

Frequently Asked Questions

XBO[®] Lamp Disposal

How do I properly dispose of XBO lamps?

DISPOSAL:

OSRAM XBO lamps are short arc lamps in which the luminous arc forms in an atmosphere of pure xenon gas at high pressure. There is a risk that a bulb could rupture because of its high internal pressure (both hot and at room temperature). A bulb rupture could result in personal injury or property damage from flying fragments of glass and/or metal. **Therefore, spent (end-of-life) bulbs should ALWAYS be stored in the safety covers and packaging in which they originally came, and ultimately de-pressurized before release for disposal.**

The following is one example of a de-pressurizing method for XBO bulbs prior to disposal, but it may not be the most suitable or appropriate method depending on the circumstance:

- The operator must wear OSHA-approved safety glasses, facemask (with neck protector), chest protector, and gauntlets during this procedure.
- With protective bulb-covers in place, place bulbs¹ into steel drum² and lock down cover with bolt ring and bolt.
- Drop drum onto solid surface (concrete floor) from at least five feet. Increase height as needed to ensure all bulbs are de-pressurized.
- Wait for dust to settle (about 5 minutes) before opening drum. Loosen bolt and allow gas to escape before complete removal of cover.

Bulb cathodes contain 1% thoria. Disposition of remains must be in accordance with applicable federal, state, and local regulations.

¹ The bulbs should not exceed the half-full point in the drums. Adjust the maximum number of bulbs accordingly.

² 8, 20, or 30-gallon drums, depending on quantity of bulbs to be de-pressurized, are available. Drums of 20-gauge steel are recommended and are available from many safety supply companies.