



| v3 - LEED 2009

PBT source reduction - mercury in lamps

MRC4.1 | Possible 1 point

Glossary

Intent

To reduce the release of Persistent Bioaccumulative and Toxic (PBTs) chemicals associated with the life cycle of building materials.

Requirements

In addition to the credit goals outlined in MR Prerequisite 2: PBT Source Reduction—Mercury, specify and install long lasting reduced mercury fluorescent lamps consistent with the following minimum criteria:

Fluorescent Lamp	Criteria
T-8 Eight-foot (Standard Output)	24,000 rated hours on instant start ballasts OR program start ballasts (3 hour starts)
T-8 Eight-foot (High Output)	18,000 rated hours on instant start ballasts OR program start ballasts (3 hour starts)
T-8 Four-foot (both Standard and High Output)	30,000 rated hours on instant start ballasts OR 36,000 rated hours on program start ballasts (3 hour starts)
T-8 Two-foot and Three-foot	24,000 rated hours on instant start ballasts OR program start ballasts (3 hour starts)
T-8 U-Bent	18,000 rated hours on instant start ballasts OR 24,000 rated hours on program start ballasts (3 hour starts)
T-5 (both Standard and High Output)	25,000 rated hours on program start ballasts
Compact fluorescent lamps, non-integral ballast	12,000 rated hours
Compact florescent lamps, integral ballast, bare bulb	10,000 rated hours
Compact fluorescent lamps, integral ballast, covered models such as globes, reflectors & A-19s	8,000 rated hours
High Pressure Sodium Lamp	Criteria
All HPS	Use non cycling type or replace with LED lamps or induction lamps

Note: Longer lamp life contributes to lower mercury use by reducing the frequency of lamp replacement. Do not specify or install circular fluorescent lamps on the project. Do not specify or install probe start metal halide lamps in the project.