

# Easily upgrade to LED from fluorescent.



## PHILIPS INSTANTFIT LED T8 LAMPS



**Philips InstantFit LED T8 Lamps** are an ideal energy saving choice for existing linear fluorescent fixtures.

### Perfect for a wide range of applications

- Full light output in spaces with temperatures down to -22°F (-30°C)
- Perfect for applications with frequent “on/off” switching cycles
- Buildings that desire to be mercury free

### Easy to experience

- Instant on, no flicker or buzz
- Fits into existing linear fixtures
- Compatible with Instant Start ballasts<sup>1</sup> eliminating the need for rewiring and allows fixture to maintain original UL and CSA compliance

### Energy savings

- Over 41% energy savings vs F32T8 electronic instant start systems<sup>2</sup>

### Sustainable lighting solution

- No mercury allowing for non-hazardous waste disposal
- Emits virtually no UV rays or IR
- Glass-free for use in food areas and refrigerated food displays
- 4 year limited warranty<sup>3</sup>

(1, 2, 3, See back page for footnotes)



# PHILIPS

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

| Product No. | Model No.  | Ordering Code          | Volts        | Base | CRI | Color Temp. (K) | Pkg Qty | Rated Avg. Life <sup>5</sup> | MOL (In.) | Beam Angle |
|-------------|------------|------------------------|--------------|------|-----|-----------------|---------|------------------------------|-----------|------------|
| 433060      | 9290002840 | 14.5T8/48-3000 IF 10/I | 120-277, 347 | G13  | 83  | 3000            | 10      | 50,000                       | 48        | 160        |
| 433268      | 9290002862 | 14.5T8/48-3500 IF 10/I | 120-277, 347 | G13  | 83  | 3500            | 10      | 50,000                       | 48        | 160        |
| 433078      | 9290002841 | 14.5T8/48-4000 IF 10/I | 120-277, 347 | G13  | 83  | 4000            | 10      | 50,000                       | 48        | 160        |
| 433086      | 9290002842 | 14.5T8/48-5000 IF 10/I | 120-277, 347 | G13  | 83  | 5000            | 10      | 50,000                       | 48        | 160        |

| Product No. | Ordering Code          | Model No.  | Bare Lamp Watts (W)       |                              |                            | Average System Watts (W)  |                              |                            | Initial Lumens <sup>4</sup> |                              |                            |
|-------------|------------------------|------------|---------------------------|------------------------------|----------------------------|---------------------------|------------------------------|----------------------------|-----------------------------|------------------------------|----------------------------|
|             |                        |            | Low Ballast Factor (0.78) | Normal Ballast Factor (0.88) | High Ballast Factor (1.18) | Low Ballast Factor (0.78) | Normal Ballast Factor (0.88) | High Ballast Factor (1.18) | Low Ballast Factor (0.78)   | Normal Ballast Factor (0.88) | High Ballast Factor (1.18) |
| 433060      | 14.5T8/48-3000 IF 10/I | 9290002840 | 12.5                      | 14.5                         | 20                         | 14.5                      | 16.5                         | 22                         | 1300                        | 1500                         | 1900                       |
| 433268      | 14.5T8/48-3500 IF 10/I | 9290002862 | 12.5                      | 14.5                         | 20                         | 14.5                      | 16.5                         | 22                         | 1300                        | 1500                         | 1900                       |
| 433078      | 14.5T8/48-4000 IF 10/I | 9290002841 | 12.5                      | 14.5                         | 20                         | 14.5                      | 16.5                         | 22                         | 1400                        | 1600                         | 2000                       |
| 433086      | 14.5T8/48-5000 IF 10/I | 9290002842 | 12.5                      | 14.5                         | 20                         | 14.5                      | 16.5                         | 22                         | 1450                        | 1650                         | 2100                       |

1. Must follow guidelines for installation from Philips Quick Installation Guide included with lamp shipment.  
 2. (2) Lamp F32T8 Electronic Instant Start System with 0.88 Ballast Factor = 58 SystemWatts (2) Philips LED T8 InstantFit = 34 SystemWatts 58 - 34 = 24 SystemWatts Saved 24 / 58 = 41.4% Energy Saved

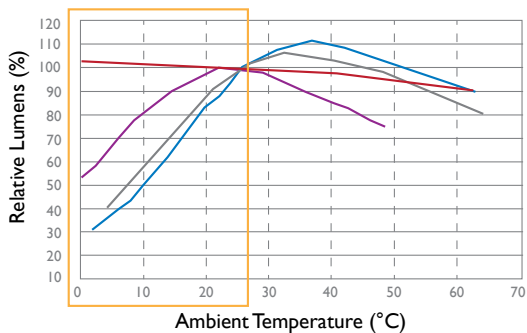
3. See warranty for terms and conditions.  
 4. Photometric testing consistent with IES LM-79.  
 5. Tested to B50 L70 requirement. For systems using a low (0.78) or normal (0.88) ballast factor, InstantFit lamps are rated for 50,000 hours (B50, L70). For systems using a high ballast factor, InstantFit products are rated for 40,000 hours (B50, L70). Based on usage of 3 hrs/day, 7 days a week.

## Ballast Compatibility Guide

Please refer to [www.philips.com/tled](http://www.philips.com/tled) for instant start ballasts details and the latest ballast compatibility guide.

### Relative Light Output vs. Ambient Temperature

4' T8 Lamps – 0.88 BF Ballast



— 25W — 28W — 32W T8 — 14.5W InstantFit TLED  
 Relative light output with respect to 25°C rated temperature

Suitable for use in fixtures where ambient temperature is between -22°F (-30°C) and 113°F (45°C).

**Warning:** Philips LED T8 InstantFit lamps will only operate properly on compatible instant-start ballasts. Please refer to the Philips LED T8 InstantFit Installation Guide, which can be obtained through your local Philips Sales Representative, or visit [www.philips.com/tled](http://www.philips.com/tled)



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