Regulatory Bulletin
Ministry of Energy, Mines and Low Carbon Innovation
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Energy Efficiency Standards for General Service LED Lamps

The purpose of this regulation is to improve the energy efficiency of manufactured general service lamps. Improved energy efficiency can reduce energy costs for homeowners and businesses and reduce greenhouse gas emissions.

This circular includes updates (approved Feb 16, 2021) to the Energy Efficiency Standards Regulation (EESR) for general service LED lamps. Note that products manufactured for export from B.C. are exempt from these regulations.

For further information on energy efficiency standards, including detailed guidance on specific products, visit: British Columbia | Energy Efficiency Standards

Regulated Product

"General Service LED lamp" means a lamp that provides functional illumination, is screw based, and has:

1. a luminous flux of at least 310 lm but not more than 2,600 lm;
2. a nominal voltage of at least 110 volts but not more than 130 volts, or a nominal voltage range that lies at least partially between those voltages; and
3. a light source that comes from light-emitting diodes (LED);

but does not include a lamp described in any of paragraphs (a), (c) to (h), (k) to (o) or (q) of the definition of "general service lamp" in Section 433 (1) of the federal Energy Efficiency Regulations.

Updated[1] Energy Performance Standard

The update exempts General Service LED lamps from the requirements of an energy performance standard.

Effective Date

The effective date is January 1, 2020.

Certification and Labelling

The update exempts General Service LED lamps from verification and labelling requirements.

Test Standard

The update exempts General Service LED lamps from testing requirements.

[1] *Previously, General Service LED lamps were required to meet a performance standard. This performance standard for General Service LED lamps was: Efficacy must be ≥ 45 lm/W; CRI must be ≥ 80 for lamps other than non-modified spectrum lamps; and CRI must be ≥ 75 for modified spectrum lamps.*