



“the 2021 Regulations” means the Ecodesign for Energy-Related Products and Energy Information (Lighting Products) Regulations 2021(a).

### **Amendments to the 2021 Regulations**

2. The 2021 Regulations are amended in accordance with regulations [3 to 11].

### **Amendment of regulation 2 of the 2021 Regulations**

3. In regulation 2 (interpretation),—

(a) under the heading “Meaning of light source”, in paragraph (1), for the words “and meets the conditions specified in paragraph (3)” substitute “and can be verified as a light source according to the procedure in Schedule 2”.

(b) omit paragraph (3) (conditions of a light source);

(c) in paragraph (10)—

(i) after the definition of “incandescence” insert—

““lamp”—

(a) means a unit whose performance can be assessed independently and which consists of one or more light sources, and

(b) includes additional components necessary for starting, power supply or stable operation of the unit or for distributing, filtering or transforming the optical radiation, where those components cannot be removed without permanently damaging the unit;”;

(ii) after the definition of “light” insert—

““luminaire” means a product which—

(a) distributes, filters or transforms the light transmitted from one or more lamps and includes all the parts necessary for supporting, fixing and protecting the lamps and, where necessary, circuit auxiliaries together with the means for connecting them to the electric supply,

(b) has the primary purpose of lighting, and

(c) is dependent on energy input in fulfilling its primary purpose.

“luminous efficacy” or “lm/W” means lumens per watt, which is the ratio of luminous flux to one watt of electricity;”;

(iii) after the definition of “separate control gear” insert—

““Tier 1 period” means the period beginning with [15th November] 2023 and ending at the end of 31 August 2027;

“Tier 2 period” means the period beginning with 1 September 2027.”.

### **Amendment of regulation 3 of the 2021 Regulations**

4. In regulation 3 (application), in paragraphs (1) and (2), after “Chapter”, in both places it occurs, insert “, except the provisions specified in regulation 3A(1) (application of the Tier 1 period) and regulation 3B(1) (application of the Tier 2 period),”.

### **Insertion of regulation 3A and 3B into the 2021 Regulations**

5. After regulation 3 (application) insert—

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(a) S.I. 2021/1095, to which there are amendments not relevant to these Regulations.

### **“Application of the Tier 1 period**

**3A.**—(1) This regulation applies to the following provisions in Schedule 3 (ecodesign requirements for light sources and separate control gears)—

- (a) paragraph 1A(1)(a) (light sources: minimum luminous efficacy: Tier 1 period**(a)**);
- (b) paragraphs 1A(2)(a) and (3) (light sources: minimum luminous efficacy: Tier 1 period: allowances).

(2) Subject to regulation 5, the provisions specified in paragraph (1) apply to light sources placed on the market or put into service in the Tier 1 period, including light sources placed on the market or put into service in a containing product.

### **Application of the Tier 2 period**

**3B.**—(1) This regulation applies to the following provisions in Schedule 3 (ecodesign requirements for light sources and separate control gears)—

- (a) paragraph 1A(1)(b) (light sources: minimum luminous efficacy: Tier 2 period**(b)**);
- (b) paragraphs 1A(2)(b) and (3) (light sources: minimum luminous efficacy: Tier 2 period: allowances).

(2) Subject to regulation 5, the provisions in paragraph (1) apply to light sources placed on the market or put into service in the Tier 2 period, including light sources placed on the market or put into service in a containing product.”.

### **Amendment of regulation 4 of the 2021 Regulations (ecodesign requirements)**

**6.** In regulation 4 (ecodesign requirements), after paragraph (2), insert—

“(3) For the purposes of regulation 22(7)(c)(iii) of the 2010 Regulations, the following paragraphs in Part 1 of Annex 1 to the Directive 2009/125/EC, read subject to the modifications in regulation 23(1)(a) and (b) of the 2010 Regulations, contain the ecodesign parameters, for a light source or separate control gear, to which no ecodesign requirement is necessary in these Regulations—

- (a) paragraph 1.3(a) (weight and volume of the product);
- (b) paragraph 1.3(b) (use of materials issued from recycling activities);
- (c) paragraph 1.3(e) (quantity and nature of consumables needed for proper use and maintenance);
- (d) paragraph 1.3(g) (incorporation of used components);
- (e) Paragraph 1.3(j) (amounts of waste generated and amounts of hazardous waste generated);
- (f) Paragraph 1.3(k) (emissions to air (greenhouse gases, acidifying agents, volatile organic compounds, ozone depleting substances, persistent organic pollutants, heavy metals, fine particulate and suspended particulate matter) without prejudice to EUR 2016/1628;
- (g) Paragraph 1.3(l) (emissions to water (heavy metals, substances with an adverse effect on the oxygen balance, persistent organic pollutants));
- (h) Paragraph 1.3(m) (emissions to soil (especially heavy leakage and spills of dangerous substances during the use phase of the product, and the potential for leaching upon its disposal as waste)).

(4) For the purposes of paragraph (3)—

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- (a) The definition of “Tier 1 period” is inserted into regulation 2(10) of S.I. 2021/1095 by regulation [3(c)] of these Regulations.
  - (b) The definition of “Tier 2 period” is inserted into regulation 2(10) of S.I. 2021/1095 by regulation [3(c)] of these Regulations.

“Directive 2009/125/EC” means Directive 2009/125/EC of the European Parliament and of the Council of 21 October 2009 establishing a framework for the setting of ecodesign requirements for energy related products(a) as it had effect immediately before IP completion day(b).

“EUR 2016/1628” means Regulation (EU) 2016/1628 of the European Parliament and of the Council of 14 September 2016 on requirements relating to gaseous and particulate pollutant emission limits and type-approval for internal combustion engines for non-road mobile machinery, amending Regulations (EU) No 1024/2012 and (EU) No 167/2013, and amending and repealing Directive 97/68/EC(c).”.

### **Amendment of regulation 18 of the 2021 Regulations**

7. In regulation 18 (review), in paragraph (1), for “1st October 2026” substitute “31st December 2029”.

### **Amendment of regulation 22 of the 2021 Regulations**

8. In regulation 22 (transitional and saving provisions in connection with ecodesign requirements), after paragraph (2) insert—

“(2A) Paragraph 1 of Schedule 3 (ecodesign requirements for light sources: energy efficiency requirements) continues to have effect (in so far as applicable and notwithstanding its revocation) in relation to a light source which is placed on the market or put into service in the period beginning with 1st October 2021 and ending at the end of [14th November] 2023.”.

### **Amendment of Schedule 1 to the 2021 Regulations**

9. In Schedule 1 (interpretation) after the definition of “displacement factor” insert—

““domestic directional light source” (“DDLS”) means any directional light source(d) with luminous flux  $\leq$  450 lumens;

“domestic non-directional light source” (“DNDLS”) means any non-directional light source(e) with luminous flux  $\leq$  1200 lumens;”;

### **Amendment of Schedule 3 to the 2021 Regulations**

10. In Schedule 3 (ecodesign Requirements for light sources and separate control gears)—

(a) omit paragraph 1 (energy efficiency requirements: light sources) [including Tables 2 and 3];

(b) after paragraph 1 insert—

“*Light Sources*

*Minimum luminous efficacy*

**1A.**—(1) Except where sub-paragraph (2) applies, light sources(f) must have a minimum luminous efficacy(g)—

(a) for the Tier 1 period, of 120 lm/W;

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- (a) OJ No. L 285, 31.10.2009, p. 10, as amended by Directive 2012/27/EU of the European Parliament and of the Council of 25 October 2012 on energy efficiency (OJ No. L 315, 14.11.2012, p. 1).
- (b) “IP completion day” is defined in Schedule 1 to the Interpretation Act 1978 (c. 30).
- (c) EUR 2016/1628, as amended by S.I. 2019/648; EUR 2020/1040; and S.I. 2020/1393.
- (d) The term “directional light source” is defined Schedule 1 of S.I. 2021/1095.
- (e) The term “non-directional light source” is defined Schedule 1 of S.I. 2021/1095.
- (f) The term “light source” is defined in regulation 2 of S.I. 2021/1095, as amended by regulation [3(a) and (b)] of these Regulations.
- (g) The definition of “luminous efficacy” is inserted into regulation 2 of S.I. 2021/1095 by regulation [3(c)] of these Regulations.

- (b) for the Tier 2 period, of 140 lm/W.
- (2) Subject to sub-paragraph (3), light sources, specified in column 1 of Table 2, must have a minimum luminous efficacy—
  - (a) for the Tier 1 period, of 120 lm/W less any one or more allowance, specified in column 2 of Table 2, that applies to the light source;
  - (b) for the Tier 2 period, of 140 lm/W less any one or more allowance, specified in column 2 of Table 2, that applies to the light source.
- (3) Sub-paragraph (2) does not apply to a light source,—
  - (a) in a luminaire(a), where the light source cannot be removed for verification as a light source;
  - (b) in a containing product(b), where—
    - (i) the containing product is a luminaire, and
    - (ii) the luminaire can be taken apart to allow separate verification of the contained light source;
  - (c) within the meaning of regulation 2(6) (a light emitting device which is intended to be used directly in a LED(c) luminaire).

*Additional requirements*

- (4) Subject to the exemptions in paragraph 3(3) of Schedule 4 (limited exemptions)—
  - (a) the standby power (“P<sub>sb</sub>”)(d) of a light source must not exceed 0.5 watts;
  - (b) for a connected light source(e)—
    - (i) the networked standby power (“P<sub>net</sub>”)(f) must not exceed 0.5 watts;
    - (ii) the allowable values for P<sub>sb</sub> and P<sub>net</sub> must not be added together.

**Table 2**

**Allowances**

<i>Light source</i>	<i>Allowance (in lm/W)</i>
A mains light source (MLS)(g) that is also a domestic directional light source (DDL)(h)	20
A mains light source (MLS) that is also a domestic non-directional light source (DNDLS)(i)	20
A directional light source (DLS)(j)	10
A light source that has a colour-rendering index (“CRI”)(k) ≥93	10
A low lumen (≤400 lm) light source	10
A connected light source (CLS)(l)	5
A light source with a correlated colour temperature (CCT [K])(a) of ≤2000	5”.

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- (a) The definition of a “luminaire” is inserted into regulation 2(10) of S.I. 2021/1095 by regulation [3(c)] of these Regulations.
  - (b) The term “containing product” is defined in regulation 2 of S.I. 2021/1095.
  - (c) The term “LED” is defined in regulation 2 of S.I. 2021/1095.
  - (d) The term “standby power” is defined in Schedule 1 of S.I. 2021/1095.
  - (e) The term “connected light source” (“CLS”) is defined in Schedule 1 of S.I. 2021/1095.
  - (f) The term “networked standby power” is defined Schedule 1 of S.I. 2021/1095.
  - (g) The term “mains light source” (“MLS”) is defined in Schedule 1 of S.I. 2021/1095.
  - (h) The definition of a “domestic directional light source” is inserted into Schedule 1 to S.I. 2021/1095 by regulation [9] of these Regulations.
  - (i) The definition of a “domestic non-directional light source” is inserted into Schedule 1 to S.I. 2021/1095 by regulation [9] of these Regulations.
  - (j) The term “directional light source” (“DLS”) is defined Schedule 1 of S.I. 2021/1095.
  - (k) The term “colour-rendering index” (“CRI”) is defined in regulation 2 of S.I. 2021/1095.
  - (l) The term “connected light source” (“CLS”) is defined in Schedule 1 of S.I. 2021/1095.

### **Amendment of Schedule 4 to the 2021 Regulations**

- 11.** In Schedule 4 (exemptions from ecodesign requirements)—
- (a) in paragraph (2) (additional exemptions), omit sub-paragraph (a) (double-capped fluorescent T5 light source with Power P =13 W);
  - (b) in paragraph (3) (limited exemptions)—
    - (i) in sub-paragraph (2)(p), for the words “upon presentation of a medical prescription” substitute “upon self-declaration, orally or in writing, as a photosensitive patient**(b)**”;
    - (ii) in sub-paragraph (3), for the words “in paragraphs 1 and 2 of Schedule 3” substitute “in paragraphs 1A and 2 of Schedule 3”.

### **Amendments to the 2010 Regulations**

- 12.** The 2010 Regulations are amended in accordance with regulations [13 to 15].

### **Amendment of regulation 20C of the 2010 Regulations**

*[Note: this amendment remains subject to commencement of the Product Safety and Metrology (Amendment and Transitional Provisions) Regulations 2022]*

- 13.** In regulation 20C (expiry of regulation 20B)(c)—
- (a) in paragraph (1), for “paragraph (2)” substitute “paragraphs (1A) and (2)”;
  - (b) after paragraph (1) insert—

“(1A) Regulation 20B ceases to have effect at the end of [14th November 2023] in relation to light sources within the meaning of regulation 2 (interpretation) of the Ecodesign for Energy-Related Products and Energy Information (Lighting Products) Regulations 2021(d).”.

### **Amendment of Schedule 1 to the 2010 Regulations**

- 14.** In Schedule 1 (declaration of conformity), in paragraph 4, for item 16 in the table (light sources and separate control gears) substitute—

“16	Light sources and separate control gears	The Ecodesign for Energy-Related Products and Energy Information (Lighting Products) Regulations 2021 as amended by The Ecodesign for Energy-Related Products and Energy Information (Lighting Products) (Amendment) Regulations 2023(e).”.]
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(a) The term “correlated colour temperature” (“CCT [K]”) is defined in Schedule 1 of S.I. 2021/1095.  
(b) The term “photosensitive patient” is defined in Schedule 1 of S.I. 2021/1095.  
(c) Regulation 2(C) of S.I. 2010/1617 was inserted by S.I. 2019/539, Schedule 1, paragraph 11 and amended by S.I. 2021/1273, Schedule 1, paragraph 1(e) and S.I. 2022/[TBC-insert number for the Product Safety and Metrology (Amendment and Transitional Provisions) Regulations 2022], regulation 2 and Schedule 1, paragraph (e).  
(d) S.I. 2021/1095, relevant amending instruments are S.I. 2023/[registrar to insert number of this S.I.].  
(e) S.I. 2023/[tbc by Registrar]

## **Application, transitional and saving provision in connection with amendment of Schedule 1 to the 2010 Regulations**

15. Regulation 14 (amendment of Schedule 1 to 2010 Regulations: declaration of conformity) does not have effect in relation to a light source which—

- (a) is placed on the market or put into service before the Tier 1 period; or
- (b) falls within regulation 3A(3) of the 2021 Regulations (application for the Tier 1 period: exemption)(a).

*Name*  
Parliamentary Under Secretary of State

Date Department for Business, Energy and Industrial Strategy

### **EXPLANATORY NOTE**

*(This note is not part of the Regulations)*

These Regulations amend: the Ecodesign for Energy-Related Products and Energy Information (Lighting Products) Regulations 2021(S.I. 2021/1095) (“2021 Regulations”); and the Ecodesign for Energy-Related Products Regulations 2010 (S.I. 2010/2617) (“2010 Regulations”)

#### *Amendments to the 2021 Regulations*

The 2021 Regulations specify ecodesign requirements for light sources and separate control gears, and energy labelling requirements for light sources. The ecodesign requirements are an implementing measure for the purposes of the 2010 Regulations.

Regulations [2, 3(c), 5, 9 and 10] amend the 2021 Regulations to change the energy efficiency requirements for light sources. They create new requirements for the minimum luminous efficacy of light sources, including light sources in a containing product, that are placed in the market or put into service. There are different requirements during the Tier 1 Period (beginning with [15th November] 2023 and ending at the end of 31st August 2027) and Tier 2 Period (beginning on 1st September 2027). The requirements also differ depending on the type of light source. Regulation [8] makes saving and transitional provision for a light source placed on the market or put into service in the period beginning with 1st October 2021 and ending at the end of [14th November] 2023.

Regulations [3(a) and (b), 6, 7 and 11] make miscellaneous and consequential amendments. Regulations [3(a) and (b)] remove a redundant condition for a light source. Regulation 6 confirms the ecodesign parameters relating to which no ecodesign requirement in the 2021 Regulations is necessary. Regulation [7] extends the statutory review deadline for the 2021 Regulations to 31st December 2029. Regulation [11]: removes an exemption from eco-design requirements that; is no longer required; amends the exemption for light sources provided specifically for use by photosensitive patients; and makes a consequential amendment.

#### *Amendments to the 2010 Regulations*

Regulation 13 amends the 2010 Regulations so that the extension of the period during which certain obligations are met by complying with EU obligations does not apply to light sources.

Regulation [14] amends Schedule 1 to 2010 Regulations (declaration of conformity) so that the declaration confirms compliance with the 2021 Regulations as amended by these Regulations. Regulation [15] makes application, saving and transitional provision for that amendment.

A full impact assessment of the effect that this instrument will have on the costs of business and the voluntary sector is available from the Department for Business, Energy and Industrial Strategy

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(a) Regulation 3A(3) is inserted into S.I. 2021/1095 by regulation [5] of these Regulations.

at 1 Victoria Street, London, SW1H 0ET and is published with the Explanatory Memorandum alongside the instrument on [www.legislation.gov.uk](http://www.legislation.gov.uk).