

# Philips Advantage T12 Fluorescent Lamps

featuring ALTO® Lamp Technology

High Performance, Long Life, Environmentally-Responsible Lamps



Photo © Zbig Jedrus.

**Ideal for applications requiring maximum continuous light output such as offices, industry, healthcare, schools and retail**



## ▶ Long Life

24,000 hours rated average life<sup>1</sup> (20% more life than Philips 800 Series Lamps)

## ▶ High Performance

- More initial lumen output than Philips 800 Series Lamps
- Replace Philips Ultralume with Philips Advantage for longer life and higher lumen output
- Approximate initial lumens range from 2950–3600

## ▶ Available in 34W Econ-O-Watt® and 40W

## ▶ Enhanced CRI

85 CRI (higher than standard T12 lamps)

## ▶ Ballast

- Operates on current ballasts
- Magnetic or electronic
- Replace standard T12 lamps for longer life

## ▶ Environmentally Responsible

- Low mercury: TCLP<sup>2</sup>-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

## ▶ Look for the Green End-Caps®

Our Green End-Caps mean you are using ALTO® environmentally-responsible lamps

1) 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) The TCLP is the US EPA's Toxicity Characteristic Leaching Procedure.

# PHILIPS

**Philips Advantage T12 Fluorescent Lamps Featuring ALTO® Lamp Technology**  
Electrical, Technical and Ordering Data (Subject to change without notice)

Nominal Watts	Old Product: Ultralume		New Product: Advantage									
	Product Number	Ordering Code	Product Number	Ordering Code	Bulb	Length (In.)	Approx. Initial Lumens <sup>1</sup>	Design Lumens <sup>2</sup>	Rated Average Life (Hrs.) <sup>3</sup>	Color Temp. (Kelvin)	Color Rendering Index (CRI)	
34	23781-8	F34/30U/RS/EW/ALTO	14257-0	F34T12/ADV830/EW/ALTO	T12	48	3100	2945	24,000	3000	85	
34	23782-6	F34/35U/RS/EW/ALTO	14258-8	F34T12/ADV835/EW/ALTO	T12	48	3100	2945	24,000	3500	85	
34	23783-4	F34/41U/RS/EW/ALTO	14259-6	F34T12/ADV841/EW/ALTO	T12	48	3100	2945	24,000	4100	85	
34	23784-2	F34/50U/RS/EW/ALTO	14260-4	F34T12/ADV850/EW/ALTO	T12	48	2950	2800	24,000	5000	85	
40	27298-9	F40/30U/ALTO	26604-9	F40T12/ADV830/ALTO	T12	48	3600	3420	24,000	3000	85	
40	27299-7	F40/35U/ALTO	26631-2	F40T12/ADV835/ALTO	T12	48	3600	3420	24,000	3500	85	
40	27309-4	F40/41U/ALTO	26640-3	F40T12/ADV841/ALTO	T12	48	3600	3420	24,000	4100	85	
40	27315-1	F40/50U/ALTO	26643-7	F40T12/ADV850/ALTO	T12	48	3450	3280	24,000	5000	85	

- 1) 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.
- 2) 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.
- 3) 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.

† 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.

