
# An energy saving solution for government facilities

Philips Energy Advantage T8 25W Extra Long Life Lamps featuring ALTO II™ Technology

asimpleswitch

PHILIPS
sense and simplicity

# Energy savings, extra lon life, extra low mercury, and a 7-year warranty!*

## Philips Energy Advantage T8 25W Extra Long Life Lamps featuring ALTO II™

### Energy efficient lighting not only reduces operating costs; it also supports a clean and sustainable environment

Philips Energy Advantage T8 25W Extra Long Life Lamps save up to 7 watts instantly when compared to a T8 32W lamp.

### Reduce Your Energy Costs

| Save 7 watts when you replace an existing T8 32W lamp with an Energy Advantage T8 25W Extra Long Life lamp | | | | |
|---|---|---|---|---|
| | Annual operating hours (12 hours/day) (24 hours/day) | | Savings Over Lamp Life (40,000 hrs Rated Average Life) | |
| kWh Rate | 4380 hours[1] | 8760 hours[2] | 1 lamp | 4 lamps |
| 0.06 | $1.84 | $3.68 | $16.80 | $67.20 |
| 0.08 | $2.45 | $4.91 | $22.40 | $89.60 |
| 0.1 | $3.07 | $6.13 | $28.00 | $112.00 |
| 0.12 | $3.68 | $7.36 | $33.60 | $134.40 |
| 0.15 | $4.60 | $9.20 | $42.00 | $168.00 |
| 0.2 | $6.13 | $12.26 | $56.00 | $224.00 |


### The lowest mercury levels in the industry

Philips ALTO II™ Technology leads the industry with the lowest mercury level of only 1.7mg per lamp, helping you obtain LEED-EB certification.

With just 18 Picograms per lumen hour[3], these lamps allow for more design freedom and help exceed your LEED requirements.[4]

(See back page for footnotes)

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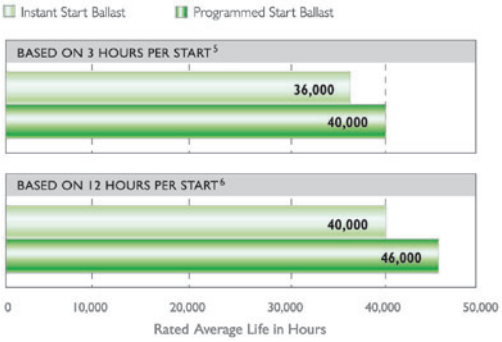
# Technology

## Superior performance, reduced maintenance—guaranteed!

Philips Energy Advantage T8 25W Extra Long Life Lamps are guaranteed to last 7 years* reducing maintenance costs by extending the relamp cycle.

## Rated Average Life

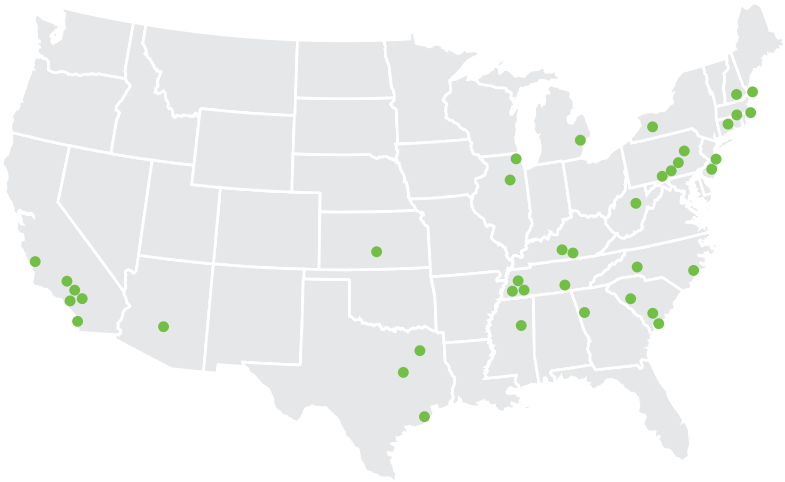
Philips Energy Advantage T8 25W Extra Long Life lamps last up to 46,000 hours.




## Made in USA

Philips ALTO II™ T8 lamps are manufactured in one of the world's largest fluorescent, state-of-the-art plants located in Salina, Kansas.

- Philips Lighting North America's manufacturing facilities, corporate offices, and distribution centers.



## Ordering, Electrical and Technical Data

| Product Number | Ordering Code | Watts | Pack. Qty. | Color Temp. (Kelvin) | Nom. Length (In.) | Rated Average Life (hrs)[6] 12-hr on Ins. Start | 12-hr on Prog. Start | Approx. Initial Lumens[7] | Design Lumens[8] | CRI | Lumen Maint. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 15206-6 | F32T8/ADV830/XLL/ALTO | 25 | 25 | 3000 | 48 | 40,000 | 46,000 | 2400 | 2330 | 85 | 97% |
| 15207-4 | F32T8/ADV835/XLL/ALTO | 25 | 25 | 3500 | 48 | 40,000 | 46,000 | 2400 | 2330 | 85 | 97% |
| 15208-2 | F32T8/ADV841/XLL/ALTO | 25 | 25 | 4100 | 48 | 40,000 | 46,000 | 2400 | 2330 | 85 | 97% |
| 15209-0 | F32T8/ADV850/XLL/ALTO | 25 | 25 | 5000 | 48 | 40,000 | 46,000 | 2350 | 2280 | 82 | 97% |

TCLP COMPLIANT †

Alto II™

**FOOTNOTES:**

* 7 year warranty based on burning a maximum of 4000 hours per year on a Philips Advance Optanium® ballast. See Philips for further warranty details.

1) 4380 based on operating the lamps 12 hours per day / 7 days a week.
2) 8760 based on operating the lamps 24 hours per day / 7 days a week.
3) Picogram calculation: Mercury content (mg) per lamp x 1,000,000,000 / (RAL x design lumens) = picogram per lumen hour.
4) For more information on LEED, please visit www.usgbc.org
5) 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.
6) Average life under engineering data with lamps turned off and restarted once every 12 operating hours.
7) 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.
8) 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.

● 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.

† Fluorescent lamps that are TCLP compliant reduce the amount of pollutants released into the environment.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