

Philips Long Life T12 Fluorescent Lamps

featuring ALTO® Lamp Technology

Long Life, Environmentally-Responsible Lamps



Ideal replacement for any existing T12 fluorescent lamps in commercial or industrial facilities



► Long Life

- 24,000 hours rated average life¹
- 20% more life than standard T12 lamps means reduced maintenance and disposal costs
- One additional year of life vs. standard T12²

► Ballast

- Operates on current ballasts
- Magnetic or electronic
- Replace standard T12 lamps for longer life

► Environmentally Responsible

- Low mercury: TCLP³-compliant
- Energy efficient
- Long life

► Sustainable Lighting Solution

Less mercury and fewer lamps in landfills, combined with energy efficiency, reduces the impact on the environment

► Look for the Green End-Caps®

Our Green End-Caps mean you are using ALTO® environmentally-responsible lamps

1) 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.

2) Based on 4000 additional hours rated average life @ 12 hours per day/7 days per week.

3) The TCLP is the US EPA's Toxicity Characteristic Leaching Procedure.

PHILIPS

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

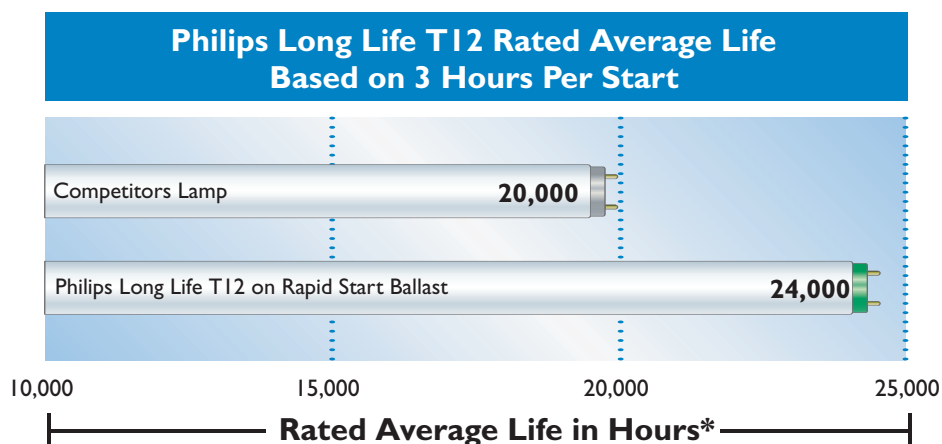
Product Number	Ordering Code	Bulb	Length (In.)	Approx. Initial Lumens ¹	Design Lumens ²	Nominal Watts	Rated Average Life (Hrs.) ³	Color Temp. (Kelvin)	Color Rendering Index (CRI)
Ⓔ I4251-3	F34T12/CW/EW/LL/ALTO	T12	48	2650	2300	34	24,000	4100	62
Ⓔ I4252-1	F34T12/WW/EW/LL/ALTO	T12	48	2700	2350	34	24,000	3000	53

1) 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.

2) 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.

3) 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.

Ⓔ Lamp meets US Federal Minimum Efficiency Standards.



* 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.

† This fluorescent lamp is better for the environment because of its reduced mercury content. All fluorescent lamps contain mercury for effective operation, however, Philips lamps with ALTO® Lamp Technology average 70% less mercury than the 2001 industry average for fluorescent lamps up to sixty inches which are not TCLP-compliant.

