

---

## LIGHT AND ENVIRONMENT

### PRODUCT ENVIRONMENTAL INFORMATION ON ELECTRONIC CONTROL GEARS

- **Product description**

Electronic control gears represent an important milestone on the way to energy-efficient lighting. In addition to offering economic benefits, the use of electronic control gear therefore helps to protect the environment. The components used (resistors, capacitors, transformers and transistors) are of simple design. The printed circuit boards consist of epoxy resin, impregnated or glass-fibre-reinforced laminated paper. They contain brominated flame retardants. Control gears QUICKTRONIC®, HALOTRONIC®, POWERTRONIC® and OPTOTRONIC® families are silicon-free (< 2 µg absolute).

- **Environmental and Health Impact**

When used and disposed of as intended, control gears do not pose a risk to health or the environment.

- **Legal requirements (EU)**

Electronic control gears are components of other electrical or electronic equipment like luminaries. Therefore they are only indirectly in the scope of EU Directive 2011/65/EU on the restriction of the use of certain hazardous substances ("RoHS"). Being part of such electrical and electronic equipment they fulfil the RoHS requirements. See also: [www.ledvance.com/rohs](http://www.ledvance.com/rohs)  
Information on Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals ("REACH") see [www.ledvance.com/reach](http://www.ledvance.com/reach).

- **Disposal of used Electronic Control Gears**

OSRAM electronic control gears are components of other electrical or electronic equipment such as luminaries. Therefore they do not come directly under the EU Directive 2002/96/EC and respectively EU Directive 2012/19/EU (Recast) on waste electrical and electronic equipment ("WEEE"), implemented in the EU by national legislation. Nevertheless electronic control gears do contain valuable materials and substances so that they should be collected of separate from private household waste and recycled. You can find more information under: [www.ledvance.com/weee](http://www.ledvance.com/weee) or contact your national OSRAM sales partner. In other countries the relevant national regulations must be followed.

The European Waste Catalogue ("EWC") classifies waste control gears as:

EWC Code 20 01 36 "discarded electric and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35"

- **Technical information**

Specific technical information can be found in the internet in LEDVANCE product data sheets:

<https://www.ledvance.com/products/electronics/electronic-control-gears-for-led-modules-and-dimmers/index.jsp>

and

<https://www.ledvance.com/products/electronics/electronic-control-gears-for-traditional-lighting/index.jsp>



---

- **LEDVANCE contact address**

If you need further information, please contact your LEDVANCE sales partner or directly our department for Security, Environment, Health and Safety (SEHS):

Email: [environment@ledvance.com](mailto:environment@ledvance.com)

---

Status: December 2016, Subject to change without notice