

FAQ (EN)

EU-REGULATION 2019/2020 SLR & 2019/2015 ELR



FAQ | SLR/ELR – most important changes

What changes by the new regulation?

- All light sources will be evaluated in accordance with the regulations.
- Packaging and graphics will be adapted slightly.
- There will be a new energy efficiency label with a new scale. A++ to E will become A to G.
- The Energy Labeling Regulation applies to all light sources.
- Luminaires, as containing product, will no longer require an energy label as early as December 25, 2019. As a light source, luminaires must be labeled as of September 1, 2021.
- Existing products may be sold without reclassification until March 2023.

Which regulations were valid before?

NEW: **Single Light Regulation – Verordnung 2019/2020**

Energy Labelling Regulation (ELR) – Verordnung 2019/2015

Before: Regulation 244/2009
 Regulation 245/2009
 Regulation 1149/2012
 and amendments)

Regulation 874/2012 (and amendments)
Regulation 2017/1369

FAQ | SLR/ELR – most important changes

Which products are affected by the new Ecodesign Regulation?

All light sources are affected with the exception of a few products for special applications (e.g. special lamps for medical applications).

What is meant by "light sources"?

A light source is an electrically operated product that emits white light. This may be a lamp, a module or a luminaire with fully integrated components. Luminaires may be a light source (fully integrated luminaire) or may contain one or more light sources (containing product).

What is meant by “containing product“?

A “containing products” is a product containing one or more light sources, or separate control gears, or both.

It must be possible for the light source to be removed without permanent damage using commonly available tools.

LEDVANCE luminaires are generally “containing products”.

If removal of a light source is not possible without permanent damage, the product is to be considered as a light source – and subject to the SLR/ELR regulations.

Containing products have not had to carry an energy label since December 25, 2019.

What is meant by “control gear“?

In the EU regulations, separate control gears are ballasts (CCG/ECG) that are not integrated into a light source. They too must meet certain minimum energy efficiency requirements.

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What is meant by “stroboscopic effect“?

Stroboscopic Effect Visibility Measure (SVM)

These effects can occur when non-compliant light sources illuminate a moving object.

Stroboscopic effects can result in dangerous situations as they may impair the perceptibility of rotating or moving objects (for example, rotating machine parts may be perceived as being stationary).

What is meant by “flicker“?

Perception of short-term light modulation (P_{stLM})

This refers to visible flicker, for example on screens.

The flicker can cause discomfort, visual fatigue and headaches.

▶ ab 09/2021: $SVM \leq 0,9^1$ / $P_{stLM} \leq 1$;

▶ ab 09/2024: $SVM \leq 0,4^1$

¹ Except: Light sources for outdoor, industrial and other applications that allow color rendering with $CRI \leq 80$.

FAQ | SLR/ELR – most important changes

What is the time frame for the implementation of the new rules?

LIGHT SOURCES = LIGHT EMITTING DEVICES OR FULLY INTEGRATED LUMINAIRES



SLR entered into force in December 2019. It will apply from September 1, 2021.



All light sources placed on the market from September 1, 2021 will require a new energy efficiency label in accordance with the regulation.



Transition period of 18 months. Light sources that have been placed on the market by August 31, 2021 may be sold with their old labels until March 1, 2023. From March 2023, these products must be relabeled.

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Which products must be phased out as a result of the new regulations?













Some traditional lamps are affected.

What products can be used as a substitute?

For replacement products, please refer to our overview on www.ledvance.de/service

Can the affected lamps still be sold after the deadline of 1.9.2021?

Products that have already been placed on the market can still be sold after this date (e.g. inventories) and be installed on customers' premises.

PHASEOUT AND LEDVANCE REPLACEMENT PRODUCTS			
PRODUCTS AFFECTED		BANNED FROM*	LED REPLACEMENT PRODUCTS
COMPACT FLUORESCENT LAMPS CFLi – E27, E14 etc. with integrated control gear		SEPT 1, 2021	
HIGH-VOLTAGE HALOGEN LAMPS R7s > 2,700 lm corresponds to approx. 140 W		SEPT 1, 2021	
LOW-VOLTAGE HALOGEN LAMPS GU4, GU5.3, G53 with reflector >10° beam angle		SEPT 1, 2021	
LINEAR FLUORESCENT LAMPS T12 and T2		SEPT 1, 2021	
LINEAR FLUORESCENT LAMPS T8 600 mm, 1,200 mm, 1,500 mm		SEPT 1, 2023	
HALOGEN PINS G4, GY6.35, G9		SEPT 1, 2023	

* Products that are already on the market may still be sold after this date, but may not be placed on the market again

FAQ | SLR/ELR – most important changes

What are the exceptions?

The following products, among others, are exempt from the two regulations, further exemptions can be found in the current SLR/ELR document under Annex III (SLR) and Annex IV (ELR):

www.eur-lex.eu



SLR <https://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX%3A32019R2020>

ELR <https://eur-lex.europa.eu/legal-content/EN/ALL/?uri=celex%3A32015R2120>

PRODUCTS NOT AFFECTED

- Emergency lighting
- Battery-powered light sources
- Original artwork
- Lighting for military and transport equipment and vehicles
- Screens and displays
- Medical equipment
- Marine equipment
- A few specialty or niche products
- Luminaires with replaceable light sources

FAQ | Changes data transparency

What is the EPREL database?

The product database **European Product Registry for Energy Labelling** (EPREL) will for the first time centrally bundle all relevant information on all light sources on the market and make it accessible to all users.

FAQ | Changes luminaires

Are LEDVANCE luminaires also affected by the SLR and will they also receive an energy label in the future?

No, LEDVANCE luminaires do not get an energy label because they are containing products and not a light source in the sense of the EU regulation.

FAQ | The new energy label

What changes by the new regulation?

- There will be a new energy efficiency label with a new scale. A++ to E will become A to G.
- The Energy Labeling Regulation applies to all light sources.
- Luminaires, as containing product, will no longer require an energy label as early as December 25, 2019. As a light source, luminaires must be labeled as of September 1, 2021.

Which products are affected by the new energy labeling regulation?

- All light sources will be evaluated in accordance with the energy labeling regulation.
- All light sources in the Ecodesign Regulation will fall within the scope of energy labelling from September 1, 2021.
- There are some exceptions in the regulation. Products for emergency use, light sources in batteries, original works of art, transportation and military equipment and vehicles, displays, medical devices and marine equipment do not need to be labeled.
- As of December 25, 2019, luminaires are no longer required to be labeled.
- Luminaires with fully integrated, i.e., non-replaceable, components are considered light sources and therefore will again require an energy label beginning September 1, 2021.

FAQ | The new energy label

What is the time frame for the implementation of the new rules?

- Trade has up to 18 months transition period to replace the old energy label for lamps (only) with the new one.
- The old energy labels must be replaced by March 1, 2023 at the latest.

What must be observed in the transition phase "Products with old energy label and changeover to new energy label"?

- Data of the new energy label must be placed on websites and in communication from 01.09.2021.
- In the transition phase until March 2023, products with old and new energy label may be available on the market.

What other tasks lie ahead for the retail sector?

The retail trade must ensure that after March 2023 any existing products with the old energy label are redesignated. For phase-out products the old energy label can still be shown online.