



Environmental Information for PLANON®

- **Product description**

The OSRAM PLANON® flat lamp is a two-dimensional mercury-free discharge lamp that makes use of entirely new technologies. Light is generated by a pulsed dielectrically inhibited discharge in a xenon atmosphere.

An external voltage is applied to the electrode system of this low-profile discharge lamp, which causes xenon molecules to be excited in the discharge space. As these “excimers” decay, short-wave UV radiation is produced (172 nm) which is converted into visible light with the aid of a specially adapted UV phosphor.

PLANON lamps are currently produced with diagonal measurements of 10.4” to 21.3”. The main applications are backlighting for industrial and medical display monitors, effect lighting for architecture and lighting for film and TV studio recordings.

A future application will be backlighting for LCD TVs.

- **Environmental compatibility**

PLANON lamps do not contain any mercury.

- **Xenon gas**

PLANON lamps contain xenon gas at a cold-fill pressure of around 130 mbar. During operation, the gas pressure rises by a negligible amount. Since xenon gas is a natural constituent of air (even though it is present only in very small quantities), there is no environmental impact from the xenon gas that would escape from the lamp if it broke. There is no possibility of health being impaired.

- **Health risks**

There are no risks to health. No special measure is needed if the lamp breaks.

- **Disposal**

PLANON® technology is mercury-free. The 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.

- **OSRAM contact address**

If you have any queries regarding environmental protection at OSRAM please contact our department: Environmental Affairs & Technical Safety

Tel. 089 6213 -3309 Fax: 089/6213-3463 Email: umwelt@info.osram.de

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