

# PHILIPS

## T8 Fluorescent Lamp

### PLUS T8 Gold



# Environmentally responsible, long life and low mercury

Ideal for illuminating semiconductor clean rooms, and genetic testing and research laboratories.

## Blocks UV Emissions

- Filters out all wavelengths below 520nm
- Provides life-long protection against damaging UV rays, unlike phosphor coatings which can degrade over the life of the lamp

## Long Life

- Long life lamps extend the relamping cycle, thereby reducing maintenance and disposal costs
- 36,000 hours rated average life<sup>1</sup> at 12 hours per start on instant start ballasts
- 42,000 hours rated average life<sup>1</sup> at 12 hours per start on programmed start ballasts

## Safe Operation

- Permanently-affixed sleeve
- Shatter-resistant coating
- Will not crack, peel or flake with age

## Sustainable lighting solution

Reduces the impact on the environment

- Low mercury
- Energy efficient
- Long life

## Philips T8 Warranty Period

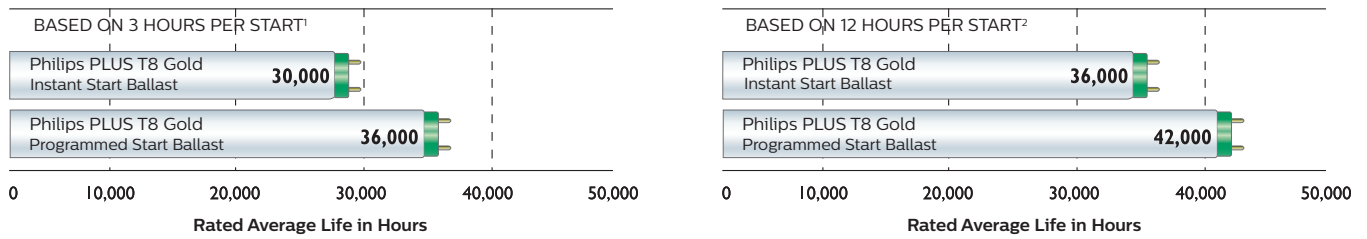
- 36 months

<sup>1</sup>) Average life under engineering data with lamps turned off and restarted once every 12 operating hours.

<sup>1</sup>) This lamp is better for the environment because of its reduced mercury content. All Philips ALTO® lamps give you end-of-life options which can simplify and reduce your lamp disposal costs depending on your state and local regulations.

# Philips PLUS T8 Gold Fluorescent Lamps

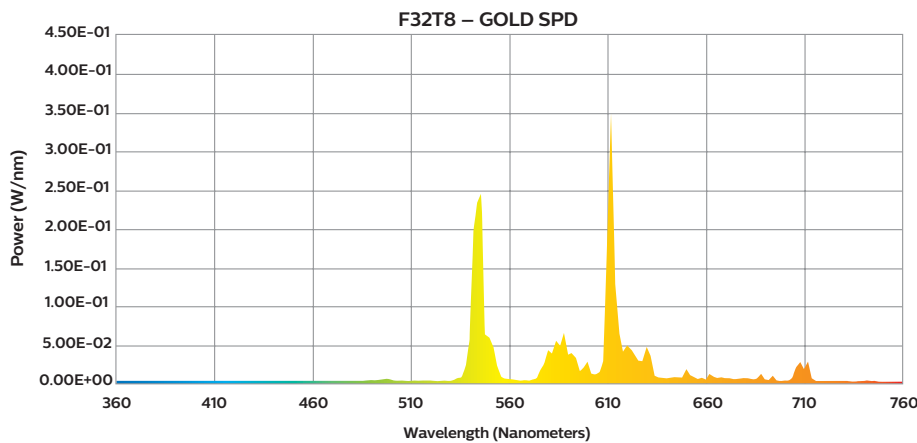
## Rated Average Life



## Ordering, Electrical and Technical Data

Product Number	Order Code	Package Qty.	Color Temp. (K)	Nom. Length (in)	Rated Avg. Life (Hrs.) <sup>1</sup>		Approx. Lumens <sup>2</sup>	Design Lumens	Lumen Maintenance
					12-hr on Instant Start	12-hr on Programmed Start			
<b>PLUS T8 Gold Fluorescent Lamp</b>									
45772-1	F32T8/Gold/PLUS/ALTO	30	3500K	48	36,000	42,000	2400	2280	95%

- Average life under engineering data with lamps turned off and restarted once every 12 operating hours.
- 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.
- 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. Lamp meets US Federal Minimum Efficiency Standards.



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