

## Modification to General Service and Small Diameter Directional Lighting Regulatory Proposals

In September 2016, the B.C. Ministry of Energy, Mines and Petroleum Resources (Ministry) proposed amendments to the Energy Efficiency Standards Regulation (EESR) including new requirements for general service lamps (GSL) and small diameter direction lamps (SDDL). The Ministry published [regulatory impact statements](#) for the proposed standards, followed by a stakeholder workshop and comment period which concluded in November 2016.

In response to recent regulatory changes in neighboring jurisdictions, the Ministry has modified its proposed GSL and SDDL standards.

### *Recent changes to the United States Department of Energy (U.S. DOE) definition of General Service Lamps*

In 2016 B.C. proposed a new standard for SDDLs harmonized with the California Energy Commission standard for SDDLs effective January 1, 2018.

In January 2017, the U.S. DOE published a final rulemaking changing its definition of GSL to include, among other products, SDDLs representing significant market share in this product category. As such, the U.S. *Energy Independence and Security Act* GSL "backstop" requirement of 45 lm/W, effective January 1, 2020, will also apply to the most common SDDLs.

### *Modifications to B.C.'s proposed GSL and SDDL standards*

Given the above noted changes, the Ministry is revising its proposals for GSL and SDDL standards to harmonize with the U.S. DOE GSL requirements. This includes three primary changes: (1) a revised definition of SDDL to align with the U.S. DOE GSL definition; (2) a minimum 45 lm/W requirement for both SDDLs and GSLs; and (3) a revised effective date of January 1, 2020 for both GSLs and SDDLs.

The revised B.C. definition of SDDL is as follows:

**"Small Diameter Directional Lamp"** means a lamp that

- a) is non-tubular with a diameter less than or equal to 57mm
- b) has at least 80% of light output within a solid angle of pi steradians
- c) has one of the following connectors; E26, G4, GU5.3, GU10, GX5.3
- d) has a lumen output greater than 150 lm

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But does not include

1. MR shape lamps that have a first number symbol equal to 16 (diameter equal to 51mm) as defined in ANSI C79.1-2002, operate at 12 volts, and have a lumen output greater than or equal to 800;
2. Reflector lamps (as defined in this section) that have a first number symbol less than 16 (diameter less than 51mm) as defined in ANSI C79.1-2002 and that do not have E26/E24, E26d, E26/50x39, E26/53x39, E29/28, E29/53x39, E39, E39d, EP39, or EX39 bases;
3. Specialty MR lamps which are lamps that have an MR shape as defined in ANSI C79.1-2002, a diameter of less than or equal to 57mm, a lifetime of less than or equal to 300 hours.

### *Comments*

The Ministry is seeking comments from stakeholders on the above proposed changes. The comment period closes on Tuesday October 17, 2017. Submissions can be directed via email to:

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