

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

*Ideal for applications
requiring maximum
energy savings*

ENERGY ADVANTAGE PL-T



† 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 savings made simple.

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

Save energy without changing a ballast

- Two wattages available—27W and 33W
 - 27W is a direct replacement for a PL-T 32W lamp, saving 5 watts of energy
 - 33W is a direct replacement for a PL-T 42W lamp, saving 9 watts of energy
- Up to 21% energy savings when replacing the above 32W and 42W lamps*
- No new ballast required

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

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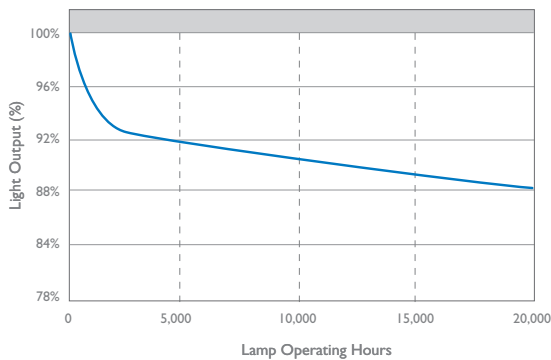
Ordering, Electrical and Technical Data (Subject to change without notice)

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	3000K	5½	16,000	20,000	1875	1725	82	88%
22022-8	PL-T 32W/835/XEW/4P/ALTO 27W	27	Gx24q-3	10	3500K	5½	16,000	20,000	1875	1725	82	88%
22024-4	PL-T 32W/841/XEW/4P/ALTO 27W	27	Gx24q-3	10	4100K	5½	16,000	20,000	1875	1725	82	88%
22026-9	PL-T 42W/830/XEW/4P/ALTO 33W	33	Gx24q-4	10	3000K	6½	16,000	20,000	2615	2400	82	88%
22028-5	PL-T 42W/835/XEW/4P/ALTO 33W	33	Gx24q-4	10	3500K	6½	16,000	20,000	2615	2400	82	88%
22029-3	PL-T 42W/841/XEW/4P/ALTO 33W	33	Gx24q-4	10	4100K	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.

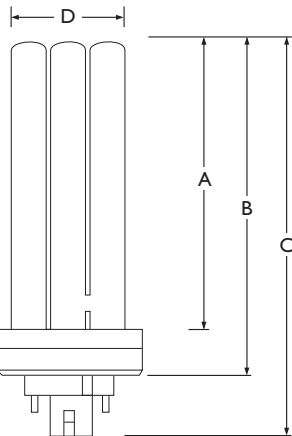
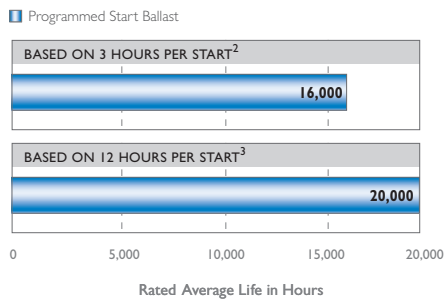
88% Lumen Maintenance

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Rated Average Life

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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



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