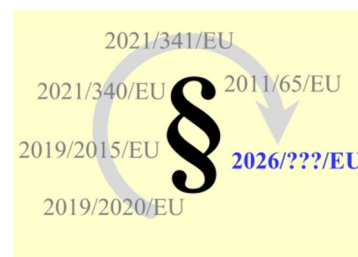


Texte zu EU-Regelungen zur umweltgerechten Produktgestaltung und zur Energieverbrauchskennzeichnung in der Beleuchtung – Zusammenstellung ^[1] des Umweltbundesamtes (UBA), Deutschland



Entwurf der EU-Kommission vom Dezember 2022

**Entwurf der EU-Kommission für eine Änderungsverordnung
zur Produktinformation bei Beleuchtungsprodukten
und weiteren Produktgruppen**

– Text zu allen Produktgruppen –

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

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

The EU Commission's draft of December 2022

**EU Commission draft for an amending regulation on the product
information of lighting products and other product groups**

– Text for all product groups –

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

Le projet de la Commission Européenne du décembre 2022

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

– Texte sur tous les groupes de produits –

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

^[1] <https://bscw.bund.de/pub/bscw.cgi/193290000/index.html>

DE: ↓

EN: → page III

FR : → page IV

Texte im Offenen Forum

(**abc** = vorliegender Text)

- **Bestehende EG- und EU-Regelungen**
- **Studien der EU-Kommission**
- **Regelungsentwürfe**
 - EK-Vorentwürfe vom November 2015 für das Konsultationsforum
 - VHK-Entwürfe vom Sommer 2016 (nicht im Offenen Forum verfügbar)
 - VHK-Entwürfe vom Sommer 2017 (nicht im Offenen Forum verfügbar)
 - EK-Entwürfe vom November 2017 für das Konsultationsforum
 - EK-Entwürfe vom Juli 2018 für die dienststellenübergreifende Konsultation
 - EK-Entwürfe vom Oktober 2018 für die WHO-Notifizierung
 - EK-Entwürfe vom November 2018 für den Regelungsausschuß zur Produktgestaltung und das Fachgespräch zur Produktinformation
 - Entwürfe vom Dezember 2018 von Regelungsausschuß und Fachgespräch
 - Entwürfe vom Januar/Februar 2019
 - Entwürfe vom März 2019 (Produktinformation)
 - Änderungsverordnungen
 - Entwürfe vom Dezember 2021 für EU-Rat und -Parlament (Verwendung gefährlicher Stoffe)
 - **Entwürfe vom Dezember 2022 für EU-Mitgliedstaaten, -Rat und -Parlament (Produktinformation)**
 - **Begründungstext, Haupttext und Anhänge [EN]**
- **Öffentliche Konsultationen auf EU-Ebene**
- **Diskussion im Offenen Forum**
- **Weitere Dokumente**

Abkürzungen: • EG = Europäische Gemeinschaft • EU = Europäische Union • VHK = Van Holsteijn en Kemna, <https://www.vhk.nl/> • WHO = Welthandelsorganisation

Documents in the Open Forum

(**abc** = text at hand)

- Existing EC and EU Regulations
- Studies of the European Commission
- **Draft regulations**
 - EU Commission's preliminary drafts of November 2015 for the Consultation Forum
 - VHK's drafts of summer 2016 (not available in the Open Forum)
 - VHK's drafts of summer 2017 (not available in the Open Forum)
 - EU Commission's drafts of November 2017 for the Consultation Forum
 - EU Commission's drafts of July 2018 for inter-service consultation
 - EU Commission's drafts of October 2018 for WTO Notification
 - EU Commission's drafts of November 2018 for the Regulatory Committee on ecodesign and for the Technical Expert Meeting on energy labelling
 - Drafts of December 2018 from Regulatory Committee and Technical Expert Meeting
 - Drafts of January/February 2018
 - Drafts of March 2018 (Product Information)
 - Amending Regulations
 - December 2021 drafts for EU Council and EU Parliament (Use of hazardous substances)
 - **December 2022 drafts for EU Member States, Council and EU Parliament (Product information)**
 - **Explanatory Memorandum, Main text and Annexes [EN]**
- Public Consultations at EU level
- Discussion in the Open Forum
- Further documents

Abbreviations: • EC = European Communities • EU = European Union • VHK = Van Holsteijn en Kemna, <https://www.vhk.nl/> • WTO = World Trade Organisation

Documents dans le forum ouvert

(abc = présent document)

- Règlements existants de la CE et de l'EU
- Études de la Commission européenne
- **Projets de règlements**
 - Avant-projets de la Commission Europ. du novembre 2015 pour le forum consultatif
 - Projets de VHK de l'été 2016 (non disponibles sur le forum ouvert)
 - Projets de VHK de l'été 2017 (non disponibles sur le forum ouvert)
 - Projets de la Commission Europ. du novembre 2017 pour le forum consultatif
 - Projets de la Commission Europ. du juillet 2018 pour la consultation inter-services
 - Projets de la Commission Europ. d'octobre 2018 pour la notification à l'OMC
 - Projets de la Commission Européenne du novembre 2018 pour le comité de réglementation sur écoconception et pour la réunion d'experts technique sur étiquetage énergétique
 - Projets du décembre 2018 du comité de réglementation et de la réunion d'experts technique
 - Projets du janvier / février 2019
 - Projets du mars 2019 (Informations relatives aux produits)
 - Règlements modificatifs
 - Projets de décembre 2021 pour le Conseil et le Parlement de l'UE (L'utilisation de substances dangereuses)
 - **Projets de décembre 2022 pour les États membres, le Conseil et le Parlement de l'UE (Informations sur les produits)**
 - **Mémoire explicatif, texte principal et annexes [EN]**
- Consultations publiques au niveau de l'UE
- Discussion dans le Forum Ouvert
- Autres documents

Abréviations : ● CE = Communauté européenne ● UE = Union européenne ● OMC = Organisation mondiale du commerce ● VHK = Van Holsteijn en Kemna, <https://www.vhk.nl/>

Nach Seite VI folgt ein unveränderter Originaltext.

EN: After page VI follows an unchanged original text.

FR: Après la page VI suit un texte original inchangé.

Brussels, XXX
[...] (2022) XXX draft

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

of XXX

correcting Delegated Regulations (EU) No 626/2011, (EU) 2019/2013, (EU) 2019/2015, (EU) 2019/2016 and (EU) 2019/2018 with regard to energy labelling requirements of air conditioners, electronic displays, light sources, refrigerating appliances, 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. The information transmitted is intended only for the Member State or entity to which it is addressed for discussions and may contain confidential and/or privileged material.

EXPLANATORY MEMORANDUM

1. CONTEXT OF THE DELEGATED ACT

Commission Delegated Regulation No 626/2011 providing for energy labelling of air conditioners was last amended by Commission Delegated Regulation (EU) 1059/2020. The objective was to correct some errors and to standardise the rounding rules on energy consumption information. Since then, however, it has emerged that three issues remain to be corrected.

For single duct and double duct air conditioners, the hourly energy consumption in kWh per 60 minutes is according to the current wording ‘rounded up to the nearest integer’, instead of being ‘rounded to one decimal’. This makes the energy consumption information meaningless as the energy consumption is, in general, close to 1 kWh per 60 minutes.

By requiring that, for all air conditioners, efficiency and capacity are ‘rounded up’ to one decimal, it forces manufacturers to declare values that are higher than measured values. This is not consistent with Annex VIII(2) of the same Delegated Regulation (EU) No 626/2011, which states that *‘the model shall be considered to comply with the applicable requirements if: ... (b) the values published on the label and in the product fiche are not more favourable for the supplier than the declared values’*.

The Commission therefore proposes to correct the wording on rounding under Commission Delegated Regulation 626/2011 as indicated.

Commission Delegated Regulation (EU) 2019/2013 providing for energy labelling of electronic displays was last amended by Commission Delegated Regulation (EU) 2021/340. The objective was to correct errors, bring it in line with the corresponding ecodesign act, and to add definitions of declared values. Since then, however, it has emerged that the following further issues remain to be corrected.

In Annex II, point B, Table 3, the correction factor for digital signage displays needs to apply only to those with a luminance higher than 500 cd/m², to account for their operation in high ambient light conditions. It must not, therefore, penalise signage displays with luminance lower than 500 cd/m².

In Annex III, points 1.VI and 1.VIII, it needs to be clarified that the calculation of the ‘on mode energy consumption’ to be displayed on the label must use the same parameter *P_{measured}* used to calculate the energy efficiency index for the labelling class.

In Annex III, point 2(a), it needs to be clarified that the smaller label permitted for smaller displays can be scaled down to a maximum of 60% of the normal width and height of the default label and not of its area.

In Annex VI, Table 5, it needs to be clarified that “Peak white luminance ratio” in row 26 is to be calculated on the basis of declared values both of “peak white luminance of the normal configuration” and of “peak white luminance of the brightest on mode configuration”.

In Annex IX, Table 6, it needs to be specified that verification tolerances apply to ‘Peak white luminance of the normal configuration’ and ‘Peak white luminance of the brightest on mode configuration (where applicable)’.

The Commission therefore proposes to correct Commission Delegated Regulation (EU) 2019/2013 on the above-mentioned issues.

Commission Delegated Regulation (EU) 2019/2015 providing for energy labelling of light sources was last amended by Commission Delegated Regulation (EU) 2021/340. The

objective was to correct some errors and to add a definition of declared values. The following issues remain to be corrected.

Annex VI, point 1(e)(11) and (12) need to refer to LED and OLED mains light sources: the word ‘mains’ is currently missing and needs to be added under each point.

In Annex IX, Table 9 ‘Verification tolerances’, the range [0-100] for the parameter ‘CRI and R9’, needs to refer to CRI only.

The Commission therefore proposes to correct Commission Delegated Regulation (EU) 2019/2015 on the above-mentioned issues.

Commission Delegated Regulation (EU) 2019/2016 providing for energy labelling of refrigerating appliances was last amended by Commission Delegated Regulation (EU) 2021/340. The objective was to correct some errors and to add a definition of declared values. One issue remains to be corrected.

In Annex VI, point 1, Table 7 ‘Technical parameters of the model and their declared values for refrigerating appliances’, the thermodynamic parameter (r_c) for the 2-star section compartment type should be 1.80, and not 2.10.

The Commission therefore proposes to correct Commission Delegated Regulation (EU) 2019/2016 on the above-mentioned issue.

Commission Delegated Regulation (EU) 2019/2018 providing for energy labelling of refrigerating appliances with a direct sales function was last amended by Commission Delegated Regulation (EU) 2021/340. The objective was to correct some errors and to add a definition of declared values. The following issue was meanwhile identified and remains to be corrected.

Annex IX does not set a verification tolerance for temperatures, implying that the tolerance is zero. This concept needs to be made explicit, by specifying in Annex IV(2)(b) that the *E daily* (the energy consumption of the refrigerating appliance with a direct sales function over 24 hours) is measured according to the temperature conditions of Table 4 in the same Annex.

The Commission therefore proposes to correct Commission Delegated Regulation (EU) 2019/2018 on the above-mentioned issue.

2. CONSULTATIONS PRIOR TO THE ADOPTION OF THE ACT

Pursuant to Article 16 of Regulation (EU) 2017/1369, a consultation of the Ecodesign and Energy Labelling Consultation Forum was carried out by written procedure during the period 25 February to 5 April 2022, in line with its rules of procedure. Comments put forward during this period by stakeholders and Member State representatives were examined and taken up to the extent possible.

As the corrections proposed in this Regulation are considered minor, no impact assessment has been undertaken. The draft Commission delegated Regulation and its Annex were published for feedback during the period between 12 July and 9 August 2022; during this period four contributions were submitted. After analysing the substance of the comments some improved wording on the reasons behind the amendment introduced in Annex V to Delegated Regulation (EU) 2019/2018 on refrigerating appliances with direct sales function has been added. The rest of the comments submitted during the feedback period have been not retained as they would have implied new policy choices, different from those in the original delegated acts. They have been considered for these reasons as going beyond the intention and scope of a correcting act.

3. LEGAL ELEMENTS OF THE DELEGATED ACT

In Commission Delegated Regulation (EU) No 626/2011 on the energy labelling of air conditioners, the definition of the electricity consumption of single duct and double duct air conditioners in Annex I is corrected. In Annex III, the rounding rules for energy efficiency and capacity, and also the rounding rules for the energy consumption of single duct and double duct air conditioners are corrected, to avoid forcing manufacturers to declare meaningless values of little use to consumers.

In Commission Delegated Regulation (EU) 2019/2013 on the energy labelling of electronic displays, Annex II point B Table 3, Annex III point 1.VI, 1.VIII and 2.(a), Annex VI Table 5 and Annex IX Table 6 are corrected.

In Commission Delegated Regulation (EU) 2019/2015 on the energy labelling of light sources, points 1(e)(9), (11) and (12) in Annex VI are corrected; the range for the parameter R9 in Annex IX is deleted.

In Commission Delegated Regulation (EU) 2019/2016 on the energy labelling of refrigerating appliances, the thermodynamic parameter (r_c) for the 2-star section compartment type in Annex VI is corrected.

In Commission Delegated Regulation (EU) 2019/2018 on the energy labelling of refrigerating appliances with a direct sales function, point 2(b) in Annex IV is corrected.

3.1. Legal basis

This Commission Delegated Regulation supplements Regulation (EU) 2017/1369 setting a framework for energy labelling and repealing Directive 2010/30/EU, in particular by virtue of Article 16. The Energy Labelling Framework Regulation is based on Article 194(2) of the Treaty on the Functioning of the European Union.

3.2. 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 corrections 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.

3.3. Proportionality principle

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.

3.4. Choice of instrument

The proposed form of action is a correction to the previous Commission Delegated Regulations adopted under the Energy Labelling Framework Regulation (EU) 2017/1369. Only by including the proposed corrections on the previous legal acts, can these requirements be fully harmonised throughout the EU.

4. BUDGETARY IMPLICATIONS

The proposal has no implications for the EU budget.

5. ADDITIONAL INFORMATION

5.1. Review/revision/sunset clause

The proposed act includes no review clause because it only corrects a number of Commission Delegated Regulations that already contain review clauses, which remain unchanged.

5.2. European Economic Area

The proposed act ensures the functioning of internal market measures and should therefore be considered as relevant for the EEA.

DRAFT

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

of **XXX**

correcting Delegated Regulations (EU) No 626/2011, (EU) 2019/2013, (EU) 2019/2015, (EU) 2019/2016 and (EU) 2019/2018 with regard to energy labelling requirements of air conditioners, electronic displays, light sources, refrigerating appliances, 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/EU¹, and in particular Article 16 thereof,

Whereas:

- (1) Commission Delegated Regulations (EU) No 626/2011, (EU) 2019/2013, (EU) 2019/2015, (EU) 2019/2016 and (EU) 2019/2018 established provisions on the energy labelling of respectively air conditioners, electronic displays, light sources, refrigerating appliances and refrigerating appliances with a direct sales function.
- (2) Delegated Regulation (EU) No 626/2011 contains an errors in the definition in point (47) of Annex I as regards the unit of the energy consumption of double duct air conditioners.
- (3) Delegated Regulation EU No 626/2011 contains errors in different points of Annex III as it indicates that the information on hourly energy consumption in kWh per 60 minutes is to be rounded to the nearest integer in order to be included in the energy label for single duct and double duct air conditioners.
- (4) Delegated Regulation (EU) No 626/2011 contains errors in different points of Annex III as regards the rounding rule of heating and cooling capacities and of SEER, SCOP, EER, COP energy efficiency metrics.
- (5) Delegated Regulation (EU) 2019/2013 contains an error in Annex II regarding the correction factor for digital signage displays that should be specified to apply only to those with a high luminance.
- (6) Delegated Regulation (EU) 2019/2013 lacks clarity in Annex III regarding the determination of the “on mode energy consumption” displayed on the label which should be consistent with the energy efficiency index used for the labelling class.
- (7) Delegated Regulation (EU) 2019/2013 provides for the possibility to scale down labels for small displays. That should be better specified by referring to the normal width and height of the label.

¹ [OJ L 198, 28.7.2017, p. 1.](#)

- (8) Annex VI to Delegated Regulation (EU) 2019/2013 requires the declaration of peak white luminance parameters. Further specifications should be added to the way to calculate that requirement to make it consistent with the corresponding ecodesign requirements.
- (9) Annex IX to Delegated Regulation (EU) 2019/2013, specifies verification tolerances generally applicable to “Peak white luminance” parameters. Two specific parameters should be explicitly mentioned instead.
- (10) Annex VI to Delegated Regulation (EU) 2019/2015 should be corrected in as the word “mains” is missing.
- (11) Annex IX to Delegated Regulation (EU) 2019/2015 should be corrected as the parameter CRI and R9 under should refer to CRI instead.
- (12) Delegated Regulation (EU) 2019/2016 contains an error in Annex IV regarding the thermodynamic parameter (r_c) for the 2-star section compartment type.
- (13) Delegated Regulation (EU) 2019/2018 contains an error in Annex IV, as the reference to Table 4 has been omitted and should reflect that not tolerance for temperature is allowed.
- (14) Delegated Regulations (EU) No 626/2011, (EU) 2019/2013, (EU) 2019/2015, (EU) 2019/2016 and (EU) 2019/2018 should therefore be corrected accordingly.

HAS ADOPTED THIS REGULATION:

Article 1

Corrections to Delegated Regulation (EU) No 626/2011

Annex I and III to Delegated Regulation (EU) No 626/2011 are corrected as set out in Annex 1 to this Regulation.

Article 2

Corrections to Delegated Regulation (EU) 2019/2013

Annexes II, III, VI and IX to Delegated Regulation (EU) 2019/2013 are corrected as set out in Annex 2 to this Regulation.

Article 3

Corrections to Delegated Regulation (EU) 2019/2015

Annexes VI and IX to Delegated Regulation (EU) 2019/2015 are corrected as set out in Annex 3 to this Regulation.

Article 4

Corrections to Delegated Regulation (EU) 2019/2016

Annex VI to Delegated Regulation (EU) 2019/2016 is corrected as set out in Annex 4 to this Regulation.

Article 5

Corrections to Delegated Regulation (EU) 2019/2018

Annex IV to Delegated Regulation (EU) 2019/2018 is corrected as set out in Annex 5 to this Regulation.

Article 6

Entry into force

This Regulation shall enter into force on the fourth day following that of 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,

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. The information transmitted is intended only for the Member State or entity to which it is addressed for discussions and may contain confidential and/or privileged material.

ANNEX I

Annex I and III of Commission Delegated Regulation (EU) 626/2011 are amended as follows:

- (1) In Annex I definition (47), the words “kWh/a” are replaced by “kWh/h”.
- (2) In Annex III, “rounded up” is replaced by “rounded” in the following points:
 - point 1.1.(a).V
 - point 1.1.(a).VI
 - point 1.1.(a).VII
 - point 1.1.(a).VIII
 - point 1.1.(a).IX
 - point 1.5.iv.10
 - point 2.1.(a).V
 - point 2.1.(a).VI
 - point 2.1.(a).VII
 - point 2.5.iv.10
 - point 3.1.(a).V
 - point 3.1.(a).VI
 - point 3.1.(a).VII
 - point 3.5.iv.9
 - point 4.1.(a).V
 - point 4.1.(a).VI
 - point 4.1.(a).VII
 - point 4.2.iv.11
 - point 4.3.(a).V
 - point 4.3.(a).VI
 - point 4.3.(a).VII
 - point 4.4.iv.11
 - point 4.5.(a).V
 - point 4.5.(a).VI
 - point 4.5.(a).VII
 - point, 4.6.iv.11

- point 5.1.(a).V
- point 5.1.(a).VI
- point 5.1.(a).VII
- point 5.2.iv.11
- point 5.3.(a).V
- point 5.3.(a).VI
- point 5.3.(a).VII
- point 5.4.iv.11
- point 5.5.(a).V
- point 5.5.(a).VI
- point 5.5.(a).VII
- point 5.6.iv.11

(3) In Annex III: “to the nearest integer” is replaced by “to one decimal” in the following points:

- point, 4.1.(a).VII
- point, 4.3.(a).VII
- point 4.5.(a).VII
- point 5.1.(a).VII
- point 5.3.(a).VII
- point 5.5.(a).VII

(4) In Annex III “XY” is replaced by “X,Y” in the following points:

- point 4.2.iv.12
- point 4.4.iv.12
- point 4.6.iv.12
- point 5.2.iv.12
- point 5.4.iv.12
- point 5.6.iv.12

ANNEX II

Annex II, III, VI and IX of Commission Delegated Regulation (EU) 2019/2013 are amended as follows:

- (1) In Annex II, point B, Table 3, the text:

$0,00062 \cdot (\text{lum} - 500) \cdot A$

where 'lum' is the peak white luminance, in cd/m^2 , of the brightest on mode configuration of the electronic display and A is the screen area in dm^2

is replaced by:

$0,00062 \cdot (\text{lum} - 500) \cdot A$, for $\text{lum} \geq 500$;

0,0 , for $\text{lum} < 500$

where 'lum' is the peak white luminance, in cd/m^2 , of the brightest on mode configuration of the electronic display and A is the screen area in dm^2

- (2) In Annex II, at the end of point B, the following text is added:

“The declared value of the on mode power $P_{\text{measured}_{\text{SDR}}}$ as listed in Table 5 of Annex VI shall be used for the calculation of the on mode energy consumption in kWh per 1 000 h, when playing SDR content.

The declared value of the on mode power $P_{\text{measured}_{\text{HDR}}}$ as listed in Table 5 of Annex VI shall be used for the calculation of the on mode energy consumption in kWh per 1 000 h, when playing HDR content.”

- (3) In Annex III, point 1.VI, the text:

“on mode energy consumption in kWh per 1 000 h, when playing SDR content, rounded to the nearest integer;”

is replaced by

“on mode energy consumption in kWh per 1 000 h, when playing SDR content, rounded to the nearest integer, calculated using the value of $P_{\text{measured}_{\text{SDR}}}$.”

- (4) In Annex III, point 1.VIII, the text:

“the on mode energy consumption in kWh per 1 000 h, when playing HDR content, rounded to the nearest integer;”

is replaced by

“on mode energy consumption in kWh per 1 000 h, when playing HDR content, rounded to the nearest integer, calculated using the value of $P_{\text{measured}_{\text{HDR}}}$.”

- (5) In Annex III, point 2.(a), the sentence:

“For electronic displays with a size of the diagonal of the visible area less than 127 cm (50 inches), the label can be printed scaled down, but not less than 60 % of its normal size;”

is replaced by:

“For electronic displays with a size of the diagonal of the visible area less than 127 cm (50 inches), the label can be printed scaled down, but not less than 60 % of its normal width and height;”

- (6) In Annex VI, Table 5 titled “Technical parameters of the model and declared values”, in row numbered 26, the text:

“Peak white luminance ratio (calculated as value of ‘Peak white luminance of the normal configuration’ divided by value of ‘Peak white luminance of the brightest on mode configuration’ multiplied by 100)”

is replaced by:

“Peak white luminance ratio (calculated as the declared value of ‘Peak white luminance of the normal configuration’ divided by the declared value of ‘Peak white luminance of the brightest on mode configuration’ multiplied by 100)”.

- (7) In Annex IX, Table 6 titled “Verification tolerances”, row 7 which contains the text “Peak white luminance” is replaced by the following two rows:

Peak white luminance of the normal configuration	The determined value ^(*) shall not be different than the declared value by more than 8 %.
Peak white luminance of the brightest on mode configuration	The determined value ^(*) shall not be different than the declared value by more than 8 %.

ANNEX III

Annex IV, VI and IX of Commission Delegated Regulation (EU) 2019/2015 are amended as follows:

- (1) In Annex IV point 1.(b), the words “as set out in Directive 2014/35/EU” are added together with a footnote “Directive 2014/35/EU of the European Parliament and of the Council of 26 February 2014 on the harmonisation of the laws of the Member States relating to the making available on the market of electrical equipment designed for use within certain voltage limits (OJ L 96, 29.3.2014, p. 357)”.
- (2) In Annex VI, “LED and OLED light sources” is replaced by “LED and OLED mains light sources” in the following points:
 - point 1.(e)(11)
 - point 1.(e)(12)
- (3) In Annex IX Table 9, the reference “CRI and R9 [0-100]” is replaced by “CRI [0-100] and R9”.

ANNEX IV

Annex VI of Commission Delegated Regulation (EU) 2019/2016 is amended as follows:

- (1) In point 1, Table 7 the thermodynamic parameter (r_c) for the 2-star section compartment type “2,10” is replaced by “1,80”.

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ANNEX V

Annex IV of Commission Delegated Regulation (EU) 2019/2018 is amended as follows:

(1) In Annex IV, point 2(b) the text:

“— *E_{daily}* is the energy consumption of the refrigerating appliance with a direct sales function over 24 hours, expressed in kWh/24h and rounded to three decimal places.”

is replaced by

“— *E_{daily}* is the energy consumption of the refrigerating appliance with a direct sales function over 24 hours, expressed in kWh/24h, rounded to three decimal places and measured according to the temperature conditions of Table 4 for the relevant temperature class.”