Philips Energy Advantage T8 Lamps featuring ALTO II™ Technology

Ideal for applications requiring maximum energy savings

T8 COLLECTION

ALTO II™ means 50% less mercury than the original ALTO T8 lamps†

† Original 2', 3' and 4' T8 lamps featuring ALTO® Lamp Technology had 3.5mg of mercury. New 2', 3' and 4' T8 lamps featuring ALTO II™ Technology have 1.7mg of mercury.

Energy savings, extra low mercury

Philips Energy Advantage T8 lamps offer high energy savings in an environmentally responsible lamp.

Outstanding energy savings

- Save 7 watts per lamp instantly when compared to a 32W T8 lamp
- Save $21 in energy costs over the rated average life of the lamp*
- Operates on any Instant Start and Programmed Start Ballast‡

Extended life

- Reduce maintenance costs by extending the relamping cycle
- Warranty period: 30 months

Better for the environment

- Only 1.7mg of mercury with ALTO II™ Technology
- Reduced impact on the environment without sacrificing performance

(*, ‡ See back of page for footnotes)

PHILIPS

sense and simplicity

Philips Energy Advantage T8 Lamps featuring ALTO II™ Technology

Ordering, Electrical and Technical Data

	Product Number	Ordering Code	Watts	Pack. Qty.	Color Temp. (Kelvin)	Nom. Length (In.)	Rated Average Life (hrs)[1] 12-hr on Ins. Start	12-hr on Prog. Start	Approx. Initial Lumens[2]	Design Lumens[3]	CRI	Lumen Maint.
E ●	13781-0	F32T8/ADV830/XEW/ALTO	25	25	3000	48	30,000	36,000	2500	2425	85	97%
E ●	13782-8	F32T8/ADV835/XEW/ALTO	25	25	3500	48	30,000	36,000	2500	2425	85	97%
E ●	13783-6	F32T8/ADV841/XEW/ALTO	25	25	4100	48	30,000	36,000	2500	2425	85	97%
E ●	13784-4	F32T8/ADV850/XEW/ALTO	25	25	5000	48	30,000	36,000	2400	2330	85	97%
E ●	14732-2	F32T8/ADV830/EW/ALTO	28	25	3000	48	30,000	36,000	2725	2645	85	97%
E ●	14733-0	F32T8/ADV835/EW/ALTO	28	25	3500	48	30,000	36,000	2725	2645	85	97%
E ●	14734-8	F32T8/ADV841/EW/ALTO	28	25	4100	48	30,000	36,000	2725	2645	85	97%
E ●	14735-5	F32T8/ADV850/EW/ALTO	28	25	5000	48	30,000	36,000	2675	2595	85	97%
E ●	14771-0	F32T8/ADV830/EW/ALTO	30	25	3000	48	30,000	36,000	2850	2765	85	97%
E ●	14772-8	F32T8/ADV835/EW/ALTO	30	25	3500	48	30,000	36,000	2850	2765	85	97%
E ●	14773-6	F32T8/ADV841/EW/ALTO	30	25	4100	48	30,000	36,000	2850	2765	85	97%
E ●	14774-4	F32T8/ADV850/EW/ALTO	30	25	5000	48	30,000	36,000	2800	2715	85	97%

1) Average life under engineering data with lamps turned off and restarted once every 12 operating hours.

2) 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.

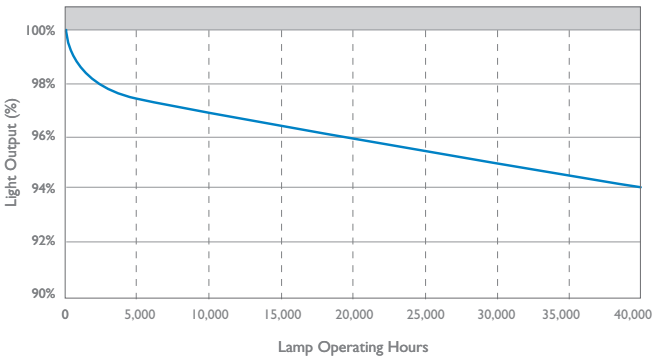
3) Design lumens are the approximate lamp lumen output at 40% of the lamp's rated average life. This output is based upon measurements obtained during lamp operation on a reference ballast under standard laboratory conditions.

E Lamp meets US Federal Minimum Efficiency Standards.

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

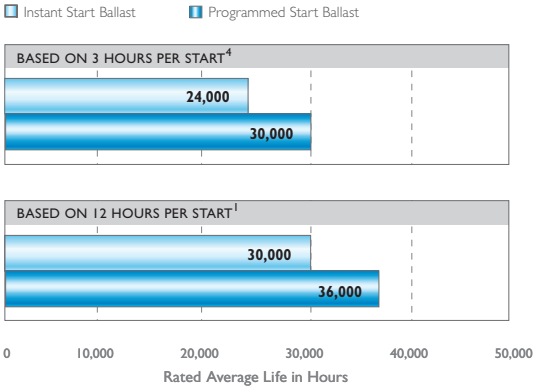
97% Lumen Maintenance

Philips Energy Advantage T8 Lamps



Rated Average Life

Philips Energy Advantage T8 Lamps



4) 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.

Footnotes from front page:

* Based on wattage savings (7w) x rated average life (30,000 hours) x kWh rate ($ .10).

‡ Starting voltage should be equal to or greater than 550V. These lamps are not recommended for use where the temperature in fixture is below 70°F. Striations may occur where air movement is present in fixture. For best operation, use ballast with anti-striation circuitry.

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