

# DOE 2009 Energy Regulations:

## Fluorescent Lamps

Summary: Linear T12, T8 and T5, and U-bend lamps regulated.  
 Effective date: July 14, 2012  
 2 foot-U, 4 foot and 8 foot lamps must meet minimum INITIAL LPW requirements.  
 Lamps above 4500K have a slightly lower standard.



Lamp	Requirement	Impact
4 ft. fluorescent > = 25W Medium Bipin (T12 and T8)	89 LPW if 4500K or below 88 LPW if > 4500K (Up to 7000K)	<ul style="list-style-type: none"> <li>All Standard 4 ft. T12 lamps are eliminated</li> <li>F32 minimum 2850 lumens: Standard SP lamps at 2800 lumens don't meet standard Current F32/SPX, High Lumen, F30, F28 and 25W meet standard</li> </ul>
8 ft. fluorescent (Slimline) > = 52W (T12 and T8)	97 LPW if 4500K or below 93 LPW if > 4500K (Up to 7000K)	<ul style="list-style-type: none"> <li>Generally, 8 ft. T8 lamps meet standard</li> <li>Most T12 lamps eliminated except 60W SPX/WM T12</li> </ul>
8 ft. HO fluorescent Both T12 HO and T8 HO Cold Temp lamps exempt	92 LPW if 4500K or below 88 LPW if > 4500K (Up to 7000K)	<ul style="list-style-type: none"> <li>Many 8 ft. T12 HO eliminated (Both 110W nominal and 95W nominal)</li> <li>8' T8 HO lamps meet standard</li> <li>Cold Temperature Lamps are Exempt</li> </ul>
2 ft. U-lamps > = 25W includes 6", 3" and 1-5/8" spacing (T12 and T8)	84 LPW if 4500K or below 81 LPW if > 4500K (Up to 7000K)	<ul style="list-style-type: none"> <li>All T12 2 ft. U-lamps are eliminated</li> <li>T8 U-Bend Standard SP lamps are eliminated</li> <li>Only a few T8 SPX U-bend lamps will meet standard</li> </ul>
4 ft. T5 Lamps > = 26W (T5 HE lamps)	86 LPW if 4500K or below 81 LPW if > 4500K (Up to 7000K)	<ul style="list-style-type: none"> <li>All T5 HE lamps meet standard. (This regulation prevents manufacture of inexpensive T5 CW lamps)</li> </ul>
4 ft. T5 HO Lamps > = 49W (T5 HO Lamps)	76 LPW if 4500K or below 72 LPW if > 4500K (Up to 7000K)	<ul style="list-style-type: none"> <li>All T5 HO lamps meet standard (This regulation prevents manufacture of inexpensive T5 HO CW lamps)</li> </ul>

Examples of Fluorescent Lamps not covered (by minimum LPW standards): Other length lamps not specifically mentioned (such as 2 ft., 3 ft., and 5 ft. lamps). Lamps greater than 7000K. Lamps that are Plant Growth, Cold Temperature, Colored or Impact Resistant.

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