallee 44-61
J. Dierks /FOF-B
D-13629 Berlin

• OSRAM contact address

If you need further information please contact your OSRAM sales partner or Environmental Affairs & Technical Safety in Munich:

Phone: +49 (0) 89 / 6213 3309

Fax: +49 (0) 89 / 6213 3463

E-mail: umwelt@info.osram.de

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