

Philips Energy Advantage T8 Lamps

featuring ALTO® Lamp Technology

Environmentally Responsible Lamps:
Energy Saving, Extended Life and Low Mercury



Photo © Z. Jedrus

Ideal for applications requiring maximum energy savings



▶ 25W is the Lowest Wattage T8 in the Industry

- Save 7 watts per lamp instantly and up to 25% in energy costs when compared to a 32W T8 lamp
- Save \$21 in energy costs over the rated average life of the lamp¹ when compared to a 32W T8 lamp

▶ Extended Life

- 30,000 hours rated average life³ at 12 hours per start on instant start ballasts
- 36,000 hours rated average life³ at 12 hours per start on programmed start ballasts

▶ Sustainable Lighting Solution

- Reduces the impact on the environment
- Low mercury
- Energy efficient
- Extended life

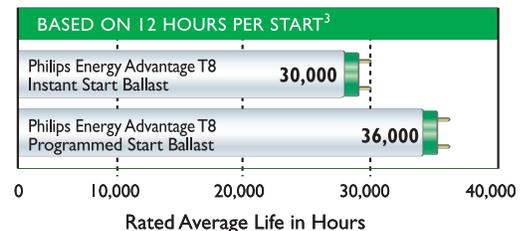
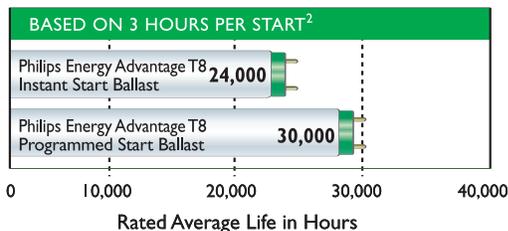
▶ Operates on any Instant Start and Programmed Start Ballast⁴

▶ Available in 25W, 28W and 30W

▶ Philips Energy Advantage T8 Warranty Period: 30 Months

1) Based on 30,000 hour rated average life @ .10¢ per KWH @ 12 hours per start on an instant start ballast.
 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) 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.

Philips Energy Advantage T8 Lamps Rated Average Life



PHILIPS

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

Product Number	Ordering Code	Package Qty.	Color Temp. (Kelvin)	Nominal Length (in)	Rated Average Life (hrs) ¹		Approx. Initial Lumens ²	Design Lumens ³	Color Rendering (CRI)	Lumen Maintenance
					12-hr on Instant Start	12-hr on Programmed Start				
ⓔ 13781-0	F32T8/ADV830/XEW/ALTO 25 WATT	25	3000K	48	30,000	36,000	2475	2400	85	97%
ⓔ 13782-8	F32T8/ADV835/XEW/ALTO 25 WATT	25	3500K	48	30,000	36,000	2475	2400	85	97%
ⓔ 13783-6	F32T8/ADV841/XEW/ALTO 25 WATT	25	4100K	48	30,000	36,000	2475	2400	85	97%
ⓔ 13784-4	F32T8/ADV850/XEW/ALTO 25 WATT	25	5000K	48	30,000	36,000	2400	2330	85	97%
ⓔ 14732-2	F32T8/ADV830/EW/ALTO 28 WATT	25	3000K	48	30,000	36,000	2725	2645	85	97%
ⓔ 14733-0	F32T8/ADV835/EW/ALTO 28 WATT	25	3500K	48	30,000	36,000	2725	2645	85	97%
ⓔ 14734-8	F32T8/ADV841/EW/ALTO 28 WATT	25	4100K	48	30,000	36,000	2725	2645	85	97%
ⓔ 14735-5	F32T8/ADV850/EW/ALTO 28 WATT	25	5000K	48	30,000	36,000	2675	2595	85	97%
ⓔ 14771-0	F32T8/ADV830/EW/ALTO 30 WATT	25	3000K	48	30,000	36,000	2850	2765	85	97%
ⓔ 14772-8	F32T8/ADV835/EW/ALTO 30 WATT	25	3500K	48	30,000	36,000	2850	2765	85	97%
ⓔ 14773-6	F32T8/ADV841/EW/ALTO 30 WATT	25	4100K	48	30,000	36,000	2850	2765	85	97%
ⓔ 14774-4	F32T8/ADV850/EW/ALTO 30 WATT	25	4100K	48	30,000	36,000	2800	2715	85	97%

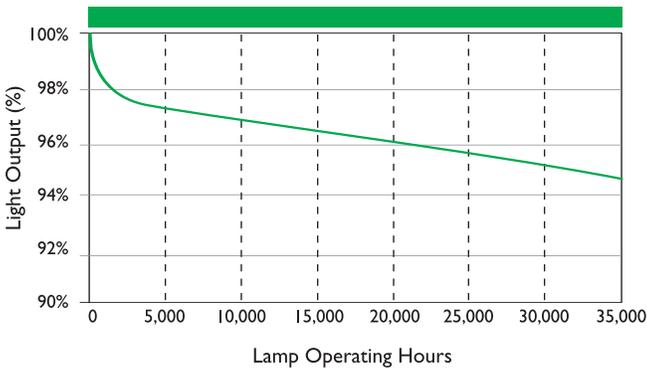
1) Average life under engineering data with lamps turned off and restarted once every 12 operating hours.

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.

ⓔ Lamp meets US Federal Minimum Efficiency Standards.

Philips Energy Advantage T8 Lamps 97% Lumen Maintenance



Dollars Saved Over the Life of Energy Advantage Lamps vs Standard F32T8 Lamps

Energy Savings Calculator

kWh Rate	Energy Advantage 30W T8 Saves 2 watts vs. 32W T8	Energy Advantage 28W T8 Saves 4 watts vs. 32W T8	Energy Advantage 25W T8 Saves 7 watts vs. 32W T8
	Savings Over 30,000 Hour Rated Average Life ¹		
\$0.06	\$3.60	\$7.20	\$12.60
\$0.08	\$4.80	\$9.60	\$16.80
\$0.10	\$6.00	\$12.00	\$21.00
\$0.12	\$7.20	\$14.40	\$25.20
\$0.20	\$12.00	\$24.00	\$42.00



† 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.