



Philips PLUS T8 High Output 8-Foot Fluorescent Lamps featuring ALTO® Lamp Technology

Ideal for industrial applications requiring longer life

T8 LAMPS



† This lamp is better for the environment because of its reduced mercury content. All Philips ALTO® lamps give you end-of-life options which can simplify and reduce your lamp disposal costs depending on your state and local regulations.

Reduce your maintenance costs

Philips PLUS T8 High Output 8-foot fluorescent lamps reduce the impact on the environment by offering long life and low mercury

Long life

- Extend the relamping cycle which reduces maintenance and disposal costs
- PLUS T8 HO 8-foot has the longest rated average life in the industry
- 30,000 hours rated average life[◇]

Sustainable lighting solution

- Low mercury: TCLP[‡]-compliant
- More light over life with 95% lumen maintenance than a MH 400/U at 67% lumen maintenance

Warranty Period: 24 months

([◇], [‡] See back page for footnote)

PHILIPS

sense and simplicity

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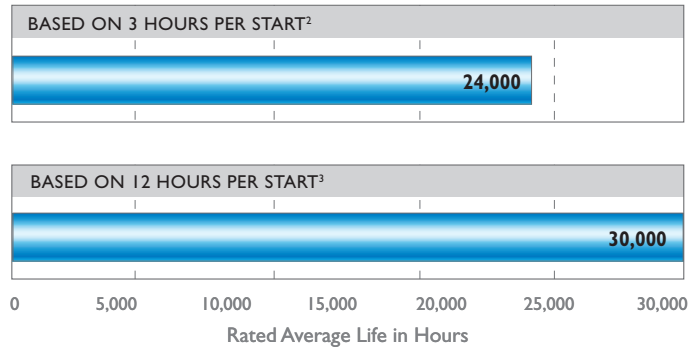
Ordering, Electrical and Technical Data (Subject to change without notice)

Product Number	Ordering Code	Pkg. Qty.	Nom. Length (In.)	Rated Average Life (Hrs.) ¹	Approx. Initial Lumens ⁴	Design Lumens ⁵	CCT (Kelvin)	CRI	Lumen Maintenance
38826-4	F96T8/TL830/HO/PLUS/ALTO	24	96	24,000	8200	7625	3000K	85	95%
38827-2	F96T8/TL835/HO/PLUS/ALTO	24	96	24,000	8200	7625	3500K	85	95%
38828-0	F96T8/TL841/HO/PLUS/ALTO	24	96	24,000	8200	7625	4100K	85	95%
38831-4	F96T8/TL741/HO/PLUS/ALTO	24	96	24,000	7900	7100	4100K	78	95%

- 1) Rated average life is the length of operation (in hours) at which point an average of 50% of a large sample of lamps will still be operational and 50% will not.
 - 2) Average life under specified test conditions with lamps turned off and restarted no more frequently than once every 3 operating hours. Lamp life is appreciably longer if lamps are started less frequently.
 - 3) Average life under engineering data with lamps turned off and restarted once every 12 operating hours.
 - 4) Approximate initial lumens. The lamp lumen output is based upon lamp performance after 100 hours of operating life, when the output is measured during operation on a reference ballast under standard laboratory conditions. For expected lamp lumen output, commercial ballast manufacturers can advise the appropriate ballast factor for each of their ballasts when they are informed of the designated lamp. The ballast factor is a multiplier applied to the designated lamp lumen output.
 - 5) Design lumens are the approximate lamp lumen output at 40% of the lamp's rated average life. This output is based upon measurements obtained during lamp operation on a reference ballast under standard laboratory conditions.
- o Lamp meets US Federal Minimum Efficiency Standards.

Rated Average Life¹

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For footnotes 1, 2 and 3, see above

Footnotes from front page:

- ∅ Average life under engineering data with lamps turned off and restarted once every 12 operating hours.
 ‡ The TCLP is the US EPA's Toxicity Characteristic Leaching Procedure.



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