

LED InstantFit Lamps

12T8/48-5000 IF 10/1

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

Warnings and Safety

- Perform a visual inspection to ensure lamp holders (or sockets) are not damaged or loose. If the lamp holders (or sockets) are damaged, corroded, charred, blackened or loose, contact a qualified electrician for proper replacement.
- · Please refer to the ballast compatibility guide located at www.philips.com/instantfit.

Product data

General Information				
Cap-Base	G13 [Medium Bi-Pin Fluorescent]			
Nominal lifetime	50,000 hour(s)			
Switching Cycle	50,000			
Lighting Technology	LED			
EU RoHS compliant	Yes			
Light Technical				
Color Code	850 [CCT of 5000K]			
Beam Angle (Nom)	160 degree(s)			
Luminous Flux	1,650 lm			
Correlated Color Temperature (Nom)	5000 K			
Color Consistency	<5			
Color rendering index (CRI)	82			
LLMF At End Of Nominal Lifetime (Nom) 70 %				
Operating and Electrical				
Line Frequency	50 to 60 Hz			
Input Frequency	50 to 60 Hz			
Power Consumption	12 W			

Lamp Current (Max)	150 mA		
Lamp Current (Min)	60 mA		
Starting Time (Nom)	0.5 s		
Warm-up time to 60% light	0.1 s		
Power Factor (Fraction)	0.9		
Voltage (Nom)	120-277 V		
Temperature			
Ambient temperature range	-20 °C to 45 °C		
T-Case Maximum (Nom)	40 °C		
Controls and Dimming			
Dimmable	No		
Mechanical and Housing			
Product Length	1,200 mm		
Approval and Application			
Energy Saving Product	Yes		

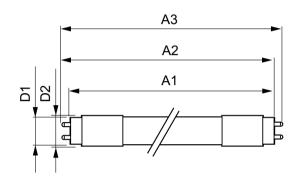
Datasheet, 2023, April 29 data subject to change

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Approval Marks	UL certificate RoHS compliance KEMA Keur		
	certificate DLC compliance		
Energy Consumption kWh/1000 h	14.5 kWh		
Product Data			
Order product name	12T8/48-5000 IF 10/1		
Full product name	12T8/48-5000 IF 10/1		
Order code	453613		

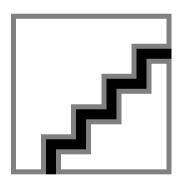
Material Nr. (12NC)	929001124204	
Numerator - Quantity Per Pack	1	
EAN/UPC - Product/Case	046677453619	
Numerator - Packs per outer box	10	
EAN/UPC - Case	50046677453614	

Dimensional drawing



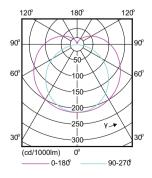
Product	D1	D2	A1	A2	A3
12T8/48-5000 IF 10/1	25.68 mm	28 mm	1,198.0 mm	1,205.0 mm	1,212.0 mm

Photometric data





Spectral Power Distribution Colour - 12T8/48-5000 IF 10/1



Light Distribution Diagram - 12T8/48-5000 IF 10/1

General uniform lighting - 12T8/48-5000 IF 10/1

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