

Philips Energy Advantage
PL-T Lamps featuring
ALTO® Lamp Technology

*Ideal for applications
requiring maximum
energy savings*

Energy Advantage



† 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.

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

Energy savings made simple

Philips Energy Advantage PL-T Lamps are a simple way to save energy.

Sustainable lighting solution

- Only 1.4 mg of mercury per lamp—the lowest mercury content in a PL-T lamp in the industry
- Energy saving system without changing a ballast
- Up to 21% energy savings when replacing the above 32W and 42W lamps†

Broad range of color temperatures

- Available in 3000K, 3500K and 4100K

High light output in a compact size

- Light output is comparable to the standard PL-T 32W or 42W lamps
- 88% lumen maintenance

Excellent color rendering of 82 CRI

New design

- New bridged design allows for better efficiency and an even more compact size

† 32 watt-27 watt=5 watt/32 watt=15%
42 watt-33 watt=9 watt/42 watt=21%

PHILIPS

sense and simplicity

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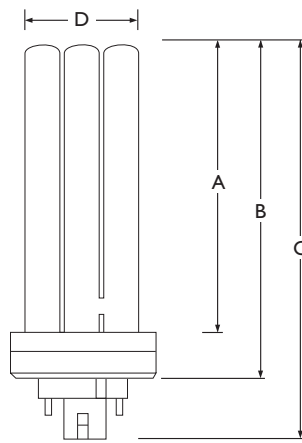
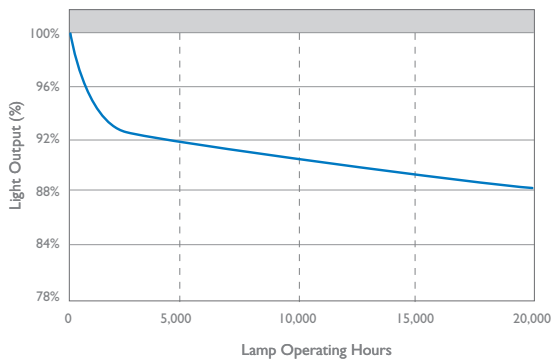
Ordering, Electrical and Technical Data (Subject to change without notice)

Product Number	Ordering Code	Nom. Watts	Base	Pack. Qty.	Color Temp. (Kelvin)	MOL (In.)	Rated Average Life (Hrs.) ¹		Approx. Initial Lumens ⁴	Design Lumens ⁵	CRI	Lumen Maint.
							3-hr Start ²	12-hr Start ³				
22021-0	PL-T 32W/830/XEW/4P/ALTO 27W	27	Gx24q-3	10	3000	5½	16,000	20,000	1875	1725	82	88%
22022-8	PL-T 32W/835/XEW/4P/ALTO 27W	27	Gx24q-3	10	3500	5½	16,000	20,000	1875	1725	82	88%
22024-4	PL-T 32W/841/XEW/4P/ALTO 27W	27	Gx24q-3	10	4100	5½	16,000	20,000	1875	1725	82	88%
22026-9	PL-T 42W/830/XEW/4P/ALTO 33W	33	Gx24q-4	10	3000	6½	16,000	20,000	2615	2400	82	88%
22028-5	PL-T 42W/835/XEW/4P/ALTO 33W	33	Gx24q-4	10	3500	6½	16,000	20,000	2615	2400	82	88%
22029-3	PL-T 42W/841/XEW/4P/ALTO 33W	33	Gx24q-4	10	4100	6½	16,000	20,000	2615	2400	82	88%

- 1) Rated average life is the length of operation (in hours) at which point an average of 50% of a large sample of lamps will still be operational and 50% will not.
 - 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) 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.
 - 5) 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.
- 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.

88% Lumen Maintenance

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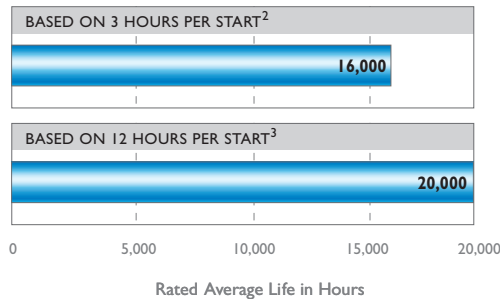
Dimensions

	27W	33W
A	3.9"/99mm	4.8"/122mm
B	4.8"/122mm	5.7"/145mm
C	5.5"/140mm	6.3"/160mm
D	1.6"/41mm	1.6"/41mm

Rated Average Life

Philips Energy Advantage PL-T Lamps

■ Programmed Start Ballast



Upgrade your lighting using the Philips Energy Advantage PL-T and save

Replace Standard PL-T	with Energy Advantage PL-T	Energy Savings
32W Standard PL-T	27W Energy Advantage PL-T	Save 5W
42W Standard PL-T	33W Energy Advantage PL-T	Save 9W



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