

Philips Energy Advantage
T8 25W U-Bent
Lamps featuring ALTO®
Lamp Technology

*Ideal for applications
requiring maximum
energy savings*

ENERGY ADVANTAGE T8



† 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.



Energy Saving T8 U-Bent Lamps

Philips Energy Advantage T8 25W U-Bent Lamps are environmentally responsible lamps, featuring energy savings and low mercury.

25W is the lowest wattage T8 U-Bent in the industry

- Save 7 watts per lamp instantly and up to 25% in system energy costs when compared to a 32W T8 U-Bent
- Save over \$16.80 in energy costs over the rated average life of the lamp when compared to a 32W T8 U-Bent*

Sustainable lighting solution

- Reduces the impact on the environment—low mercury and energy efficient

Ideal for locations already using the linear Philips Energy Advantage 25W T8 lamp

Philips Energy Advantage T8 U-Bent warranty period: 24 months

* Based on 24,000 hour rated average life at \$0.10 per kWh at 12 hours per start on an instant start ballast (7W x 24000 hours / 1000 x \$0.10 = \$16.80).

PHILIPS

sense and simplicity

Philips Energy Advantage T8 25W U-Bent Lamps featuring ALTO® Lamp Technology

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

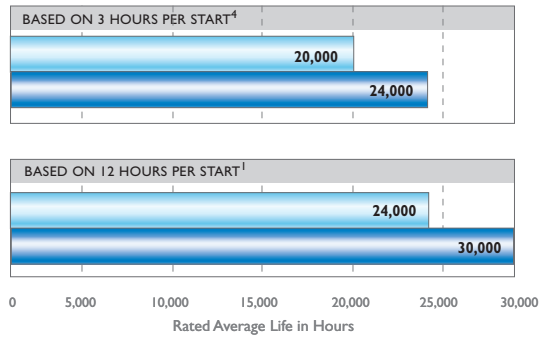
Product Number	Ordering Code	Pack. Qty.	Color Temp. (Kelvin)	Nom. Length (In.)	Rated Average Life (hrs) ¹		Approx. Initial Lumens ²	Design Lumens ³	CRI	Lumen Maint.
					12-hr on Ins. Start	12-hr on Prog. Start				
20420-6	FB32T8/ADV830/6/XEW/ALTO 25 WATT	20	3000	22 7/16	24,000	30,000	2400	2330	85	95%
20421-4	FB32T8/ADV835/6/XEW/ALTO 25 WATT	20	3500	22 7/16	24,000	30,000	2400	2330	85	95%
20423-0	FB32T8/ADV841/6/XEW/ALTO 25 WATT	20	4100	22 7/16	24,000	30,000	2400	2330	85	95%
20424-8	FB32T8/ADV850/6/XEW/ALTO 25 WATT	20	5000	22 7/16	24,000	30,000	2350	2280	84	95%

- 1) Average life under specified test conditions with lamps turned off and restarted no more frequently than once every 12 operating hours. Lamp life is appreciably longer if lamps are started less frequently.
- 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.
- 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.

Rated Average Life

Philips Energy Advantage T8 25W U-Bent Lamps

Instant Start Ballast
 Programmed Start Ballast



- 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.

Dollars Saved Over the Life of the Lamp

Philips Energy Advantage T8 25W U-Bent Lamp vs. the Industry Standard T8 32W U-Bent Lamp

kWh rate	Watts Saved [†]	Savings over 24,000 hour Rated Average Life ^{**} Instant Start	Savings over 30,000 hour Rated Average Life ^{**} Programmed Start
\$0.06	7W	\$10.08	\$12.60
\$0.08	7W	\$13.44	\$16.80
\$0.10	7W	\$16.80	\$21.00
\$0.12	7W	\$20.16	\$25.20
\$0.20	7W	\$33.60	\$42.00

[†]Compared to the Industry Standard T8 32W U-Bent Lamp.

^{**}Based on wattage savings (7W) × rated average life (24000 hours) / 1000 × kWh rate.



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