PHILIPS

Lighting

MasterClass InstantFit LED T8 lamps have been proven to work with 216 different ballasts, delivering even light output, proven energy savings and long average lifetime.

MasterClass InstantFit (UL Type-A) T8

The MasterClass InstantFit T8 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 MasterClass InstantFit (UL Type A) has been proven to work with over 200 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 lamps with no visible flicker and optimized optics. Energy managers will enjoy these lamps too as they can count the savings delivered by our lamps. To enjoy more energy savings, the MasterClass InstantFit lamps can be paired with the Advance TLED drivers to create a Type C system. With available 70,000 hour life, 7-year limited warranty and a shatter-prevention

polycarbonate lens, Philips MasterClass InstantFit TLED lamps deliver benefits for all.

Benefits

- Proven over 40% energy savings compared to traditional fluorescent lighting
- No visible flicker - All InstantFit lamps are below 1.0 (Refer to NEMA77, IEC 61547 & IEC 63158 standard for SVM (Stroboscopic Visibility Measure)
- A variety of drivers enable optimizing the light output and wattage consumption for each application

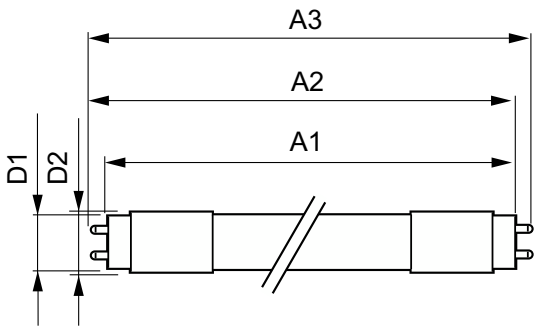
Features

- MasterClass InstantFit works with over 200 ballasts and drivers
- Flexibility - Type A lamps can be used as type C lamps
- Dimmability - Certain lamp driver combinations are dimmable
- Lifetime delivered: Average life rating of 70,000 hours
- Lamp sizes range from 2-foot to 8-foot and U-bend with a variety of lumen outputs.

Application

- Warehouses
- Schools
- Offices

Dimensional drawing



Product	D1	D2	A1	A2	A3
7T8/MAS/24-830/IF10/P/DIM 10/1	25.7 mm	26.3 mm	588.6 mm	595.7 mm	602.8 mm
7T8/MAS/24-840/IF11/P/DIM 10/1	25.7 mm	26.3 mm	588.6 mm	595.7 mm	602.8 mm

MasterClass InstantFit (UL Type-A) T8

General Information	
Cap-Base	G13
Switching Cycle	50,000
Nominal lifetime	70,000 hour(s)

Light Technical	
Beam Angle (Nom)	180 degree(s)
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %

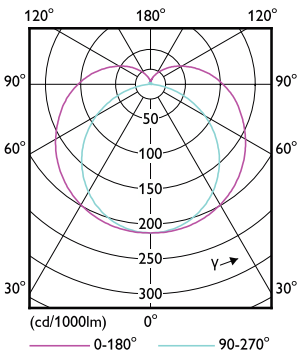
Operating and Electrical	
Input Frequency	20K to 120K Hz
Line Frequency	20K to 120K Hz
Power Consumption	7 W
Starting Time (Nom)	0.5 s
Wattage Equivalent	17 W

Temperature	
T-Case Maximum (Nom)	40 °C

Controls and Dimming	
Dimmable	Only with specific dimmers

Mechanical and Housing	
Bulb Finish	Frosted
Bulb Shape	T8

Approval and Application	
Ambient temperature range	-20 °C to 45 °C



Light Technical

Order Code	Full Product Name	Correlated Color Temperature (Nom)	Color Code	Luminous Flux
929001986904	7T8/MAS/24-830/IF10/P/DIM 10/1	3000 K	830	1,150 lm
929001987104	7T8/MAS/24-840/IF11/P/DIM 10/1	4000 K	840	1,200 lm

MasterClass InstantFit (UL Type-A) T8

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