

OFFICIAL DIARY

OF THE REPUBLIC OF CHILE
Ministry of the Interior and Public Security

I
SECTION

LAWS, REGULATIONS, DECREES AND RESOLUTIONS OF GENERAL ORDER

No. 42,724

Thursday, August 6, 2020

Page 1 of 4

General Norms

CVE 1794729

MINISTRY OF ENERGY

FIXED MINIMUM STANDARD OF ENERGY EFFICIENCY FOR PRODUCTS OF USE IN INDOOR LIGHTING THAT INDICATES

(Resolution)

No. 10 exempt.- Santiago, July 31, 2020.

Viewed:

The provisions of Decree Law No. 2,224, of 1978, on Mining, which creates the Ministry of Energy and the National Energy Commission; in Decree No. 97, of November 15, 2011, of the Ministry of Energy, which approves regulations that establish the procedure for the setting minimum energy efficiency standards and norms for their application; in the trade Ordinary No. 1,486, of October 18, 2019, of the Ministry of Energy, which begins the Public Consultation of the "Preliminary Technical Report for the Minimum Standard Update of Energy Efficiency Products for Indoor Lighting", from the Undersecretary of Energy; in the Resolution No. 7, of 2019, of the Office of the Comptroller General of the Republic, and

Considering:

1 That, in accordance with the provisions of Article 4, letter h) of Decree Law No. 2,224, of 1978, it corresponds to the Ministry of Energy to establish, by resolution, the minimum standards of energy efficiency that products, machines, instruments, equipment, artifacts, devices and materials that use any type of energy resource, which must have an energy consumption label for its marketing. The same rule establishes that the procedures, the labeling system and other standards necessary for the elaboration of energy consumption labels will be determined through a regulation of the Ministry of Energy.

2° That, in compliance with the aforementioned legal mandate, dated November 15, 2011, the The Ministry of Energy issued Decree No. 97, which Approves the Regulation that establishes the procedure for setting minimum energy efficiency standards and regulations for their application, henceforth and without distinction, the "Regulations".

3° That, globally, 15 percent of the electricity consumed is used for illuminate homes, schools and businesses and, according to estimates by UN Environment, it is expected lighting use to increase by 50 percent in the next two decades, so a transition to energy efficient lighting would help reduce demand worldwide of electrical energy for lighting between 40% and 60% by the year 2030. In our country, during 2018, this consumption represented 16.9% of residential electricity consumption, being the second highest consumption after refrigeration.

4th That, to obtain significant savings in this matter, a change is required widespread in conventional incandescent, halogen and fluorescent to light-emitting diodes (LED), so that in 2013 the first minimum energy efficiency standard in Chile for "Non-Directional Lamps for General Lighting ", thus allowing, gradually, the elimination of less technology efficient market. Said standard implied that since 2015, the

CVE 1794729 | Dirección General de Energía | **Dr. Jorge Larraín Rodríguez**

Central Table: +562-2486 3600 | Email: consultations@diarioficial.cl
Address: Dr. Torres Boonen N° 511, Providencia, Santiago, Chile.

This document has been signed electronically in accordance with law No. 19,799 and includes time stamping and electronic signature advanced. To verify the authenticity of a printed representation of it, enter this code on the website www.diarioficial.cl

commercialization of incandescent lighting technology, unless it could achieve a certain level of efficiency, thus encouraging the mass use of light bulbs halogen and LED technology. Currently, 75% of the market is divided between these two technologies, while compact fluorescent lamps take the remaining 25%. Additionally, LED technology has lowered its price considerably, matching prices of compact fluorescent lamps, which has helped make their use a reality in national homes.

5° That, however, the advances made in energy efficiency in terms of lighting, there is currently a significant opportunity for improvement, maintaining or improving at the same time, the quality of the light provided. Agree concludes in the "Preliminary Technical Report for the Minimum Energy Efficiency Standard Update Products for Indoor Lighting ", it is possible to replace low-efficiency products with quality lighting products, widely available today, which can reduce energy consumption between 80 to 90 percent.

6th That, on October 18, 2019, by means of ordinary official letter No. 1486, of the Undersecretary of Energy, the Public Consultation of the "Preliminary Technical Report for the Upgrade Minimum Standard for Energy Efficiency Lighting Products Interior ", hereinafter and indistinctly, the " Report ", referring both to the Superintendency of Electricity and Fuels, as well as the Ministry of Economy, Development and Tourism and the Ministry of Foreign Affairs, in compliance with the provisions of the Article 5 of the Regulations.

7th That, on October 17, 2019, the Undersecretary of Economic Relations International Ministry of Foreign Affairs, notified the World Organization of the Commerce (WTO) and its commercial partners, the start of the Public Consultation process

International regarding the Report.

8° That, of the different State agencies that were consulted, only the Superintendency of Electricity and Fuels issued its opinion regarding the Report consulted.

9 That, during the Public Consultation process, observations were received and Recommendations to the Report by Signify Chilena SA and Enel Distribución Chile SA

10th That, in accordance with the provisions of Article 6 of the Regulations, once the Public Consultation process, the Ministry of Energy may convene a Technical Committee of consultative nature, for the purposes of reviewing and analyzing the queries, comments and Observations received, however, there were no registered to participate in it.

11th That, the opinions issued by the companies indicated in the ninth considering above, were evaluated and weighted by the Ministry of Energy, after which a document that summarizes the results derived from the consultative process, which was put to public availability of interested parties on the website of the Public Consultation (<https://www.energia.gob.cl/consultas-publicas/informe-tecnico-preliminar-para-la-actualizacion-standard-minimum-of-energy-efficiency-products-for-use-of-interior-lighting>).

12. That, in response to the final paragraph of Article 6 of the Regulations, the Ministry prepared the Final Technical Report, which serves as the basis for setting the minimum efficiency standard energy for products for use in interior lighting, which is attached to this resolution as constitutive antecedent of the present administrative act.

13th That, having completed the stages of the procedure for setting standards minimum energy efficiency established in the Regulation and, in accordance with the provisions in its 7th article, it corresponds to set the minimum energy efficiency standard for products for use in interior lighting, along with its Implementation program.

I resolve:

I.- Set the following minimum energy efficiency standard for products used in interior lighting according to the following:

The manufacturer and / or importer may not market products of interior lighting defined in the following Scope and according to the Schedule of Application:

CVE 1794729 | Dirección: Juan Jorge Larraín Rodríguez

Central Table: +562-2486 3600. Email: consultations@diarioficial.cl
Address: Dr. Torres Boonen N° 511, Providencia, Santiago, Chile.

This document has been signed electronically in accordance with law No. 19,799 and includes time stamping and electronic signature advanced. To verify the authenticity of a printed representation of it, enter this code on the website www.diarioficial.cl

Scope:

This minimum energy efficiency standard will cover the following products used for indoor lighting for domestic use:

- Incandescent tungsten filament lamps for domestic use and lighting generally, that have a nominal power between 25 W and 200 W, lamps of form A or PS; lamps transparent or frosted, or with a white finish; sockets E26 or E27, according to scope and field of application of the IEC 60064/2005 Standard.

- Lamps with incorporated ballast (CFL) for general lighting, having a rated power up to 60 W; a nominal voltage between 100 V and 250 V; bushings Edison or Bayonet thread, according to the scope and field of application of the IEC 60969 standard (2001).

- Double-ended fluorescent lamps for general lighting, according to scope and to the field of application of the IEC 60081 (2002) standard, with its Addenda A1: 2000, A2: 2003 and A3: 2005. Lamps whose length exceeds 1200 mm and lamps are excepted from this requirement. lamps whose nominal power is greater than 40 W.

- Single-capped fluorescent lamp for general lighting, according to scope and field of application of the standard IEC 60901 (2001) with its Addenda A1: 1997, A2: 2000 and A3: 2004.

- Halogen tungsten lamps with single and double capped, for use domestic and similar general lighting purposes, rated voltage up to 250 volts, according to the scope and field of application of the IEC 60357: 2002-11 Standard.

- Tungsten halogen incandescent lamps (non-vehicular) with the following characteristics: They are powered with a voltage of up to 250 V; with dichroic reflector; with sockets: GU10, GU5.3, GU4 and E27.

- LED lamps with built-in ballast, with the following characteristics: -For use domestic and similar general lighting purposes; Nominal voltage up to 60 W; Sockets B15d, B22d, E11, E12, E14, E17, E26, E27, GU10, GZ10 and GX53. Included are LED lamps with filaments that emulate incandescent bulbs, as well as those that they work with devices to vary their light intensity, according to IEC 62612: 2018-08.

Application limits and schedule:

The minimum energy efficiency standard will be established gradually, and based on the metric "lm / W" (lumens / Watt) for general purpose rated bulbs or lamps, or for domestic use defined in the Scope, as follows:

- Minimum efficiency of 40 lm / W, from January 1, 2021.
- Minimum efficiency of 70 lm / W, from January 1, 2023.
- Minimum efficiency of 85 lm / W, from January 1, 2025.

The above implies that:

- As of January 1, 2021, lamps that have a yield of less than 40 lm / W;
- As of January 1, 2023, lamps that have a yield less than 70 lm / W;
- As of January 1, 2025, those lamps that have a performance less than 85 lm / W.

II.- Inform the Superintendency of Electricity and Fuel the provisions of the present resolution, so that, in accordance with the provisions of Article 10 of Decree No. 97, 2011, of the Ministry of Energy, which approves the Regulation that establishes the procedure for the setting minimum energy efficiency standards and norms for their application, adapt their technical standards with the purpose that the Certification Bodies only issue the certificate of approval in cases where products meet the minimum efficiency standard

CVE 1794729 | Dirección: Juan Jorge Larraín Rodríguez

Central Table: +562-2486 3600. Email: consultas@diarioficial.cl
Address: Dr. Torres Boonen N° 511, Providencia, Santiago, Chile.

This document has been signed electronically in accordance with law No. 19,799 and includes time stamping and electronic signature advanced. To verify the authenticity of a printed representation of it, enter this code on the website www.diarioficial.cl

energy set by this resolution, complying with the application dates of the Minimum Energy Efficiency Standard established.

Sign up, be published in the Official Gazette and on the website of the Ministry of Energy and Archived.- Juan Carlos Jobet Eluchans, Minister of Energy.

What I transcribe to you for your knowledge.- Greetings Atte. to you, Loreto Cortés Alvear, Head of Legal Division, Undersecretary of Energy.

CVE 1794729 | Director: ~~Wesley J. Linn~~ ~~Jorge Irazo Rodríguez~~

| ~~Central Table: +562 2486 3600~~ ~~Email: consultations@diarioficial.cl~~
| ~~Address: D. Torres Boonen N° 511, Providencia, Santiago, Chile.~~

This document has been signed electronically in accordance with law No. 19,799 and includes time stamping and electronic signature advanced. To verify the authenticity of a printed representation of it, enter this code on the website www.diarioficial.cl