



# PHILIPS

## Long Life Universal Start Fluorescent Lamps

**Feature:** T8 Medium Bipin featuring **HI-VISION<sup>®</sup>** Phosphor. 24,000 Hour

**Watts:** 32

**Bulb:** T8

**Base:** Med. Bipin

**Product Number:** 046677-36013-1

**Ordering Code:** F32T8/TL741 PLUS/ALTO

**Package Quantity:** 25

**Description:** TL 70, 4100K, Long Life

**CRI:** 78

**Design Lumens:** 2710

**Nominal Length:** 48

**Approximate Initial Lumens:** 2850

**Avg Life Hrs Rapid Start:** 24,000

**Average Instant Life Hours:** 24,000

*This Bulb Meets US Federal  
Minimum Efficiency Standard*



### Footnotes

- 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.
- 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 lamps Rated Average Life. This output is based upon measurements obtained during lamp operation on a reference ballast under standard laboratory conditions.
- Universal T8 lamps have full rated life on Instant Start, Rapid Start and Programmed Start ballasts.
- Features **ALTO<sup>®</sup>** Lamp Technology
- High Color Rendering Lamps (CRI 70-79)