
Code Section Chapter 2, **HIGH-EFFICACY LAMPS.**

Brief Description:

Remove CFL from the qualified lamps. Create a uniform standard 65 lumens per watt.

Proposed code change text

**HIGH-EFFICACY LIGHT SOURCES.** Compact fluorescent lamps, Light Fixtures that use light emitting diodes (LED) lamps, T-8 or smaller diameter linear fluorescent lamps, or other lamps with a minimum efficacy of 65 lumens per watt.

1. 60 lumens per watt for lamps over 40 watts;
2. 50 lumens per watt for lamps over 15 watts to 40 watts; and
3. 40 lumens per watt for lamps 15 watts or less.

Purpose of code change:

Save energy, provide good purchasing guidance.

LED lamps cost no more than CFL, and in many cases less. LED are dimmable, come in many form factors and a variety of color temperatures. In many cases LED are available when CFL are not. Some CFL will still qualify at 65 lumens per watt, but not all.

There are no barriers to raising the standard.

Your amendment must meet one of the following criteria. Select at least one:

- □ Addresses a critical life/safety need.
- □ The amendment clarifies the intent or application of the code.
- □ Addresses a specific state policy or statute.  
  (Note that energy conservation is a state policy)
- □ Consistency with state or federal regulations.
- □ Addresses a unique character of the state.
- □ Corrects errors and omissions.

Check the building types that would be impacted by your code change:

- X Single family/duplex/townhome
- □ Commercial / Retail
- X Multi-family 1 – 3 stories
- □ Institutional
- □ Multi-family 4 + stories
- □ Industrial

May 13, 2019
Economic Impact Data Sheet

Briefly summarize your proposal’s primary economic impacts and benefits to building owners, tenants and businesses.

The life cycle cost tool demonstrates that 30 LED lamps operating 1000 hours per year will provide net present savings of $959, compared to CFL providing similar output. LCCT study attached below.

Provide your best estimate of the construction cost (or cost savings) of your code change proposal? (See OFM Life Cycle Cost Analysis tool and Instructions; use these Inputs. Webinars on the tool can be found Here and Here)

$0/square foot  (For residential projects, also provide $0/ dwelling unit)

Show calculations here, and list sources for costs/savings, or attach backup data pages

Provide your best estimate of the annual energy savings (or additional energy use) for your code change proposal?

.095/ square foot (or) Click here to enter text KBTU/ square foot

(For residential projects, also provide 210 KWH / dwelling unit)

Show calculations here, and list sources for energy savings estimates, or attach backup data pages

LCCT below. Cost clips below.

List any code enforcement time for additional plan review or inspections that your proposal will require, in hours per permit application:

This clarifies the existing rules, making code enforcement easier.
All questions must be answered to be considered complete. Incomplete proposals will not be accepted.
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“100 WATT Equivalent Lamps”, LED cost less than CFL

PAR 30 Lamps, LED cost less than CFL

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