



Environmental information for ENDURA

• Product description

ENDURA is an electrode-less high-performance fluorescent lamp. It operates on a different principle from that of conventional fluorescent lamps. Discharge takes place in a closed ring, with no beginning and no end. Energy is "injected" from the outside by magnetic fields, which leads to an extremely long service life (over 60,000 hours).

The phosphors used are fully annealed inert substances that pose no risk to health even if they are released as a result of a lamp breakage.

When the lamps are in the cold state, in other words at room temperature, the mercury (no more than 15 mg) is generally present in the form of small metallic droplets in the discharge vessel (bulb). When the lamp is switched on the mercury vaporises as the temperature of the bulb rises, and the mercury vapour needed for the discharge fills the entire bulb. Mercury is released if the lamp breaks.

The lamps are in compliance with directive 2002/95/EC RoHS.

• Health risks

Inhaling mercury or mercury compounds in vapour or powder form can lead to health problems. Mercury can also be absorbed through the skin.

• Protection against lamp breakages

To avoid health risks we recommend the following procedure in the event of a lamp breaking:

- Remove all the bits, preferably with a vacuum cleaner
- Carefully ventilate the room
- Remove all broken lamp components from the luminaire before reusing the. To avoid contact with the skin, we recommend the use of disposable gloves.

• Disposal of used fluorescent lamps

Since fluorescent lamps contain noxious substances (mercury) they have to be disposed of in Europe as special waste under

EEC Code 20 01 21* "Fluorescent tubes and other waste containing mercury".

Fluorescent lamps are affected in EU by the scope of WEEE and can be disposed free of charge from private households and small consumers at all communal disposal facilities. More information under www.osram.com/about_us/environment/weee/index.html and your national OSRAM partner.

In other countries the relevant national regulations must be followed.

▪ 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

Email: umwelt@info.osram.de

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