

Energy Related Products: Street and Office Lighting 245/2009 Implementing Measure



The Eco-design Directive

The Eco-design Directive for Energy-related Products, ErP (former EuP) establishes a framework under which manufacturers and importers of energy-related products will, at the design stage, be obliged to increase energy efficiency and reduce products' negative environmental impacts. The ErP Directive itself does not include any requirements for specific products, it is the implementing measures (IMs) that provide the prescription for compliance for each product category.

Products affected

The fourth IM coming into force is for Street and Office lighting. The European Commission decided to merge street and office lighting into a joint proposal and the outcome is regulation 245/2009 which came into force on April 13, 2009. Products covered are not only those used for streets and offices, but also in other applications (e.g. industrial plants, shops, public buildings). The products affected are:

- Fluorescent Lamps without Integrated Ballast
- High-Intensity Discharge Lamps
- Associated Ballasts & Fixtures for Fluorescent & HID Lamps

Products not included

- Lamps used in:
 - Computer Screens
 - Photocopiers
 - Tanning appliances
 - Terrariums
- Lamps that are not white light sources
- Directional light sources
- Lamps having:
 - 6 % of total radiation of the range 250 -780 nm between 250 - 400 nm
 - 11% of total radiation of the range 250-780 nm between 630 – 780 nm
 - 5% of total radiation of the range 250-780 nm between 640 – 700 nm
 - Peak Radiation between 315 – 400 (UVA) or 280 – 315 nm (UVB)
- Double-capped fluorescent lamps having specific diameters

Practical applications of the requirement

- T12 (and T10) halophosphate fluorescent tubes will be banned from 2012 with exception for fluorescent tubes for special purposes.
- T8 halophosphate fluorescent tubes will be banned from 2010.
- All fluorescent tubes must comply with an electronic ballast from 2017.
- All new luminaires must be sold with an electronic ballast from 2012. And from 2017 magnetic ballasts will be banned, not even for replacing in existing luminaires.
 - The performance requirements for HID-lamps will lead to a phase-out of HPM-lamps (High-pressure mercury), the highest wattages will be phased out first.
 - 90 % of the HPS-lamps (High-pressure sodium) shall have a lifetime of more than 16000 hours.
- Min performance requirements for all HID lamps leads to a minimizing of the mercury content.



ErP Services

The ErP Directive is an expansive environmental legislation. Our experts in environmental legislation and product compliance have untangled the ErP Directive. Intertek's ErP street and office lighting solution is:

- **ErP Compliance Verification:** Receive full verification of the street and office lighting Implementing Measure and we will deliver a test report for your product's technical file and Statement of Compliance for legal CE Marking.

Intertek's other ErP solutions are:

- **ErP Training & Consulting:** Learn what your quickest and most cost-efficient compliance options are. We'll tell you if, when, and how ErP will affect your product.
- **ErP Eco Software Analysis:** Let Intertek perform an analysis of your product's Ecological profile according to the ErP directive specifications.
- **ErP Pre-Compliance Verification:** Learn how your product measures up against proposed and future ErP regulations for R&D purposes, compliance planning and to determine market readiness.

About Intertek

Intertek is a leading provider of quality and safety solutions, serving a wide range of industries around the world. From auditing and inspection, to testing, quality assurance and certification, Intertek is dedicated to adding value to customers' products and processes, supporting their success in the global marketplace. Intertek has the experience, expertise, resources and global reach to support its customers through its network of more than 1,000 laboratories and offices and over 24,000 people in more than 100 countries around the world.

The Commercial & Electrical division of Intertek provides testing and certification services, including product safety testing and certification, electromagnetic compatibility (EMC) testing, performance testing, and management systems certification.

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