

February 24, 2026

Chairwoman Sollman
Vice-Chair Smith

RE: HB 4060 – Relating to fluorescent lamps

Dear Members of the Senate Committee on Energy and Environment:

Please accept this testimony on behalf of the Appliance Standards Awareness Project (ASAP). We are a project of the American Council for an Energy Efficient Economy (ACEEE) dedicated to advancing cost-effective appliance and lighting standards at both the national and state level.

In 2022, ASAP and ACEEE published a joint report - *Farewell to Fluorescents: How a Phaseout Can Cut Mercury Pollution, Protect the Climate, and Save Money* – detailing research findings that Light Emitting Diodes (LEDs) are ready to widely replace fluorescent light bulbs.¹ We also published analysis showing savings states could see from transitioning common fluorescent light bulbs to LEDs.² We would be happy to provide additional information about this analysis or answer any questions.

HB 4060 has generated discussion about LED’s ability to fit and function within existing fluorescent ballasts and about the ease of converting to LEDs. We wish to provide the committee with findings from our lighting market research to help inform those discussions.

DROP-IN REPLACEMENT LED’S ARE WIDELY AVAILABLE, DESIGNED TO OPERATE IN FLUORESCENT BALLASTS

LEDs have advanced tremendously in recent years. Our lighting market research found that today LEDs are widely available and cost effective as replacements for general-purpose, white light fluorescent light bulbs across the different sizes and shapes. General-purpose, white light bulbs (see Figure 1) are most commonly found in office building settings or in certain residential situations like a kitchen or basement. There are now thousands of LED replacement models available to replace these types of fluorescent light bulbs.³



Figure 1. General-purpose, white light fluorescent light bulbs.

In particular, drop-in replacement LED’s are also now available by the thousands of models.⁴ These LEDs, also called Type-A LED’s, are designed to be easily placed directly into existing fluorescent ballasts and operate without any further setup. For our lighting market research, we compiled a database of 897 fluorescent ballasts from eight ballast manufacturers and found drop-in LED’s available for 93% of the ballasts.⁵ This data was gathered in 2022 and thanks to lighting manufacturers continuing to expand the

¹ For the ASAP/ACEEE report and state savings analysis visit <https://appliance-standards.org/clean-lighting>

² See <https://appliance-standards.org/sites/default/files/Oregon.pdf>

³ Farewell to Fluorescents report. See Page 14, Table 6.

⁴ Farewell to Fluorescents report. See Page 15, Table 7.

⁵ Farewell to Fluorescents report. See Page 17, Table 8.

number of drop-in LED's for even more fluorescent ballasts, we expect this drop-in compatibility to have increased by today and that it will continue to increase in the future. We also expect the 93% of fluorescent ballasts that have drop-in LED's available to be the highest selling models on the market. Any remaining fluorescent ballasts without a drop-in LED available can still use an LED. These situations would call for a Type-B LED, which are widely available products that by their nature can operate in any fluorescent fixture.

REPLACING FLUORESCENT BALLASTS OR FULLY CONVERTING BUILDINGS ALL AT ONE TIME IS NOT REQUIRED FOR COMPLIANCE

The original bill setting up the fluorescent light bulb phase out - HB 2351 of 2023 - did not require building owners to remove their fluorescent fixtures, or to proactively change out existing fluorescent lamps for LEDs, or to change all existing fluorescent lamps to LEDs at one time. The bill simply disallowed the sale of new general-purpose fluorescent lamps after January 1, 2025. This allowed for about an 18-month period after the bill was signed into law for building owners to prepare for new fluorescent lamps no longer being sold. Additionally, after January 1, 2025, building owners and others could continue to use any existing fluorescent lamps and fixtures already in use or already purchased. While a building owner may choose to remove all of their fluorescent fixtures or replace all of their fluorescent lamps at one time, this was not required.

CONVERTING TO LED'S SAVES MONEY, ENERGY, AND CARBON EMISSIONS

LED's are two times more energy efficient than fluorescent lamps and last 2-3 times longer, all while not containing mercury like fluorescents do. They generate significant economic savings for those purchasing the lamps as well as those paying the utility bills to operate the lamps, including tenants of commercial buildings.⁶ They also generate significant electricity and carbon emissions savings for the state.⁷ However, these savings can only accrue when the fluorescents are no longer used.

Thank you for your attention. We would be happy to provide further information, answer questions, or provide technical assistance.

Thank you,

Brian Fadie
State Policy Manager
Appliance Standards Awareness Project



This is real compatibility

Other lamps claim compatibility, but only InstantFit has been proven to work with over 350 ballasts and drivers delivering even light output, proven energy savings and a long average lifetime.

Figure 2. Advertisement from Philips noting one of their drop-in LED's works with over 350 fluorescent ballast models.

⁶ Farewell to Fluorescents report. See Pages 29-37.

⁷ Ibid.