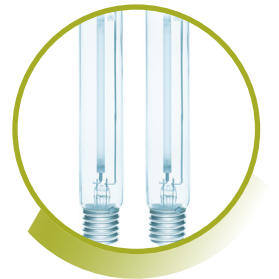


B.C. ENERGY EFFICIENCY ACT STANDARDS: General Service Lighting

MEMPR INFORMATION BULLETIN 09-06



What products are you regulating? The standard covers the majority of existing medium screw base incandescent light bulbs. The light bulbs covered by the regulation:

- have a lumen output of at least 250 lumens but no greater than 2600 lumens (*Note: equivalent to 40, 60, 75 and 100 watt lamps*)
- have a nominal voltage or voltage range that lies at least partially between 100 and 130 volts
- are screw based

Note: Modified spectrum lamps are also included in this regulation. They are required to meet an efficacy of 75% of the efficacy level of a reference standard spectrum lamp.

Are you forcing me to buy only CFLs after the effective date?

No. The regulation sets an efficiency standard (lumens/watt) for commonly-used light bulbs. With current product availability, the standard can be met by compact fluorescent lamps (CFL), halogen infrared lamps (HIR) and in some applications, light-emitting diode (LED) bulbs.

In the future, if a lighting manufacturer produces an incandescent light bulb that meets the efficiency standard, it will comply with the provincial regulation.

What is the regulated energy efficiency standard for those products?

General Service Lamps:

Efficacy $\geq 4.0357 * \ln(\text{Lumen output}) - 7.1345$

(Note: the expression: "ln (lumen output)" means the natural logarithm of the lumen output of the lamp)

Modified spectrum general service lamps:

Efficacy $\geq 75\%$ of the efficacy of the reference standard spectrum lamps

When will the regulations take effect in British Columbia?

The light bulb regulation applies to products manufactured on or after the following dates:

For 75 and 100 watt light bulbs: January 1, 2011

For 40 and 60 watt light bulbs: December 31, 2012.

Are there any exemptions to this regulation?

Incandescent lamps of 25 and 150 W are exempt from the regulation, as they currently only represent approximately 2% of total sales.

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Specialized lamp products such as those listed below are not covered by the regulation.

- an appliance lamp;
- an explosion-resistant lamp;
- a left-hand screw-based lamp;
- a traffic signal module, pedestrian module and street light
- coloured lamp;
- an infrared lamp;
- a plant lamp;

For a full list of products which are exempt from the regulation, visit the website below and look for the "Product Description" heading.

[http://oee.nrcan.gc.ca/regulations/bulletin/general-service-lamps-dec08.cfm?attr=0:](http://oee.nrcan.gc.ca/regulations/bulletin/general-service-lamps-dec08.cfm?attr=0)

Can I sell my inventory of non-compliant products after the effective date? If you have unsold inventory of products manufactured before the effective date, they can still be sold legally in British Columbia after the effective date.

How can I tell if a product is compliant with the energy efficiency regulations? The labelling for the lighting products will include the wattage on the bulb itself and the lumen output and life of lamp marked on the carton in which it is sold.

Who enforces this regulation? The Ministry of Energy, Mines and Petroleum Resources is responsible for enforcing all regulated standards under the *EEA*.

What are the penalties for non-compliance? Under the *EEA*, the Ministry can conduct inspections to verify compliance with the *Act* and regulations. Ministry staff follows up on all complaints and other information respecting non-compliance. The Ministry can also seek to have those who have contravened the legislation charged under the *Offence Act*. An offence can result in fines up to \$2,000.

What do I do if I see a non-compliant product for sale or distribution?

Please circulate this enforcement bulletin to the retailer or distributor. You can also report infractions to Erik Kaye, Ministry of Energy, Mines and Petroleum Resources at 250-356-1507 or Erik.Kaye@gov.bc.ca

For more information on B.C.'s Energy Efficiency Act:
www.empr.gov.bc.ca/EEC/Strategy/EEA/Pages/default.aspx