

ENERGY EFFICIENCY REGULATIONS RÈGLEMENT SUR L'EFFICACITÉ ÉNERGÉTIQUE

COMPLIANCE / COMFORMITÉ

General Service Lamps (GSLs) Estimated Rated Life

Hello,

Through Amendment 18 to Natural Resources Canada's (NRCAN) Energy Efficiency Regulations, the energy efficiency requirements for general service lamps (GSLs) were updated. The Regulations require that product specific information such as "Rated life" be verified by a Standard Council of Canada (SCC)-accredited certification body and reported to NRCAN. Rated life must also be printed on the product's principal display panel and follow NRCAN's [labelling requirements](#).

NRCAN will accept estimated lifetime values that were determined using the methodology of test standard [10 C.F.R. 430.23\(gg\)](#) for general service lamps. More specifically, for general service LED lamps, this test standard references section 4.6 'Active Mode Test Method to Measure Time to Failure' of [10 C.F.R. 430 Appendix BB](#) to determine rated life values.

Certification bodies can authorize use of their mark based on preliminary lifetime testing. As reinforced by [10 C.F.R. 429.56 \(b\)\(2\)](#), "Lifetime and life are **estimated values** until testing is complete. When reporting estimated values, the certification report must specifically describe the prediction method, which must be generally representative of the methods specified in appendix BB." Please note, the decision to authorize their energy efficiency verification mark lies with the certification body.

Estimated "Rated life" values can be reported to NRCAN and be printed on the GSL label. We advise models reporting estimated values to list 'Yes' in the Mathematical Modeling column of the energy efficiency report (EER) while the lifetime testing is still in progress. Once the lifetime testing is complete, another EER with the updated values can be submitted through the [Compliance Regulatory Energy Efficiency Database \(CREED\)](#).

NRCAN encourages you to visit its [General service lamps](#) and the [Guide to the Energy Efficiency Regulations](#) websites for further details on energy efficiency requirements.

Please contact complianceops-opsconformite@nrcan-rncan.gc.ca if you have any questions.

Compliance Operations