

## Agenda

"How We Got Here"

- 1. Summary of Fluorescent lamp legislation
- 2. Summary of US General Service Lamp legislation

"What Do We Do About It"

3. Analysis of critical details and options for upgrading fluorescent lighting, to LED



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## Lamp Legislation

- 1. Introduction of US legislation affecting fluorescent lamps
  - Energy efficiency
  - Mercury bans
- 2. US general service lamp legislation

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#### Intro of legislation affecting fluorescent lamps

US Department of Energy (DOE) is mandated by Congress\* to set energy efficiency standards



- Various categories of lamps are included
- Luminaires are not

DOE must review these standards every 6 years and determine whether to update the standards or keep them as they are

\* Under the Energy Policy and Conservation Act (EPCA) and the Energy Independence and Security Act (EISA)



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### **Beyond Efficacy Standards**

- States seeing increased pressure to shift to LED technology, but limited options with existing Federal regulatory framework
- States began banning the sale of lamps containing mercury
- No movement at the US federal level to follow





#### Introduced "Lamps Containing Mercury" Bans

Jurisdiction	Status	Effective Date	Lamp types covered*
Illinois		January 1, 2024	Screw-base CFL
	Introduced Bill	January 1, 2025	Pin-base CFL and all LFL
Maryland	Introduced	January 1, 2024	Screw-base CEI
	DIED IN COMMITTEE	January 1, 2025	Pin-base CFL and all LFL
Massachusetts	Introduced Bill	January 1, 2024	Screw-base CFI
	Hearing on 7/19	January 1, 2025	Pin-base CFL and all LFL
Minnesota	Introduced Bill	January 1, <mark>2025</mark>	Screw-base CFL
		January 1, <mark>2026</mark>	Pin-base CFL and all LFL
Nevada	Introduced Bill	January 1, 2024	Screw-base CFL
	VETOED	January 1, 2025	Pin-base CFL and all LFL
* a person shall not manufacture	e distribute sell or offer for sal	CFL = compact fluorescent lamp	
a person shan not manufacture	, distribute, seil, of offer for sal	LFL = linear fluorescent lamp	

#### **Current Status of "Lamps Containing Mercury" Bans**

Jurisdiction	Status	Effective Date	Lamp types covered*
Vermont	Law	February 17, 2023 January 1, 2024	Screw-base CFLs Four-foot LFLs
California	Law	January 1, 2024 January 1, 2025	Screw-base CFL Pin-base CFL and all LFL
Colorado	Law	January 1, 2025	All linear fluorescent and all CFL (incl. pin-based)
Hawaii	Law	January 1, 2025 January 1, 2026	Screw-base CFL Pin-base CFL and all LFL
Maine	Law – Without Governor's signature	January 1, 2026 January 1, 2026	Screw-base CFL Pin-base CFL and all LFL
New York City	Local Law 88 (amended to #134)	January 1, 2025	Lighting must meet requirements of New York Cit Energy Conservation Code
* a person shall not manufactur	e, distribute, sell, or offer for sale	CFL = compact fluorescent lamp LFL = linear fluorescent lamp	
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Status	Effective Date	Lamp types covered*
Introduced Bill <mark>DEAD</mark>	December 31, 2023 December 31, 2024	Screw-base CFL Pin-base CFL and all LFL
Introduced Bill	January 1, <mark>2026</mark>	All mercury containing lamps
SENT TO GOVERNOR 6/21/2023	January 1, 2024 January 1, 2025	Screw-base CFL Pin-base CFL and all LFL
Introduced Bill	July 1, <mark>2025</mark>	High CRI (>=87) LFL, cold temp and impact resistan LFL
Sent to Governor 6/19/2023	January 1, 2024 January 1, 2025	Screw-base CFL Pin-base CFL and all LFL
Introduced Bill Dead for session	January 1, <mark>2026</mark>	All mercury-containing lamps
	Status Introduced Bill DEAD Introduced Bill SENT TO GOVERNOR 6/21/2023 Introduced Bill Sent to Governor 6/19/2023 Introduced Bill Dead for session	Status     Effective Date       Introduced Bill     December 31, 2023       DEAD     December 31, 2024       Introduced Bill     January 1, 2026       SENT TO GOVERNOR     January 1, 2024       6/21/2023     January 1, 2025       Introduced Bill     July 1, 2025       Sent to Governor     January 1, 2024       6/19/2023     January 1, 2025       Introduced Bill     January 1, 2025       Sent to Governor     January 1, 2025       Introduced Bill     January 1, 2025       January 1, 2025     January 1, 2025

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- "The backstop"
- "The 45 Im/W standard"
- and "The LED standard"

















## One light out

- Retrofit kit for the one light then slowly plan for new fixtures/system upgrade
- Retrofit kit for one light and then stock up on retrofit kits for remaining lights
- You're going to need a plan for after 2023

## No lights out

- Rethink your attic stock plan
- Plan for short term retrofit kits
- Plan ahead consider the right time to upgrade your system
- You're going to need a plan for after 2023







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