

# Philips 800 Series T12 Fluorescent Lamps

featuring ALTO® Lamp Technology

High Performance, Long Life, Environmentally-Responsible Lamps



Photo © Z. Jedrus.

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



## ▶ Performance

- High CRI of 82
- Approximate initial lumens range from 2650–3200
- Replace Philips SPEC Lamps with Philips 800 Series Lamps for higher CRI

## ▶ Long Life

- 20,000 hours rated average life<sup>1</sup>

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

## ▶ 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 800 Series T12 Fluorescent Lamps Featuring ALTO® Lamp Technology**  
Electrical, Technical and Ordering Data (Subject to change without notice)

Nominal Watts	Old Product: SPEC		New Product: Philips 800 Series Lamps									
	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	23775-0	F34/SPEC30/RS/EW/ALTO	14253-9	F34T12/830/EW/ALTO	T12	48	2800	2660	20,000	3000	82	
34	23777-6	F34/SPEC35/RS/EW/ALTO	14254-7	F34T12/835/EW/ALTO	T12	48	2800	2660	20,000	3500	82	
34	23779-2	F34/SPEC41/RS/EW/ALTO	14255-4	F34T12/841/EW/ALTO	T12	48	2800	2660	20,000	4100	82	
34		Now Available >	14256-2	F34T12/850/EW/ALTO	T12	48	2650	2520	20,000	5000	82	
40	27311-0	F40/SPEC30/ALTO	14261-2	F40T12/830/ALTO	T12	48	3200	3040	20,000	3000	82	
40	27291-4	F40/SPEC35/ALTO	14262-0	F40T12/835/ALTO	T12	48	3200	3040	20,000	3500	82	
40	27295-5	F40/SPEC41/ALTO	14263-8	F40T12/841/ALTO	T12	48	3200	3040	20,000	4100	82	
40		Now Available >	14264-6	F40T12/850/ALTO	T12	48	3050	2900	20,000	5000	82	

- 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.



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