

# PHILIPS

Fluorescent

Slimline Plus T8



## Long life, environmentally responsible lamps

### Long Life

- Up to 36,000 hours rated average life
- 60% more life than competitor's 8-foot T8 lamps. Long life means reduced maintenance and disposals costs

### Environmentally Responsible

- Low mercury: TCLP\* and California TTL\* compliant
- Energy efficient
- Long life

### Sustainable Lighting Solution

- Less mercury and fewer lamps in landfills, combined with energy efficiency reduces the impact on the environment
- Our Green End-Caps mean you are using environmentally-responsible lamps

### Outstanding Lumen Maintenance

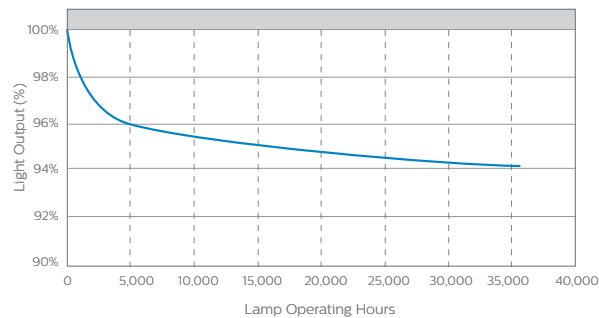
- Hi-Vision® Phosphor combined with Philips exclusive cathode guard delivers:
- 90% lumen maintenance
  - Reduced lamp-end blackening

See back page for footnotes.

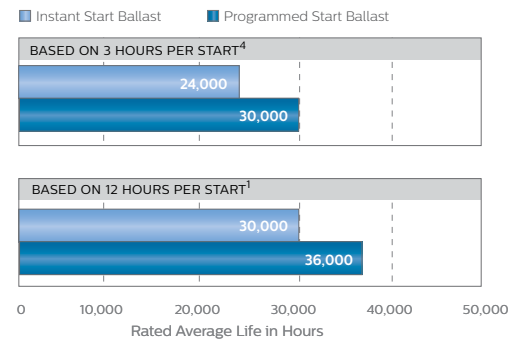
# Philips Slimline Plus T8 with Alto Technology

Philips product no.	Ordering code	Pack. qty.	Color temp. (K)	Nominal length (in.)	Rated avg. life (Hrs.) <sup>1</sup>		Approx. initial lumens <sup>2</sup>	Design lumens <sup>3</sup>	CRI	Lumen maintenance
					3-hr Start	12-Start				
© 23684-4	F96T8/TL835/PLUS ALTO	25	3500	96	24,000	30,000	5900	5490	85	95%
© 23685-1	F96T8/TL841/PLUS ALTO	25	4100	96	24,000	30,000	5900	1280	85	95%
© 23686-9	F96T8/TL850/PLUS ALTO	25	5000	96	24,000	30,000	5780	2040	82	95%

## 95% Lumen Maintenance Philips T8 Lamps



## Rated Average Life Philips T8 Lamps



## Slimline Plus T8 with Alto Technology 8-foot System—Lamp

### Specification Lamps shall be Philips Slimline Plus T8 with Alto Technology 8-foot Lamps having:

- Color rendering index of \_\_\_ (78 or 85)
- T8 diameter bulb
- Single pin bases
- Color temperature of \_\_\_\_\_ K (3000, 3500, 4100, 5000)
- Nominal wattage of 59
- Powered by electronic ballasts designed for F96T8 lamps



1. Rated average life based on Instant Start systems at 3 hours and 12 hours per start respectively. Rated 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.
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.

Lamp meets US Federal Minimum Efficiency Standards.

† This fluorescent lamp is better for the environment because of its reduced mercury content. All fluorescent lamps contain mercury for effective operation, however, Philips lamps with ALTO® Lamp Technology average 70% less mercury than the 2001 industry average for fluorescent lamps up to sixty inches which are not TCLP-compliant.

Footnote from front:

\*The TCLP is the US EPA's Toxicity Characteristic Leaching Procedure, and the TTL is California's Total Threshold Limit Concentration test.



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

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