



**Only Contractor  
InstantFit T8 LEDs has  
been proven to work  
with 216 types of  
ballast, delivering  
even light output,  
energy savings and a  
long average lifetime.**

### **Contractor-grade InstantFit (UL Type-A) T8**

The InstantFit LED lamps provide hassle-free installation with simple lamp-for-lamp replacements. They deliver what we promise, with at least 40% energy savings, flicker-free performance, and the life you would expect. Other lamps claim compatibility but only InstantFit (UL Type A) has been proven to work with over 350 ballasts and drivers, delivering even light output, with proven energy savings and a long average lifetime. End users will be delighted being under these comfortable and high quality InstantFit lamps with no visible flicker and optimized optics. Energy managers will enjoy the InstantFit lamps too as they can count the savings delivered by our lamps. To enjoy more energy savings, the InstantFit lamps can be paired with the Advance TLED drivers to create a Type C system.

# Contractor-grade InstantFit (UL Type-A) T8

## Benefits

- Proven over 40% energy savings (Savings based on comparison to F32T8 electronic instant start systems.)
- No visible flicker – All InstantFit lamps are below 1.02 (Refer to NEMA77, IEC 61547 & IEC 63158 standard for SVM – Stroboscopic Visibility Measure).
- Driver Usage – A variety of drivers enable optimizing the light output and wattage consumption for each application.

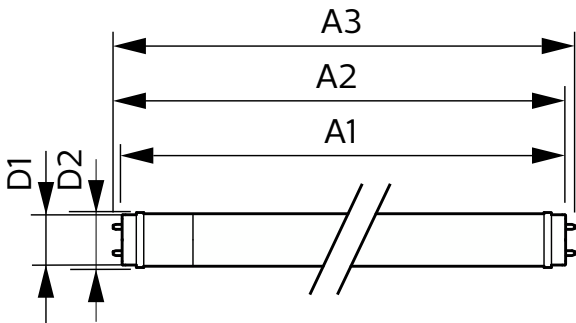
## Features

- Compatibility – Each lamp is compatible with several drivers.
- Lifetime delivered: Average life rating of 50,000 hours1 (Tested to B50 L70 requirement with a ballast factor < 0.88.)
- Lamp sizes range from 2-foot to 8-foot and U-bend with a variety of lumen outputs.
- Proven product history: Philips is a company with a long history of innovation and reliability in the lighting industry.
- Built-in surge and shock protection

## Application

- Warehouses
- Schools
- Offices

## Dimensional drawing



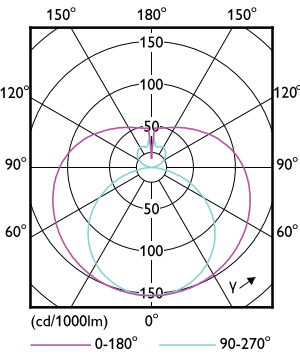
Product	D1	D2	A1	A2	A3
16T8/LED/48-840/IF18/G 25/1	25.7 mm	28 mm	1,198 mm	1,205 mm	1,212 mm
16T8/LED/48-850/IF18/G 25/1	25.7 mm	28 mm	1,198 mm	1,205 mm	1,212 mm

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General Information	
Cap-Base	G13
Switching Cycle	50,000
Nominal lifetime	36,000 hour(s)
Light Technical	
Beam Angle (Nom)	240 degree(s)
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %
Luminous Flux	1,800 lm
Operating and Electrical	
Input Frequency	20K to 120K Hz
Line Frequency	20K to 120K Hz
Power Consumption	16 W
Starting Time (Nom)	0.5 s
Wattage Equivalent	32 W
Temperature	
T-Case Maximum (Nom)	35 °C
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Bulb Finish	Frosted
Bulb Shape	T8
Approval and Application	
Ambient temperature range	-20 °C to 45 °C
Energy Consumption kWh/1000 h	- kWh

Light Technical

Order Code	Full Product Name	Correlated Color Temperature (Nom)	Color Code
929001960604	16T8/LED/48-840/IF18/G 25/1	4000 K	840
929001960704	16T8/LED/48-850/IF18/G 25/1	5000 K	850



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