Powerful, ultra-slim circular lamps

Philips T5 Circular and HO Circular lamps are ultra-slim with improved color rendering, high efficacy, and long life. T5 HO circular lamps offer extraordinary light output.

**Slim profile lamp and ballast**
- Design flexibility
- Improved optical control
- Fixtures can be 45% smaller than standard T9 circline systems

**Better for the environment**
- Dimmable for additional energy savings
- Energy efficient
- Less material means less waste
- Longer life
- Only 5mg of mercury per lamp

**T5 HO circular lamps offer 70% more lumens than standard T5 circular lamps**

**Operates on programmed start ballasts**
# Philips T5 Circular and High Output (HO) Circular Fluorescent Lamps

## Ordering, Electrical and Technical Data

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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.

5) 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.

6) 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.

Above specifications subject to change without notice.

### 85% Lumen Maintenance

**T5 Circular and HO Circular Fluorescent Lamps**

![Graph showing 85% Lumen Maintenance](image)

### Rated Average Life

**T5 Circular and HO Circular Fluorescent Lamps**

![Graph showing Rated Average Life](image)

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