

Texte zu EU-Regelungen zur umweltgerechten Produktgestaltung und zur Energieverbrauchskennzeichnung in der Beleuchtung – Zusammenstellung <sup>[1]</sup> des Umweltbundesamtes (UBA), Deutschland



Entwürfe vom November 2020  
von Regelungsausschuß und Fachgespräch

**Entwurf für eine Änderungsverordnung zur  
Produktinformation bei Beleuchtungsprodukten  
und weiteren Produktgruppen**

– Arbeitshilfe: Textauszüge zu Beleuchtungsprodukten  
mit ergänztem Inhaltsverzeichnis –

*Hinweis: Bitte beachten Sie, daß der angehängte Text nur in Englisch verfaßt ist.*

**EN:** Information on EU Lighting Regulations – Ecodesign and Energy Labelling –  
Compilation <sup>[1]</sup> of the Federal Environment Agency (UBA), Germany

Drafts of November 2020  
from Regulatory Committee and Technical Expert Meeting

**Draft for an amending regulation on product information for lighting  
products and other product groups**

– Extract concerning light sources (reg. 2019/2015/EU) –

**FR:** Informations sur réglementations de l'UE concernant l'éclairage – l'écoconception et  
l'étiquetage énergétique – Compilation <sup>[1]</sup> de l'Agence Fédérale de l'Environnement  
(UBA), Allemagne

Projets du novembre 2020  
du comité de réglementation et de la réunion d'experts technique

**Projet pour une modification du règlement concernant les informations sur  
les produits pour des produits d'éclairage et autres groupes de produits**

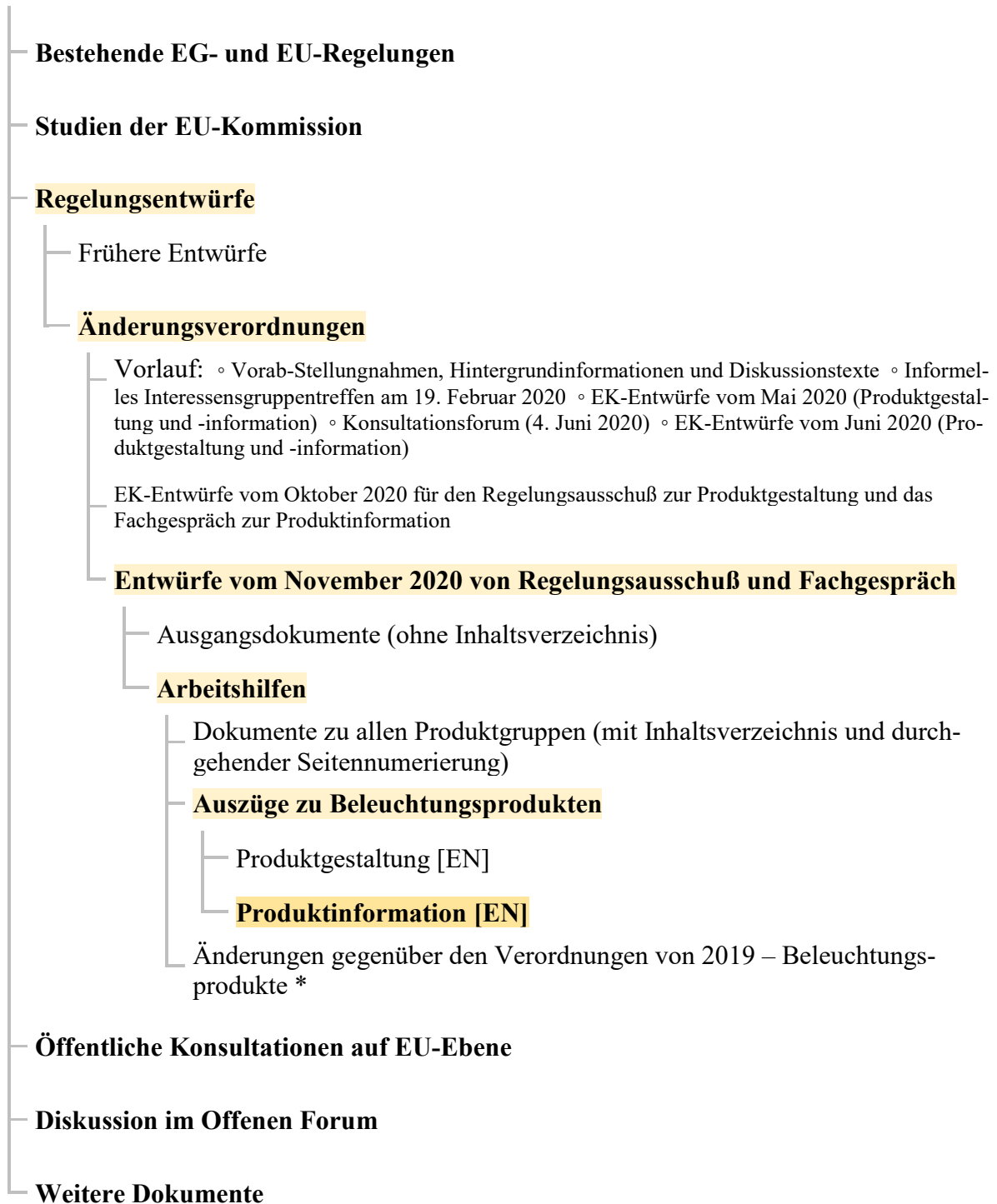
– Extrait concernant les produits d'éclairage (R. 2019/2015/UE) –

*Indication : Veuillez noter que le présent texte n'est disponible qu'en anglais.*

<sup>[1]</sup> <https://www.eup-network.de/de/eup-netzwerk-deutschland/offenes-forum-eu-regelungen-beleuchtung/dokumente/texte/>

Texte im Offenen Forum

(abc = vorliegender Text)



\* Stand 26. November 2020: Dieser Text steht noch nicht zur Verfügung.

**Documents in the Open Forum**

**(abc = text at hand)**

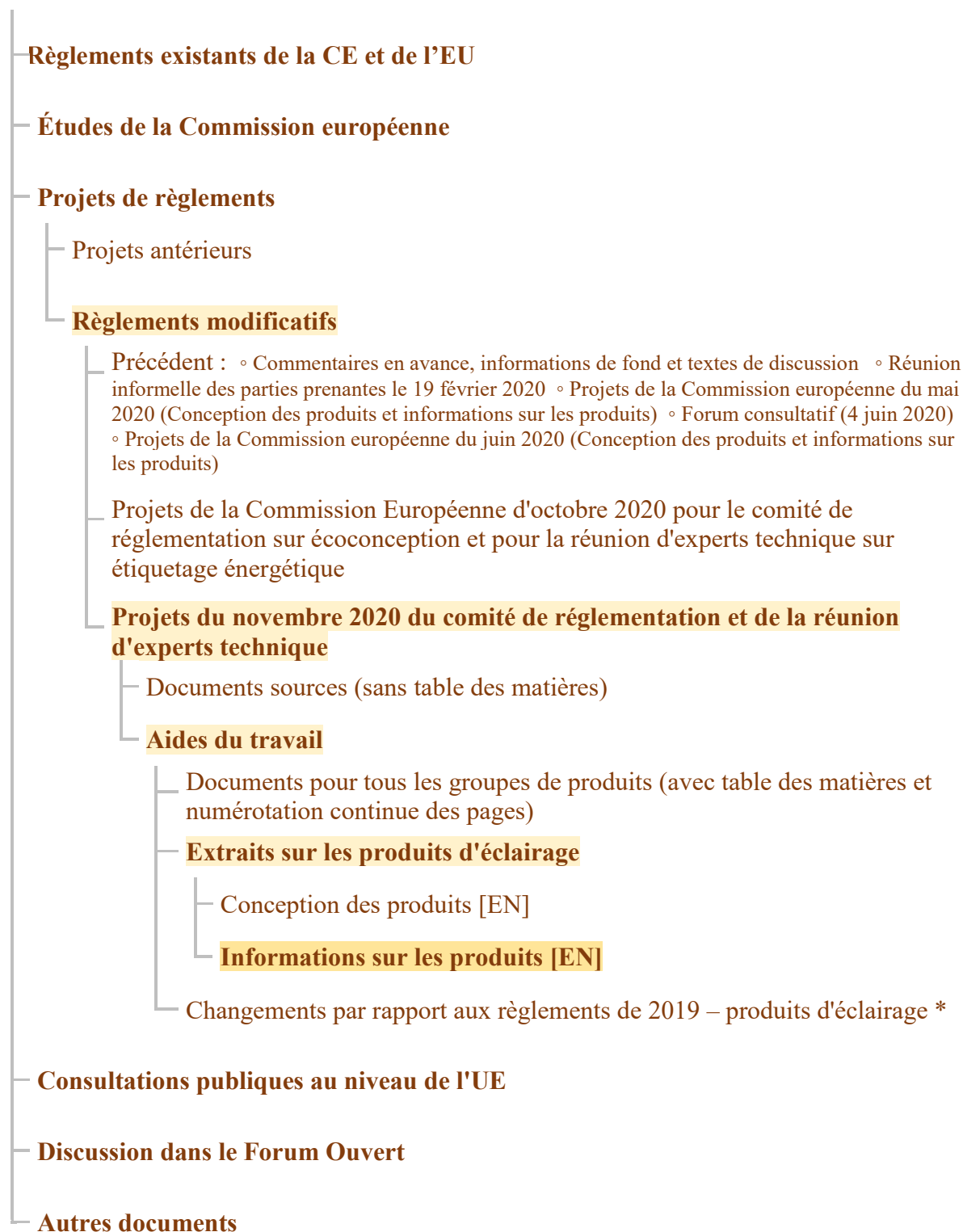


\* Status as of 26 November 2020: This text is not yet available.

Abbreviations: ● EC = European Communities ● EU = European Union

## Documents dans le forum ouvert

(abc = présent document)



\* État au 26 novembre 2020 : Ce texte n'est pas encore disponible.

Abréviations : ● CE = Communauté européenne ● UE = Union européenne

---

Es folgt ein unveränderter Originaltext.

**EN:** The following is an unmodified original text.

**FR:** Ce qui suit est un texte original.

---



Offenes Forum EU-Regelungen zur Beleuchtung:  
**Entwürfe vom November 2020**  
von **Regelungsausschuß und Fachgespräch:**  
**Produktinformation – Auszug zu Beleuchtungsprodukten**  
– Arbeitshilfe von Christoph Mordziol, UBA –

**EN:**

Open Forum EU Policies on Lighting:  
**Drafts of November 2020**  
from **Regulatory Committee and Technical Expert Meeting:**  
**Product Information – Extract on lighting products**  
— Working aid by Christoph Mordziol, UBA —

**FR :**

Forum ouvert sur la politique européenne de l'éclairage :  
**Projets du novembre 2020**  
**du comité de réglementation et de la réunion d'experts technique :**  
**Information sur les produits – Extrait sur les produits d'éclairage**  
— Aide de travail par Christoph Mordziol, UBA —

Die hier wiedergegebene Meinung muß nicht zwingend mit der Meinung des Umweltbundesamtes übereinstimmen. Bei Übersetzungen handelt es sich, sofern nicht anders gekennzeichnet, um nicht-autorisierte Übersetzungen, die aus Ingenieurssicht erstellt wurden. ◇ **EN:** This paper does not necessarily reflect the opinion or the policies of the German Federal Environment Agency. Unless otherwise indicated, translations are unauthorized translations that have been prepared from an engineering perspective. ◇ **FR :** L'opinion reproduite ici ne doit pas nécessairement coïncider avec l'avis de l'Agence Fédérale de l'Environnement. Sauf indication contraire, les traductions sont des traductions non autorisées qui ont été préparées dans une perspective d'ingénierie.

## **Inhaltsverzeichnis**

<b>Vorbemerkungen.....</b>	<b>3</b>
<b>Auszug zu Beleuchtungsprodukten, das heißt zur Verordnung 2019/2015/EU .....</b>	<b>5</b>
<b>Anhang .....</b>	<b>25</b>
<b>Kontaktdaten .....</b>	<b>25</b>

---

## **EN: Contents list**

<b>Preliminary remarks.....</b>	<b>3</b>
<b>Extract on lighting products, i.e. on Regulation 2019/2015/EU .....</b>	<b>5</b>
<b>Annex .....</b>	<b>25</b>
<b>Contact data.....</b>	<b>25</b>

---

## **FR : Table des matières**

<b>Remarques préliminaires .....</b>	<b>3</b>
<b>Extrait sur les produits d'éclairage, c'est-à-dire le Règlement 2019/2015/UE .....</b>	<b>5</b>
<b>Annexe .....</b>	<b>25</b>
<b>Cordonnées.....</b>	<b>25</b>

---



## Vorbemerkungen ◇ Preliminary remarks ◇ Remarques préliminaires

Am 10. November 2020 verhandelten die EU-Mitgliedstaaten im Regelausschuss abschließend über einen Entwurf der EU-Kommission für eine Verordnung zur Änderung einer Reihe bestehender Verordnungen <sup>[1]</sup> und stimmten dem Ergebnis am 11. November 2020 mehrheitlich zu. Am 20. November veröffentlichte die EU-Kommission das Ergebnis <sup>[2]</sup>. Zum voraussichtlich 4. Dezember 2020 wird der Verordnungstext EU-Rat- und -Parlament vorgelegt, die drei Monate Zeit für eine Prüfung haben. Erheben sie keine Einwände, wird die Änderungsverordnung im EU-Amtsblatt veröffentlicht.

Ein Teil der Änderungen betrifft die Verordnung 2019/2020/EU <sup>[3]</sup> zur umweltfreundlichen Gestaltung von Beleuchtungsprodukten. Die vorliegende Arbeitshilfe gibt die Teile der Änderungsverordnung wieder, die die genannte Verordnung zu Beleuchtungsprodukten betreffen.

On 10 November 2020, the EU Member States finally negotiated in the Regulatory Committee on a draft of the EU Commission for a regulation amending a number of existing regulations <sup>[1]</sup> and approved the result by a majority on 11 November 2020. On 20 November, the Commission published the outcome <sup>[2]</sup>. The text of the regulation is expected to be presented to the EU Council and Parliament on 4 December 2020, which will have three months to consider it. If they raise no objections, the amending Regulation will be published in the EU's Official Journal.

Part of the amendments concerns Regulation 2019/2020/EU <sup>[3]</sup> on the environmentally friendly design of lighting products. The present working aid reflects the parts of the amendment regulation that relate to the aforementioned regulation on lighting products.

---

<sup>1</sup> [https://www.eup-network.de/fileadmin/user\\_upload/Lichtquellen\\_EK\\_2020\\_10\\_06\\_PG.pdf](https://www.eup-network.de/fileadmin/user_upload/Lichtquellen_EK_2020_10_06_PG.pdf)

<sup>2</sup> [https://ec.europa.eu/info/sites/info/files/energy\\_climate\\_change\\_environment/draft\\_act\\_annexes\\_-\\_ed\\_omnibus\\_lw\\_-\\_after\\_vote\\_clean\\_-\\_dsclaimer.pdf](https://ec.europa.eu/info/sites/info/files/energy_climate_change_environment/draft_act_annexes_-_ed_omnibus_lw_-_after_vote_clean_-_dsclaimer.pdf)

<sup>3</sup> **DE:** [https://www.eup-network.de/fileadmin/user\\_upload/Lichtquellen\\_VO\\_2019\\_2020\\_EU\\_kons\\_200224\\_DE.pdf](https://www.eup-network.de/fileadmin/user_upload/Lichtquellen_VO_2019_2020_EU_kons_200224_DE.pdf)

**EN:** [https://www.eup-network.de/fileadmin/user\\_upload/Lichtquellen\\_VO\\_2019\\_2020\\_EU\\_kons\\_200224\\_EN.pdf](https://www.eup-network.de/fileadmin/user_upload/Lichtquellen_VO_2019_2020_EU_kons_200224_EN.pdf)

**FR :** [https://www.eup-network.de/fileadmin/user\\_upload/Lichtquellen\\_VO\\_2019\\_2020\\_EU\\_kons\\_200224\\_FR.pdf](https://www.eup-network.de/fileadmin/user_upload/Lichtquellen_VO_2019_2020_EU_kons_200224_FR.pdf)

**Gestaltung des Auszuges:**

- Die wiedergegebenen Textteile sind unverändert.
- Ausgelassene Textteile sind durch (...) gekennzeichnet.
- Den wiedergegebenen Textteilen sind die selben Seitenzahlangaben vorangestellt, die auch in der vom Herausgeber erstellten Arbeitshilfe mit ergänztem Inhaltsverzeichnis und durchgehender Seitennumerierung zu finden sind <sup>[4]</sup>. Dies ist im folgenden beispielhaft gezeigt:

**Design of the extract:**

- The parts of the text reproduced are unchanged.
- Omitted parts of the text are marked with (...).

The reproduced parts of the text are preceded by the same page numbers as those given in the work aid prepared by the editor, which includes an additional table of contents and continuous page numbering <sup>[4]</sup>. This is shown in the following example:



---

<sup>4</sup> [https://www.eup-network.de/fileadmin/user\\_upload/Lichtquellen\\_Arbeitshilfe\\_02t09.pdf](https://www.eup-network.de/fileadmin/user_upload/Lichtquellen_Arbeitshilfe_02t09.pdf)

**Auszug zu Beleuchtungsprodukten, das heißt zur Verordnung  
2019/2015/EU** ◇ **Extract on lighting products, i.e. on Regulation  
2019/2015/EU** ◇ **Extrait sur les produits d'éclairage, c'est-à-dire  
le Règlement 2019/2015/UE**

Please note: A term such as "Annex 1" may refer to both Annex I of the amending Regulation and Annex I of the Regulation being amended. In order to avoid misunderstandings in the table of contents, information relating to the amending Regulation is therefore set in black letters and information relating to a Regulation to be amended in blue letters. Example:

<b>ANNEX I</b>	.....	<b>12/66</b>
(1) <b>Annex I</b>	.....	12/66

Explanatory Memorandum.....	2/66
1. Context of the Delegated Act .....	2/66
2. Consultation prior to the Adoption of the Act .....	2/66
3. Legal Elements of the Delegated Act .....	3/66
Legal basis.....	3/66
Subsidiarity principle .....	3/66
Proportionality principle .....	3/66
Choice of instrument .....	4/66
– Budgetary Implication .....	4/66
– Additional Information .....	4/66
Review/revision/sunset clause .....	4/66
European Economic Area .....	4/66
Recitals.....	5/66

(...)

Article 3 – Amendments to Delegated Regulation (EU) 2019/2015.....	7/66
(1) <b>Article 2, point (3) – containing product</b> .....	7/66
(2) <b>Article 3(1)</b> .....	8/66
(a) <b>Paragraph 1, point (b)</b> .....	8/66
(b) <b>Paragraph 1, point (i)</b> .....	8/66
(c) <b>Paragraph 1a</b> .....	8/66
(3) <b>Article 4, point (e)</b> .....	8/66
(4) <b>Article 10, paragraph 2</b> .....	8/66
(5) <b>Annexes I, III, IV, V, VI and IX (→ ANNEX III)</b> .....	8/66

(...)

Article 7 – Entry into force and application ..... 10/66

(...)

ANNEX III ..... 39/66

(1) Annex I, point (42) – declared value ..... 39/66

(2) Annex III ..... 39/66

(a) Third paragraph of point 1 ..... 39/66

(b) Point 2.3 (e), bullet 6 ..... 39/66

(3) Annex IV ..... 39/66

(a) Point (1), point (a) ..... 39/66

(b) Point (3), point (1) ..... 39/66

(c) Point (4) ..... 39/66

(4) Annex V ..... 39/66

(a) Table 3 – Product information sheet ..... 39/66

(b) Table 7 – Equivalence claims for non-directional light sources ..... 43/66

(5) Annex VI ..... 43/66

(a) Point (1), point (e) ..... 43/66

(b) Point (2) ..... 44/66

(6) Annex IX ..... 44/66

(a) First paragraph ..... 44/66

(b) Third paragraph ..... 45/66

(c) Point (1), second paragraph ..... 45/66

(d) Point (3) ..... 45/66

(e) Table 9 – Verification tolerances ..... 45/66

(...)



EUROPEAN  
COMMISSION

Brussels, **XXX**  
[...](2020) **XXX** draft

**COMMISSION DELEGATED REGULATION (EU) .../...**

**of **XXX****

**amending Delegated Regulations (EU) 2019/2013, (EU) 2019/2014, (EU) 2019/2015, (EU) 2019/2016, (EU) 2019/2017 and (EU) No 2019/2018 with regard to energy labelling requirements for electronic displays, household washing machines and household washer-dryers, light sources, refrigerating appliances, household dishwashers, and refrigerating appliances with a direct sales function**

(Text with EEA relevance)

*This draft has not been adopted or endorsed by the European Commission. Any views expressed are the preliminary views of the Commission services and may not in any circumstances be regarded as stating an official position of the Commission.*

## 1. CONTEXT OF THE DELEGATED ACT

In December 2019, the Commission adopted a package of energy labelling and ecodesign regulations imposing new labelling obligations for electronic displays, light sources, household washing machines and household washer-dryers, household dishwashers, refrigerating appliances and refrigerating appliances with a direct sales function.

One of the main changes from the previous energy labelling regulations on such products was to ‘rescale’ the label. In accordance with Article 11 of the Framework Regulation<sup>1</sup>, product-specific delegated acts require suppliers to provide rescaled labels with products as of 1 November 2020 (i.e. 4 months before 1 March 2021, the main date of application, which is also the start of the 15-day ‘change-over’ period from the old to the new labels). Also from 1 November 2020, suppliers must enter the parameters of the product information sheet in the product database.

Following the publication of the new regulations in December 2019, it became clear that there were discrepancies between the wording of the different regulations.

These differences concern in particular the references to technical parameters and declared values, and how these affect what must be included in the technical documentation, what must be uploaded in the product database and to what the verification tolerances in each regulation should apply.

The Commission therefore proposes to add a definition of declared values, as well as to amend the annexes on technical documentation to make it clear that declared values should be included. Other technical amendments are also introduced to correct clerical errors, improve accuracy, clarify measurements and make technical adaptations to some parameters. These amendments will help ensure consistency with the ecodesign regulations on the same products.

Further minor technical amendments are proposed to improve accuracy, consistency and cross-referencing.

## 2. CONSULTATIONS PRIOR TO THE ADOPTION OF THE ACT

A stakeholder meeting was held on 12 February 2019 with representatives of industry, in particular electrical appliance manufacturers, Member States and European consumer and environmental NGOs.

The draft Regulation was discussed at a meeting of the Consultation Forum on 4 June 2020, after which written comments were submitted by 11 Member States, two environmental associations, one consumer association and 13 associations representing industry sectors. These were taken into account to the extent possible.

As the amendments proposed in this Regulation are considered minor, no impact assessment has been undertaken.

---

<sup>1</sup> Regulation (EU) 2017/1369 of the European Parliament and of the Council of 4 July 2017 setting a framework for energy labelling and repealing Directive 2010/30/EU (OJ L 198, 28.7.2017, p. 1).

### 3. LEGAL ELEMENTS OF THE DELEGATED ACT

Commission Delegated Regulation (EU) 2019/2013 on the energy labelling of electronic displays is amended by adding, a definition of declared values, amending Annex VI on 'technical documentation and adding a new provision related to transitional methods.

Commission Delegated Regulation (EU) 2019/2014 on the energy labelling of household washing machines and household washer-dryers is amended by adding a definition of declared values and technical clarifications in Annex IV on measurement methods and calculations, Annex V on the product information sheet, Annex VI on technical documentation, Annex VIII on the information to be provided in the case of distance selling through the internet and Annex IX on the verification procedure for market surveillance purposes.

Commission Delegated Regulation (EU) 2019/2015 on the energy labelling of light sources is amended by amending the definition of declared values, amending Annex II to clarify the size of the labels, clarifying the exemptions in Annex IV, making minor changes to the product information sheet table in Annex V and the technical documentation in Annex VI, and amending Annex IX (verification tolerances).

Commission Delegated Regulation (EU) 2019/2016 on the energy labelling of refrigerating appliances is amended by adding a definition of declared values, amending Annex IV (measurement methods and calculations), replacing the product information sheet table in Annex V and amending Annexes VI (technical documentation) and IX (verification tolerances).

Commission Delegated Regulation (EU) 2019/2017 on the energy labelling of household dishwashers is amended by adding a definition of declared values. Amendments are made to Annex II, Annex IV on measurement methods and calculations, Annex V on the product information sheet, Annex VI on technical documentation and Annex IX on the verification procedure for market surveillance purposes are amended with technical clarifications.

Commission Delegated Regulation (EU) 2019/2018 on the energy labelling of refrigerating appliances with a direct sales function is amended by adding a definition of declared values, and amending Annexes III (label), V (product information sheet), VI (technical documentation) and IX (verification tolerances)

The amendments will take effect 2 months after the proposed Regulation enters into force, in order to give economic operators time to adapt.

#### **Legal basis**

The Regulation implements the Energy Labelling Framework Regulation (EU) 2017/1369, in particular its Article 11(5) and Article 16. The Regulation is based on Article 194(2) of the Treaty on the Functioning of the European Union.

#### **Subsidiarity principle**

The adoption of varying energy labelling measures by individual Member States would create obstacles to the free movement of goods within the EU. Such measures (and any amendments

to them) must therefore have the same content throughout the EU. In line with the principle of subsidiarity, it is thus appropriate for this measure to be adopted at EU level.

### **Proportionality principle**

↳ ----- 4/66 ----- ↳

In accordance with the principle of proportionality, this measure does not go beyond what is necessary to achieve the objective. It clarifies existing requirements in order to improve their application.

### **Choice of instrument**

The proposed form of action is an amending Commission Regulation, because only by amending the Commission Regulations adopted under the Energy Labelling Framework Regulation (EU) 2017/1369 can requirements be fully harmonised throughout the EU.

### **BUDGETARY IMPLICATION**

The proposal has no implications for the EU budget.

### **ADDITIONAL INFORMATION Review/revision/sunset clause**

The proposal includes no review clause, because the Commission regulations to be amended already have review clauses, which remain unchanged.

### **European Economic Area**

The proposed act concerns an EEA matter and should therefore extend to the EEA.



**COMMISSION DELEGATED REGULATION (EU) .../...****of XXX**

**amending Delegated Regulations (EU) 2019/2013, (EU) 2019/2014, (EU) 2019/2015, (EU) 2019/2016, (EU) 2019/2017 and (EU) No 2019/2018 with regard to energy labelling requirements for electronic displays, household washing machines and household washer-dryers, light sources, refrigerating appliances, household dishwashers, and refrigerating appliances with a direct sales function**

(Text with EEA relevance)

THE EUROPEAN COMMISSION,

Having regard to the Treaty on the Functioning of the European Union,

Having regard to Regulation (EU) 2017/1369 of the European Parliament and of the Council of 4 July 2017 setting a framework for energy labelling and repealing Directive 2010/30/EU<sup>2</sup>, and in particular Article 11(5) and Article 16 thereof,

Whereas:

- (1) Regulation (EU) 2017/1369 empowers the Commission to adopt delegated acts.
- (2) Provisions on the energy labelling of electronic displays, household washing machines and household washer-dryers, light sources, refrigerating appliances, household dishwashers and refrigerating appliances with a direct sales function were established by Commission Delegated Regulations (EU) 2019/2013<sup>3</sup>, (EU) 2019/2014<sup>4</sup>, (EU) 2019/2015<sup>5</sup>, (EU) 2019/2016<sup>6</sup>, (EU) 2019/2017<sup>7</sup> and (EU) 2019/2018<sup>8</sup> (hereafter the “amended Regulations”).

---

<sup>2</sup> OJ L 198, 28.7.2017, p. 1.

<sup>3</sup> Commission Delegated Regulation (EU) 2019/2013 of 11 March 2019 supplementing Regulation (EU) 2017/1369 of the European Parliament and of the Council with regard to energy labelling of electronic displays and repealing Commission Delegated Regulation (EU) No 1062/2010, (OJ L 315, 5.12.2019, p. 1–28).

<sup>4</sup> Commission Delegated Regulation (EU) 2019/2014 of 11 March 2019 supplementing Regulation (EU) 2017/1369 of the European Parliament and of the Council with regard to energy labelling of household washing machines and household washer-dryers and repealing Commission Delegated Regulation (EU) No 1061/2010 and Commission Directive 96/60/EC (OJ L 315, 5.12.2019, p. 29–67).

<sup>5</sup> Commission Delegated Regulation (EU) 2019/2015 of 11 March 2019 supplementing Regulation (EU) 2017/1369 of the European Parliament and of the Council with regard to energy labelling of light sources and repealing Commission Delegated Regulation (EU) No 874/2012 (OJ L 315, 5.12.2019, p. 68–101).

<sup>6</sup> Commission Delegated Regulation (EU) 2019/2016 of 11 March 2019 supplementing Regulation (EU) 2017/1369 of the European Parliament and of the Council with regard to energy labelling of refrigerating appliances and repealing Commission Delegated Regulation (EU) No 1060/2010 (OJ L 315, 5.12.2019, p. 102–133).

- (3) In order to avoid confusion for manufacturers and national market surveillance authorities about the values to be included in technical documentation, uploaded in the product database and in relation to verification tolerances, a definition of declared values should be added.
- (4) Technical documentation should be sufficient to allow market surveillance authorities to check the values published on the label and in the product information sheet. In accordance with Article 12 of Regulation (EU) 2017/1369, declared values of the model should be entered into the product database.
- (5) The relevant product parameters should be measured or calculated using reliable, accurate and reproducible methods. Those methods should take into account recognised state-of-the-art measurement methods including, where available, harmonised standards adopted by the European standardisation bodies, as listed in Annex I to Regulation (EU) No 1025/2012 of the European Parliament and of the Council<sup>9</sup>.
- (6) Products containing light sources from which these light sources cannot be removed for verification without damaging one or more of them, should be tested as light sources for compliance assessment and verification.
- (...)
- (9) The terminology and testing methods of use in Regulation (EU) 2019/2018 are consistent with the terminology and testing methods adopted in EN 16901, EN 16902, EN 50597 and EN ISO 23953-2 and EN 16838.
- (10) The measures provided for in this Regulation were discussed by the Consultation Forum and with the Member States experts in accordance with Articles 14 and 17 of Regulation (EU) 2017/1369.

- (11) Delegated Regulations (EU) 2019/2013, (EU) 2019/2014, (EU) 2019/2015, (EU) 2019/2016, (EU) 2019/2017 and (EU) 2019/2018 should therefore be amended accordingly.

HAS ADOPTED THIS REGULATION:

<sup>7</sup> Commission Delegated Regulation (EU) 2019/2017 of 11 March 2019 supplementing Regulation (EU) 2017/1369 of the European Parliament and of the Council with regard to energy labelling of household dishwashers and repealing Commission Delegated Regulation (EU) No 1059/2010 (OJ L 315, 5.12.2019, p. 134–154).

<sup>8</sup> Commission Delegated Regulation (EU) 2019/2018 of 11 March 2019 supplementing Regulation (EU) 2017/1369 of the European Parliament and of the Council with regard to energy labelling of refrigerating appliances with a direct sales function (OJ L 315, 5.12.2019, p. 155–186).

<sup>9</sup> Regulation (EU) No 1025/2012 of the European Parliament and of the Council of 25 October 2012 on European standardisation, amending Council Directives 89/686/EEC and 93/15/EEC and Directives 94/9/EC, 94/25/EC, 95/16/EC, 97/23/EC, 98/34/EC, 2004/22/EC, 2007/23/EC, 2009/23/EC and 2009/105/EC of the European Parliament and of the Council and repealing Council Decision 87/95/EEC and Decision No 1673/2006/EC of the European Parliament and of the Council (OJ L 316, 14.11.2012, p. 12).

*Article 1*

**Amendments to Delegated Regulation (EU) 2019/2013**

(...)

*Article 3*

**Amendments to Delegated Regulation (EU) 2019/2015**

Delegated Regulation (EU) 2019/2015 is amended as follows:

(1) in Article 2, point (3) is replaced by the following:

----- 8/66 -----

‘(3) ‘containing product’ means a product containing one or more light sources, or separate control gears, or both, including, but not limited to, luminaires that can be taken apart to allow separate verification of the contained light source(s), household appliances containing light source(s), furniture (shelves, mirrors, display cabinets) containing light source(s);’;

(2) Article 3 is amended as follows:

(a) in paragraph 1, point (b) is replaced by the following:

‘(b) the values of the parameters included in the product information sheet, as set out in Annex V, are entered into the public part of the product database;’;

(b) in paragraph 1, point (i) is replaced by the following:

‘(i) by way of derogation from Article 11(13)(b) of Regulation (EU) 2017/1369, upon request by dealers and in accordance with Article 4(e), printed labels to rescale products are provided as a sticker, of the same size as the one which already exists.’;

(c) the following paragraph 1a is inserted:

‘1a. By way of derogation from Article 11(13)(a) of Regulation (EU) 2017/1369, the supplier shall, when placing a light source on the market, provide it with the existing label until 31 August 2021 and with the rescaled label from 1 September 2021. The supplier may choose to already provide light sources placed on the market during the period from 1 July to 31 August 2021 with the rescaled label, if no light sources belonging to the same model or equivalent models were placed on the market before 1 July 2021. In that case, the dealer shall not offer those light sources for sale before 1 September 2021. The supplier shall notify the dealer concerned of that consequence as soon as possible, including when it includes such light sources in its offers to dealers.’;

(3) in Article 4, point (e) is replaced by the following:

‘(e) by way of derogation from Article 11(13) of Regulation (EU) 2017/1369, existing labels on light sources at points of sale are replaced by the rescaled labels in such a way as to cover the existing label, including when printed on or attached to the package, within eighteen months after the date of application of this Regulation, and rescaled labels are not displayed before that date.’;

- (4) Article 10, paragraph 2 is amended as follows:  
'It shall apply from 1 September 2021. However, point 1(b) of Article 3 shall apply from 1 May 2021, and point 2(a) of Article 3 shall apply from 1 March 2022.';
- (5) Annexes I, III, IV, V, VI and IX are amended as set out in Annex III to this Regulation.

#### *Article 4*

### **Amendments to Delegated Regulation (EU) 2019/2016**

(...)



#### *Article 7*

### **Entry into force and application**

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

Article 1(4), Article 2(2), Article 4(4), Article 5(2) and Article 6(5) shall apply from **XXX** *[date – OP please insert date two months after entry into force]*. Article 3(2)(a) shall apply from 1 May 2021. Article 3(2)(c) shall apply from 1 July 2021. Article 3(1), 3(2)(b), 3(3), and 3(5) shall apply from 1 September 2021.

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

Done at Brussels,

*For the Commission*  
*The President*  
Ursula VON DER LEYEN



EUROPEAN  
COMMISSION

Brussels, XXX  
[...](2020) XXX draft

ANNEXES 1 to 6

## ANNEXES

to the

### COMMISSION DELEGATED REGULATION

**amending Delegated Regulations (EU) 2019/2013, (EU) 2019/2014, (EU) 2019/2015, (EU) 2019/2016, (EU) 2019/2017 and (EU) No 2019/2018 with regard to energy labelling requirements for electronic displays, household washing machines and household washer-dryers, light sources, refrigerating appliances, household dishwashers and refrigerating appliances with a direct sales function**

**ANNEX I**

(...)

**ANNEX III**

Annexes I, III, IV, V, VI and IX to Delegated Regulation (EU) 2019/2015 are amended as follows:

- (1) in Annex I, point (42) is replaced by the following:
 

‘(42) ‘declared values’ means the values provided by the supplier for the stated, calculated or measured technical parameters, pursuant to Article 3(3) of Regulation (EU) 2017/1369 and in accordance with Article 3(1)(d) and Annex VI of this Regulation, for the verification of compliance by the Member State authorities.’;
- (2) Annex III is modified as follows:
  - (a) the third paragraph of point 1 is replaced by the following:
 

‘The label shall be:

    - for the standard-sized label, at least 36 mm wide and 72 mm high;
    - for the small-sized label (width less than 36 mm), at least 20 mm wide and 54 mm high.’;
  - (b) bullet 6 of point 2.3 (e) is replaced by the following:
 

‘6. the rectangular border label and the internal dividers shall have a weight of 0,5 pt and the colour shall be 100 % black’;
- (3) Annex IV is amended as follows:
  - (a) in point 1, point (a) is replaced by the following:
 

‘(a) in radiological and nuclear medicine installations that are subject to radiation safety standards as set out in Council Directive 2013/59/EURATOM(1);

(1) Council Directive 2013/59/Euratom of 5 December 2013 laying down basic safety standards for protection against the dangers arising from exposure to ionising radiation (OJ L 13, 17.1.2014, p. 1).’;
  - (b) in point 3, the following point (l) is added:
 

‘(l) Incandescent light sources with blade contact-, metal lug-, cable-, litz wire-, , metric thread-, pin base- or non-standard customised electrical interface, encasing made from quartz-glass tubes, specifically designed and marketed for industrial or professional electro-heating equipment (e.g. stretch blow-

moulding process in PET-Industry, 3D-printing, photovoltaic and electronic manufacturing processes, drying or hardening of adhesives, inks, paints or coatings).’

(c) the following point (4) is added:

‘(4) Light sources specifically designed and exclusively marketed for products in the scope of Commission Regulations 2019/2023, 2019/2022, 932/2012 and 2019/2019, shall be exempt from the requirements of points 1(e)(7b), 1(e)(7c) and 1(e)(7d) of Annex VI to this Regulation.’

(4) Annex V is amended as follows:

(a) Table 3 is replaced by the following:



*Table 3*  
**Product information sheet**

<b>Supplier’s name or trade mark<sup>a,e</sup>:</b>			
<b>Supplier’s address<sup>a,e</sup>:</b>			
<b>Model identifier <sup>e</sup>:</b>			
<b>Type of light source:</b>			
Lighting technology used:	[HL/LFL T5 HE/ LFL T5 HO/CFLni/ other FL/ HPS/ MH/ other HID/ LED/ OLED/mixed/ other]	Non-directional or directional:	[NDLS/DLS]
Light source cap-type (or other electric interface)	[free text]		
Mains or non-mains:	[MLS/NMLS ]	Connected light source (CLS):	[yes/no]
Colour-tuneable light source:	[yes/no]	Envelope:	[no/second/non- clear]
High luminance light source:	[yes/no]		
Anti-glare shield:	[yes/no]	Dimmable:	[yes/only with specific dimmers/no]

### Product parameters

Parameter	Value	Parameter	Value
<b>General product parameters:</b>			
Energy consumption in on-mode (kWh/1000 h), <b>rounded up to the nearest integer</b>	x	Energy efficiency class	[A/B/C/D/E/F/G] <sup>b</sup>
Useful luminous flux ( $\Phi_{use}$ ), indicating if it refers to the flux in a sphere (360°), in a wide cone (120°) or in a narrow cone (90°)	x in [sphere/wide cone/narrow cone]	Correlated colour temperature, rounded to the nearest 100 K, or the range of correlated colour temperatures, rounded to the nearest 100 K, that can be set	<b>[x/x...x/x or x (or x...)]</b>
(120°) or in a narrow cone (90°)		correlated colour temperatures, rounded to the nearest 100 K, that can be set	
On-mode power ( $P_{on}$ ), expressed in W	x,x	Standby power ( $P_{sb}$ ), expressed in W and rounded to the second decimal	x,xx
Networked standby power ( $P_{net}$ ) for CLS, expressed in W and rounded to the second decimal	x,xx	Colour rendering index, rounded to the nearest integer, or the range of CRI-values that can be set	[x/x...x]



Outer dimensions <sup>a,e</sup> without separate control gear, lighting control parts and non-lighting control parts, if any (millimetre)	Height	x	Spectral power distribution in the range 250 nm to 800 nm, at full-load	[graphic]
	Width	x		
	Depth	x		
Claim of equivalent power <sup>c</sup>	[yes/-]		If yes, equivalent power (W)	x
			Chromaticity coordinates (x and y)	0,xxx 0,xxx

***Parameters for directional light sources:***

Peak luminous intensity (cd)	x		Beam angle in degrees, or the range of beam angles that can be set	[x/x...x]
------------------------------	---	--	--	-----------

***Parameters for LED and OLED light sources:***

R9 colour rendering index value	x		Survival factor	x,xx
the lumen maintenance factor	x,xx			

42/66

***Parameters for LED and OLED mains light sources:***

displacement factor (cos $\phi_1$ )	x,xx		Colour consistency in McAdam ellipses	x
Claims that an LED light source replaces a fluorescent light source without integrated ballast of a particular wattage.	[yes/-] <sup>d</sup>		If yes then replacement claim (W)	x
Flicker metric (Pst LM)	x,x		Stroboscopic effect metric (SVM)	x,x

<sup>a</sup> changes to these items shall not be considered relevant for the purposes of point 4 of Article 4 of Regulation (EU) 2017/1369.

<sup>b</sup> if the product database automatically generates the definitive content of this cell the supplier shall not enter these data.

<sup>c</sup> '-': not applicable;

'yes': An equivalence claim involving the power of a replaced light source type may be given only:

- for directional light sources, if the light source type is listed in Table 4 and if the luminous flux of the light source in a 90 ° cone ( $\Phi_{90^\circ}$ ) is not lower than the corresponding reference luminous flux in Table 4. The reference luminous flux shall be multiplied by the correction factor in Table 5. For LED light sources, it shall be in addition multiplied by the correction factor in Table 6;
- for non-directional light sources, the claimed equivalent incandescent light source power ( in watt, rounded to the integer) shall be that corresponding in Table 7 to the luminous flux of the light source.

The intermediate values of both the luminous flux and the claimed equivalent light source power ( in watt, rounded to the integer) shall be calculated by linear interpolation between the two adjacent values.

<sup>d</sup> '-': not applicable;

'yes': Claim that a LED light source replaces a fluorescent light source without integrated ballast of a particular wattage. This claim may be made only if:

- the luminous intensity in any direction around the tube axis does not deviate by more than 25 % from the average luminous intensity around the tube; and
- the luminous flux of the LED light source is not lower than the luminous flux of the fluorescent light source of the claimed wattage. The luminous flux of the fluorescent light source shall be obtained by multiplying the claimed wattage with the minimum luminous efficacy value corresponding to the fluorescent light source in Table 8; and

----- 43/66 -----

- the wattage of the LED light source is not higher than the wattage of the fluorescent light source it is claimed to replace.

The technical documentation file shall provide the data to support such claims.

<sup>e</sup> this item shall not be considered relevant for the purpose of Article 2(6) of Regulation (EU) 2017/1369.';

(b) Table 7 is replaced by the following:

*Table 7*

**Equivalence claims for non-directional light sources**

Light source luminous flux $\Phi$ (lm)	Claimed equivalent incandescent light source power (W)
136	15
249	25
470	40
806	60
1 055	75
1 521	100
2 452	150
3 452	200

’;

(5) Annex VI is amended as follows:

(a) in point 1, point (e) is replaced by the following

‘(e) the declared values for the following technical parameters; these values are considered as the declared values for the purpose of the verification procedure in Annex IX:

- (1) useful luminous flux ( $\Phi_{\text{use}}$ ) in lm;
- (2) colour rendering index (CRI);
- (3) on-mode power ( $P_{\text{on}}$ ) in W;
- (4) beam angle in degrees for directional light sources (DLS);
- (4a) peak luminous intensity in cd for directional light sources (DLS);
- (5) correlated colour temperature (CCT) in K;
- (6) standby power ( $P_{\text{sb}}$ ) in W, including when it is zero;

44/66

- (7) networked standby power ( $P_{\text{net}}$ ) in W for connected light sources (CLS);
- (7a) R9 colour rendering index value for LED and OLED light sources;
- (7b) survival factor for LED and OLED light sources;
- (7c) lumen maintenance factor for LED and OLED light sources; (7d) indicative lifetime L70B50 for LED and OLED light sources;

- (8) displacement factor ( $\cos \phi_1$ ) for LED and OLED mains light sources;
- (9) colour consistency in MacAdam ellipse steps for LED and OLED light sources;
- (10) luminance-HLLS in  $\text{cd}/\text{mm}^2$  (only for HLLS)
- (11) flicker metric (PstLM) for LED and OLED light sources;
- (12) stroboscopic effect metric (SVM) for LED and OLED light sources;
- (13) excitation purity, only for CTLS, for the following colours and dominant wavelength within the given range:

Colour	Dominant wave-length range
Blue	440 nm — 490 nm
Green	520 nm — 570 nm
Red	610 nm — 670 nm

- (b) the following point 2 is added:

‘2. The elements listed under point 1 shall also constitute the mandatory specific parts of the technical documentation that the supplier shall enter into the database, pursuant to point 5 of Article 12 of Regulation (EU) 2017/1369.’:

- (6) Annex IX is amended as follows:

- (a) The first paragraph is replaced by the following:

‘The verification tolerances defined in this Annex relate only to the verification by Member State authorities of the declared values and shall not be used by the supplier as an allowed tolerance to establish the values in the technical documentation or in interpreting these values with a view to achieving compliance or to communicate better performance by any means. The values and classes published on the label or in the product information sheet shall not be more favourable for the supplier than the values declared in the technical documentation.

Where a model has been designed to be able to detect it is being tested (e.g. by recognising the test conditions or test cycle), and to react specifically by automatically altering its performance during the test with the objective of reaching a more favourable level for any of the parameters specified in this Regulation or included in the technical documentation or included in any of the documentation provided, the model and all equivalent models shall be considered not compliant.’;

45/66

- (b) in the third paragraph, the words “When verifying” are replaced by “As part of verifying”;

- (c) the second paragraph of Point 1 is replaced by the following:  
‘The Member State authorities shall verify 10 units of the light source model for point 2(c) of this Annex. The verification tolerances are laid down in Table 9 of this Annex.’;
- (d) Point 3 is replaced by the following:  
‘If the results referred to in point 2(a), (b) or (c) are not achieved, the model and all equivalent models shall be considered not to comply with this Regulation.’;
- (e) Table 9 is replaced by the following:

‘Table 9

**Verification tolerances**

Parameter	Sample size	Verification tolerances
<b>Full-load on-mode power <math>P_{on}</math> [W]:</b>		
$P_{on} \leq 2W$	10	The determined value shall not exceed the declared value by more than 0,20 W.
$2W < P_{on} \leq 5W$	10	The determined value shall not exceed the declared value by more than 10 %.
$5W < P_{on} \leq 25W$	10	The determined value shall not exceed the declared value by more than 5 %.
$25W < P_{on} \leq 100W$	10	The determined value shall not exceed the declared value by more than 5 %.
$100W < P_{on}$	10	The determined value shall not exceed the declared value by more than 2.5 %.
<b>Displacement factor [0-1]</b>	10	The determined value shall not be less than the declared value minus 0,1 units.
<b>Useful luminous flux <math>\Phi_{use}</math> [lm]</b>	10	The determined value shall not be less than the declared value minus 10 %.
<b>Standby power <math>P_{sb}</math> and networked standby power <math>P_{net}</math> [W]</b>	10	The determined value shall not exceed the declared value by more than 0,10 W.
<b>CRI and R9 [0-100]</b>	10	The determined value shall not be less than the declared value by more than 2,0 units.
<b>Flicker [<math>P_{st}</math> LM] and stroboscopic effect [SVM]</b>	10	The determined value shall not exceed the declared value by more than 0,1 or by more than 10 % if the declared value is more than 1,0
<b>Colour consistency [MacAdam ellips steps]</b>	10	The determined number of steps shall not exceed the declared number of steps. The centre of the MacAdam ellipse shall be the centre declared by the supplier with a tolerance of 0,005 units.
<b>Beam angle (degrees)</b>	10	The determined value shall not deviate from the declared value by more than 25 %.
<b>Total mains efficacy <math>\eta_{TM}</math> [lm/W]</b>	10	The determined value (quotient) shall not be less than the declared value minus 5 %.

<b>Lumen maintenance factor (for LED and OLED)</b>	10	The determined $X_{LMF}$ % of the sample shall not be less than $X_{LMF, MIN}$ % according to the text in Annex V of Commission Regulation (EU) 2019/2020 <sup>(1)</sup> .
<b>Survival factor (for LED and OLED)</b>	10	At least 9 light sources of the test sample must be operational after completing the endurance test in Annex V of Regulation (EU) 2019/2020.
<b>Excitation purity [%]</b>	10	The determined value shall not be less than the declared value minus 5 %.
<b>Correlated colour temperature [K]</b>	10	The determined value shall not deviate from the declared value by more than 10 %.
<b>Peak luminous intensity [cd]</b>	10	The determined value shall not deviate from the declared value by more than 25 %.
(1) Commission Regulation (EU) 2019/2020 of 1 October 2019 laying down ecodesign requirements for light sources and separate control gears pursuant to Directive 2009/125/EC of the European Parliament and of the Council and repealing Commission Regulations (EC) No 244/2009, (EC) No 245/2009 and (EU) No 1194/2012 (see page 209 of this Official Journal).		

For light sources with linear geometry which are scalable but of very long length, such as LED strips or strings, verification testing of market surveillance authorities shall consider a length of 50 cm, or, if the light source is not scalable there, the nearest value to 50 cm. The light source supplier shall indicate which control gear is suitable for this length.

When verifying if a product is a light source, market surveillance authorities shall compare the measured values for chromaticity coordinates (x and y), luminous flux, luminous flux density, and colour rendering index directly with the limit values set out in the definition for light source of Article 2 of this Regulation, without applying any tolerances. If any of the 10 units in the sample satisfies the conditions for being a light source, the product model shall be considered to be a light source.

Light sources that allow the end-user to control, manually or automatically, directly or remotely, the luminous intensity, colour, correlated colour temperature, spectrum, and/or beam angle of the emitted light shall be evaluated using the reference control setting.

.

## ANNEX IV

(...)

## Anhang ◇ Annex ◇ Annexe

### Kontakt Daten

Christoph Mordziol  
Umweltbundesamt (UBA)  
Fachgebiet V 1.4 –  
Energieeffizienz

Wörlitzer Platz 1  
06844 Dessau-Roßlau  
Deutschland

☎ +49 - 340 / 21 03-22 57  
christoph.mordziol@uba.de

<https://www.umweltbundesamt.de/themen/klima-energie/energiesparen/licht>

### Contact data

Christoph Mordziol  
Federal Environment Agency  
Section V 1.4 – Energy  
Efficiency

Germany

### Cordonnées

Christoph Mordziol  
Agence Fédérale de  
l'Environnement  
Unité V 1.4 – Efficacité  
Énergétique

Allemagne

(Datei „ErP-RL\_2020-11-26-1018\_n\_43-VO-LqGes\_UBA-Arbeitshilfe\_2-412-FG-Ew-2020-11\_v02\_Ef.docx“)