

July 28, 2009

**Summary: New 2012 Standards for General Service Fluorescent Lamps (GSFL)**

Issued by the US Department of Energy June 29, 2009

Lamp Type	Correlated Color Temperature	Energy Conservation Standard lm/W
4-Foot (T8-T12) Medium Bi-pin ≥25W	≤ 4,500K	89
	> 4,500K and ≤ 7,000K	88
2-Foot (T8-T12) U-Shaped ≥25W	≤ 4,500K	84
	> 4,500K and ≤ 7,000K	81
8-Foot (T8-T12) Slimline ≥52W	≤ 4,500K	97
	> 4,500K and ≤ 7,000K	93
8-Foot (T8-T12) High Output	≤ 4,500K	92
	> 4,500K and ≤ 7,000K	88
4-Foot (T5) Miniature Bi-pin Standard Output ≥26W	≤ 4,500K	86
	> 4,500K and ≤ 7,000K	81
4-Foot (T5) Miniature Bi-pin High Output ≥49W	≤ 4,500K	76
	> 4,500K and ≤ 7,000K	72

**Effective Date of new DOE standards:** July 14 , 2012

**Current exemptions continue** [For example, lamps with CRI ≥87, cold temp. (CT), UV, etc.]

**Impact for Lamps ≤ 4500K and > 4,500K and ≤ 7,000K**

- T12 4-ft. & 2-ft U-lamps with medium bi-pin bases
  - Majority of F40 and F34T12 lamps and all FB40 and FB34T12 U-lamps fail.
  - 4-ft. requires 3560 lumens @ 40W and 3030 lumens @ 34W to pass @ 89 LPW.
  - 2-ft. U-lamps require 3360 @ 40W and 2856 @ 34W to pass @ 84 LPW.
  - CWX/DX/DSGN50/C50 are exempt due to CRI.
- T12 8-ft. Slimline with single pin bases
  - All 75W F96T12 lamps fail.
  - All 60W F96T12/ES fail except for the 800/SPX Series & some 700/SP long life Series.
  - CWX/DX/DSGN50/C50 are exempt due to CRI.
- T12 8-ft. 800mA HO with RDC bases
  - All 110W F96T12 HO lamps fail. Requires enhanced coatings with 10,120 lumens to pass.
  - All 95W F96T12/ES/HO fail except for enhanced 800 Series. Requires 8740 lumens to pass.
  - CWX/DX/DSGN50/C50 are exempt due to CRI; CW/CT & D/CT are exempt.
- T8 4-ft. & 2-ft. U-lamps with medium bi-pin bases
  - All 4-ft. T8 basic 700/SP Series lamps @ 2800 lumens fail. Requires 2850 lumens to pass.
  - All other 4-ft. pass.
  - All 2-ft. 800/SPX Series U-lamps pass. Some 700/SP Series pass.
- T8 8-ft. Slimline with single pin bases
  - All pass except some 700/SP Series. Requires 5723 lumens @ 59W to pass.
- T8 8-ft. HO with RDC bases
  - All pass except some 700/SP Series. Requires 7912 lumens @ 86W to pass.
- T5 4-ft with miniature bi-pin bases
  - All pass.