# 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 inital 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[1]

## 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[2]-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

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# Philips 800 Series T12 Fluorescent Lamps Featuring ALTO® Lamp Technology

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

| | **Old Product:** SPEC | | **New Product:** Philips 800 Series Lamps | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Nominal Watts | Product Number | Ordering Code | Product Number | Ordering Code | Bulb | Length (In.) | Approx. Initial Lumens[1] | Design Lumens[2] | Rated Average Life (Hrs.)[3] | 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.*

BETTER FOR THE ENVIRONMENT† Alto®

U.S. GREEN BUILDING COUNCIL MEMBER

energy ENERGY STAR PARTNER

PHILIPS