

SCHEDULE 3

Ecodesign requirements for light sources and separate control gears

Packaging

Light sources

- 6.—(1) Where a light source is placed on the market and is—
- (a) not in a containing product; and
 - (b) in packaging containing information to be visibly displayed at a point-of-sale prior to its purchase;

the information listed in sub-paragraph (2) must be clearly and prominently displayed on the packaging.

- (2) The information referred to in sub-paragraph (1) is—
- (a) the useful luminous flux (Φ_{use}), in a font at least twice as large as the display of the on-mode power (P_{on}), clearly indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°);
 - (b) the—
 - (i) correlated colour temperature, rounded to the nearest 100K, also expressed graphically or in words; or
 - (ii) range of correlated colour temperatures that can be set;
 - (c) the beam angle in degrees (for directional light sources), or the range of beam angles that can be set;
 - (d) electrical interface details (for example cap- or connector-type), type of power supply (for example 230 V AC 50 Hz, 12 V DC);
 - (e) the $L_{70}B_{50}$ lifetime for LED and OLED light sources, expressed in hours;
 - (f) the on-mode power (P_{on}), expressed in W;
 - (g) the standby power (P_{sb}), expressed in W and rounded to the second decimal, unless the value is zero, in which case it may be omitted;
 - (h) the networked standby power (P_{net}) for CLS, expressed in W and rounded to the second decimal, unless the value is zero in which case it may be omitted;
 - (i) the colour rendering index, rounded to the nearest integer, or the range of CRI-values that can be set;
 - (j) if $\text{CRI} < 80$, and the light source is intended for use in—
 - (i) outdoor applications;
 - (ii) industrial applications; or
 - (iii) other applications where lighting standards allow a $\text{CRI} < 80$;a clear indication to this effect, except for HID light sources with useful luminous flux $> 4,000$ lm, for which this indication is not mandatory;
 - (k) if the light source is designed for optimum use in non-standard conditions (such as ambient temperature $T_a \neq 25^\circ\text{C}$ or where specific thermal management is necessary), information on those conditions;
 - (l) a warning if the light source—
 - (i) cannot be dimmed; or

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- (ii) can be dimmed only with specific dimmers or with specific wired or wireless dimming methods;
and in the latter case a list of compatible dimmers and methods must be provided on the manufacturer's website;
- (m) if the light source contains mercury, a warning of this, including the mercury content in mg rounded to the first decimal place;
- (n) if the light source is—
 - (i) within the scope of the Waste Electrical and Electronic Equipment Regulations 2013⁽¹⁾, (without prejudice to the marking obligations in regulation 22 of those Regulations); or
 - (ii) contains mercury;a warning that it must not be disposed of as unsorted municipal waste.
- (3) Items listed in sub-paragraph (2)(a) to (d) must be displayed on the packaging in the direction intended to face the prospective buyer.
- (4) For light sources that can be set to emit light with different characteristics—
 - (a) the information referred to in sub-paragraph (2) must be provided for the reference control settings; and
 - (b) a range of obtainable values may also be indicated.
- (5) The information referred to in sub-paragraph (2) may be provided—
 - (a) in writing (which does not need to use the exact wording of the requirements in sub-paragraph (2));
 - (b) in the form of—
 - (i) graphs;
 - (ii) drawings; or
 - (iii) symbols; or
 - (c) any combination of the above.

Separate control gears

- 7.—(1) Where a separate control gear is placed on the market and is—
- (a) not in a containing product;
 - (b) in a packaging containing information to be visibly displayed at a point of sale, prior to their purchase;

the information listed in sub-paragraph (2) must be clearly and prominently displayed on the packaging.

- (2) The information referred to in sub-paragraph (1) is—
- (a) for HL, LED and OLED, the maximum output power of the control gear;
 - (b) for FL and HID, the power of the light source for which the control gear is intended;
 - (c) the type of light source for which the control gear is intended;
 - (d) the efficiency in full-load, expressed as a percentage;
 - (e) the—

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- (i) no-load power (P_{no}), expressed in W and rounded to the second decimal, unless the value is zero in which case this may be omitted; or
 - (ii) indication that the gear is not intended to operate in no-load mode;
 - (f) the standby power (P_{sb}), expressed in W and rounded to the second decimal, unless the value is zero in which case this may be omitted;
 - (g) where applicable, the networked standby power (P_{net}), expressed in W and rounded to the second decimal, unless the value is zero in which case this may be omitted;
 - (h) a warning if the control gear—
 - (i) is not suitable for dimming of light sources; or
 - (ii) can be used only with specific types of dimmable light sources or using specific wired or wireless dimming methods,and in the latter cases, detailed information on the conditions in which the control gear can be used for dimming must be provided on the manufacturer's or importer's website;
 - (i) a QR code or an internet address for a website—
 - (i) which is accessible to the public without charge; and
 - (ii) where full information on the control gear can be found;
- (3) The information referred to in sub-paragraph (2) may be provided—
- (a) in writing (which does not need to use the exact wording of the requirements in paragraph (2)); or
 - (b) in the form of—
 - (i) graphs;
 - (ii) drawings; or
 - (iii) symbols; or
 - (c) any combination of the above.
- (4) Where information is omitted from the packaging in accordance with sub-paragraph (2)(e), (f) or (g), the omitted information must be provided in the technical documentation and on the website of the manufacturer, authorised representative or importer.