



Philips EssentialLine T8
Lamps featuring ALTO II
Technology

*Ideal for applications
requiring maximum
maintained light output*

T8 Collection



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

† 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. ALTO II Lamps have only 1.7mg of mercury.

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

Energy savings, reformulated blend

Philips EssentialLine T8 Lamps offer high energy savings in an environmentally responsible lamp, without sacrificing performance.

Value Energy Advantage (VEA)

- Save 7 watts per lamp instantly when replacing a standard T8 32W lamp with Philips T8 25W lamp to a T8 32W lamp
- Save \$31 in energy costs over the rated average life of the 25W XEW lamp** when replacing a standard T8 32W lamp with Philips T8 25W lamp
- Operates on any Instant Start and Programmed Start Ballast¹

Extended life

- Reduce maintenance costs by extending the relamping cycle
- Limited warranty period based on usage⁺

Better for the environment

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

(**, 1, +, See back page for footnotes)

PHILIPS

Philips EssentiaLine 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		Approx. Initial Lumens ²	Design Lumens ³	CRI	Lumen Maint.
						12-hr on Ins. Start	12-hr on Prog. Start				
42418-4	F32T8/VEA835/XEW/ALTO 25W	25	30	3500	48	38,000	44,000	2300	2230	82	97%
42420-0	F32T8/VEA841/XEW/ALTO 25W	25	30	4100	48	38,000	44,000	2300	2230	82	97%
42422-6	F32T8/VEA850/XEW/ALTO 25W	25	30	5000	48	38,000	44,000	2300	2230	82	97%
42417-6	F32T8/VEA835/EW/ALTO 28W	28	30	3500	48	38,000	44,000	2600	2520	82	97%
42419-2	F32T8/VEA841/EW/ALTO 28W	28	30	4100	48	38,000	44,000	2600	2520	82	97%
42421-8	F32T8/VEA850/EW/ALTO 28W	28	30	5000	48	38,000	44,000	2600	2520	82	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. Design lumens rated at 3 hours per start on instant 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.
- Ⓛ 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.

Footnotes from front:

** Based on wattage savings (7W) x rated average life (44,000 hours) x kWh rate (\$.10).

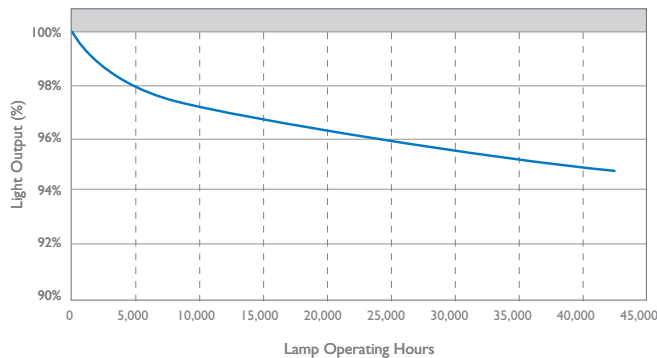
1 Starting voltage should be equal to or greater than 550V. These lamps are not recommended for use where the temperature in fixture is below 70°F.

Striations may occur where air movement is present in fixture. For best operation, use ballast with anti-striation circuitry.

+ See your sales representative for details

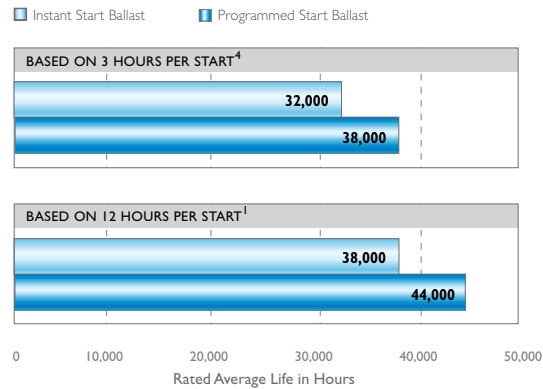
97% Lumen Maintenance

Philips EssentiaLine T8 Lamps



Rated Average Life

Philips T8 Lamps



Do not place in trash - dispose according to local, state, or federal laws



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