

Commission Regulation (EC) No 244/2009 of 18 March 2009 implementing Directive 2005/32/EC of the European Parliament and of the Council with regard to ecodesign requirements for non-directional household lamps (Text with EEA relevance)

*Article 1*

**Subject matter and scope**

This Regulation establishes ecodesign requirements for the placing on the market of non-directional household lamps, including when they are marketed for non-household use or when they are integrated into other products. It also establishes product information requirements for special purpose lamps.

The requirements set out in this Regulation shall not apply to the following household and special purpose lamps:

- (a) lamps having the following chromaticity coordinates  $x$  and  $y$ :
  - $x < 0,200$  or  $x > 0,600$
  - $y < -2,3172 x^2 + 2,3653 x - 0,2800$  or  
 $y > -2,3172 x^2 + 2,3653 x - 0,1000$ ;
- (b) directional lamps;
- (c) lamps having a luminous flux below 60 lumens or above 12 000 lumens;
- (d) lamps having:
  - 6 % or more of total radiation of the range 250-780 nm in the range of 250-400 nm,
  - the peak of the radiation between 315-400 nm (UVA) or 280-315 nm (UVB);
- (e) fluorescent lamps without integrated ballast;
- (f) high-intensity discharge lamps;
- (g) incandescent lamps with E14/E27/B22/B15 caps, with a voltage equal to or below 60 volts and without integrated transformer in Stages 1-5 according to Article 3.

*Article 2*

**Definitions**

For the purposes of this Regulation, the definitions set out in Directive 2005/32/EC shall apply. The following definitions shall also apply:

1. 'household room illumination' means the full or partial illumination of a household room, by replacing or complementing natural light with artificial light, in order to enhance visibility within that space;
2. 'lamp' means a source made in order to produce an optical radiation, usually visible, including any additional components necessary for starting, power supply or stable operation of the lamp or for the distribution, filtering or transformation of the

optical radiation, in case those components cannot be removed without permanently damaging the unit;

3. 'household lamp' means a lamp intended for household room illumination; it does not include special purpose lamps;
4. 'special purpose lamp' means a lamp not intended for household room illumination because of its technical parameters or because the related product information indicates that it is unsuitable for household room illumination;
5. 'directional lamp' means a lamp having at least 80 % light output within a solid angle of  $\pi$  sr (corresponding to a cone with angle of  $120^\circ$ );
6. 'non-directional lamp' means a lamp that is not a directional lamp;
7. 'filament lamp' means a lamp in which light is produced by means of a threadlike conductor which is heated to incandescence by the passage of an electric current. The lamp may or may not contain gases influencing the process of incandescence;
8. 'incandescent lamp' means a filament lamp in which the filament operates in an evacuated bulb or is surrounded by inert gas;
9. 'tungsten halogen lamp' means a filament lamp in which the filament is made of tungsten and is surrounded by gas containing halogens or halogen compounds. Tungsten halogen lamps are supplied either with or without integrated power supply;
10. 'discharge lamp' means a lamp in which the light is produced, directly or indirectly, by an electric discharge through a gas, a metal vapour or a mixture of several gases and vapours;
11. 'fluorescent lamp' means a discharge lamp of the low pressure mercury type in which most of the light is emitted by one or several layers of phosphors excited by the ultraviolet radiation from the discharge. Fluorescent lamps are supplied either with or without integrated ballasts;
12. 'ballast' means a device which serves to limit the current of the lamp(s) to the required value in case it is connected between the supply and one or more discharge lamps. It may also include means for transforming the supply voltage, dimming the lamp, correcting the power factor and, either alone or in combination with a starting device, providing the necessary conditions for starting the lamp(s). It can be integrated or external to the lamp;
13. 'power supply' means a device which is designed to convert alternating current (AC) power input from the mains power source input into direct current (DC) or another AC output;
14. 'compact fluorescent lamp' means a unit which cannot be dismantled without being permanently damaged, provided with a lamp cap and incorporating a fluorescent lamp and any additional components necessary for starting and stable operation of the lamp;
15. 'fluorescent lamp without integrated ballast' means a single and double capped fluorescent lamp without integrated ballast;
16. 'high intensity discharge lamp' means an electric discharge lamp in which the light producing arc is stabilized by wall temperature and the arc has a bulb wall loading in excess of 3 watts per square centimetre;

17. 'light emitting diode' or 'LED' means a solid state device embodying a p-n junction, emitting optical radiation when excited by an electric current;

18. 'LED lamp' means a lamp incorporating one or several LED.

For the purposes of Annexes II to IV, the definitions set out in Annex I shall also apply.

### *Article 3*

#### **Ecodesign requirements**

1 Non-directional household lamps shall meet the ecodesign requirements set out in Annex II.

Each ecodesign requirement shall apply in accordance with the following stages:

Stage 1: 1 September 2009,

Stage 2: 1 September 2010,

Stage 3: 1 September 2011,

Stage 4: 1 September 2012,

Stage 5: 1 September 2013,

Stage 6: 1 September 2016.

Unless a requirement is superseded or this is otherwise specified, it shall continue to apply together with the other requirements introduced at later stages.

2 Starting from 1 September 2009:

For special purpose lamps, the following information shall be clearly and prominently indicated on their packaging and in all forms of product information accompanying the lamp when it is placed on the market:

a their intended purpose; and

b that they are not suitable for household room illumination.

The technical documentation file drawn up for the purposes of conformity assessment pursuant to Article 8 of Directive 2005/32/EC shall list the technical parameters (if any) that make the lamp design specific for the special purpose indicated on the packaging.

### *Article 4*

#### **Conformity assessment**

1 The conformity assessment procedure referred to in Article 8 of Directive 2005/32/EC shall be the internal design control system set out in Annex IV to that Directive or the management system set out in Annex V to that Directive.

2 For the purposes of conformity assessment pursuant to Article 8 of Directive 2005/32/EC, the technical documentation file shall contain a copy of the product information provided in accordance with Annex II, part 3, to this Regulation.

*Article 5***Verification procedure for market surveillance purposes**

When performing the market surveillance checks referred to in Article 3(2) of Directive 2005/32/EC, the authorities of the Member States shall apply the verification procedure described in Annex III to this Regulation for the requirements set out in Annex II to this Regulation.

*Article 6***Indicative benchmarks**

The indicative benchmarks for best-performing products and technology available on the market at the time of adopting this Regulation are identified in Annex IV.

*Article 7***Revision**

The Commission shall review this Regulation in light of technological progress no later than five years after the entry into force and present the result of this review to the Consultation Forum.

*Article 8***Entry into force**

This Regulation shall enter into force on the 20th day following its publication in the *Official Journal of the European Union*.

This Regulation shall be binding in its entirety and directly applicable in all Member States.

Done at Brussels, 18 March 2009.

*For the Commission*

Andris PIEBALGS

*Member of the Commission*