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Notice

NOTICE

The information contained in the following document is an interpretation of the mentioned EU regulations. It refers to the status valid on the date of publication and can change at any time.

The information is in no way an official interpretation of the requirements of the regulations and therefore do not replace the legal text.

Tridonic gives no guarantee that the information is up-to-date, complete or correct and is not responsible for errors or interpretations that lead to non-compliance with the regulation when implemented. Liability is excluded.

Ecodesign requirements

From September 1, 2021, three new EU regulatory requirements will apply to Tridonic products:

- _ Ecodesign requirements for light sources and separate control gear
- _ Energy Labelling of light sources
- _ European Product Registry for Energy Labelling (EPREL)

With the Ecodesign requirements, the EU defines minimum requirements for energy-related products that are uniform across Europe. Sub-areas of this are energy labelling and the EPREL product database.

With the energy labelling, an instrument was created for the visible, EU-wide uniform labelling of the energy efficiency of light sources. Suppliers must register their products in the EU product database EPREL for light sources.

Further information can be found in the original documents:

- _ **Ecodesign requirements** - [Commission Regulation \(EU\) 2019/2020](#) (incl. a consolidated version) **and** [2021/341](#)
- _ **Energy Labelling** - [Commission Delegated Regulation \(EU\) 2019/2015](#) (incl. a consolidated version) **and** [2021/340](#)
- _ **European Product Registry for Energy Labelling (EPREL)**, pursuant to [Regulation \(EU\) 2017/1369](#)

The following document provides a summary (German):

- _ [Ökodesign, Energieverbrauchskennzeichnung, EPREL-Datenbank - Anforderungen für die Beleuchtung, Version 2](#)

Product database EPREL

2.1. Public and non-public part

The EPREL product database contains a public and a non-public part.

The public part is accessible to everyone. In this part, the information on the energy label and the parameters of the product data sheet can be found. The link to the product entry in EPREL will in future be easy to read from light sources using the QR code on the energy label. It is also to be expected that comparison portals will use the EPREL product database.

Apart from the suppliers, only the market surveillance authorities and the EU have access to the non-public part. In this part, the supplier must enter the contents of the technical documentation of light sources, which can also be used for testing purposes by the market surveillance authorities. It should be emphasized here that the extensive specified values must also be compared with the corresponding measured values from the supplier.

2.2. Energy labelling



The design of the energy labels according to the new delegated regulation will be similar to the old version. What is new is that energy efficiency classes uniformly range from A to G for all products falling under the framework regulation 2017 /1369/EU and a QR code must be included on the label, which guides the consumer to the product entry of the light source in the product database if necessary.

2.3. Obligations and deadlines for manufacturers

Manufacturers of energy-related products must record and enter each article with its own article number in the EPREL database. There are precise specifications as to which technical data must be recorded (e.g. minimum luminous flux, current, voltage, efficiency) and how these are to be specified.

For Tridonic, the new requirements mean that "light sources" will be included in the EPREL database. This also has an impact on the design of the data sheets for the recorded products.

From May 1, 2021, data can be entered into the updated EPREL database. From September 1, 2021, all products that are brought onto the market must be recorded in the EPREL database. The parameters of the product data sheet and the content of the technical documentation for all light sources placed on the market must be entered into this product database.

For models (lamps and LED modules) that are already placed on the market before May 1, 2021 and beyond September 1, 2021, the supplier must also add the parameters for the new product data sheet to the product database from May 1, 2021 and can use it to create the new label in the product database. When placing on the market by August 31, 2021, the previous product data sheet must be provided in accordance with 2012/874, as well as the old label for products that are offered for sale at the "Point of Sales". The new label can already be supplied to dealers as a sticker on request. An obligation to do so does not exist until September 1, 2021.

Product database EPREL

From September 1, 2021, dealers have 18 months to sell these models with the old label or to apply the newly scaled label. If there is no relabeling, these models are no longer allowed to be sold from March 1, 2023.

2.4. What changes will be there for data sheets?

The specifications for the entry of the data in the EPREL database result in specifications for the design of the data sheets, for example additional measurements are required or it is prescribed how certain values must be specified. All in all, data sheets will change as a result. Some data will be omitted, other data will be added or displayed differently. The products have not been changed (technically), adjustments and changes to information are made exclusively on the basis of the new legal requirements.

In detail: Which data sheet information is deleted, which is added?

1. In the table "Specific technical data" the "typ. luminous flux" was stated. In the future, this value will be replaced by the "useful luminous flux" according to the EPREL specifications.
2. So far we have specified the "energy classification" for all operating modes in the data sheet. In the future, the energy classification will be given for the nominal operating current, which is also listed and entered in the EPREL database.
3. The value "L70B50" is additionally specified in the "Technical data" table.

Requirements for UK

As a consequence of Brexit, the UK is implementing its own versions of regulation (EU) 2019/2015 and the corresponding ecodesign regulation (EU) 2019 /2020. In the UK, both of these EU regulations will be combined into one single regulation known as an UK statutory instrument. This UK statutory instrument is under preparation with its publication expected during the summer of 2021.

It is being prepared on the basis of having identical technical requirements to the mentioned EU regulations (including the most recent EU amendments). Within the UK statutory instrument, a UK version of the energy label for light sources will be specified. But a counterpart to the EPREL is not foreseen.

Recommended reading (German): [Ökodesign, Energieverbrauchskennzeichnung, EPREL-Datenbank - Anforderungen für die Beleuchtung, Version 2](#)