

New 2012 Standards for General Service Fluorescent Lamps (GSFL)

| 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) Single Pin 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 temperature (CT), UV, etc.]

Impact for Lamps ≤ 4500K and > 4500K and ≤ 7000K

- 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.t
 - 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 & 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.



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