



# LED InstantFit Lamps

## 16T8/LED/48-850/IF18/G 25/1

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

### Product data

General Information	
Base	G13 [ Medium Bi-Pin Fluorescent]
Nominal Lifetime (Nom)	36000 h
Switching Cycle	50000X
B50L70	36000 h
Light Technical	
Color Code	850 [ CCT of 5000K]
Initial lumen (Nom)	1800 lm
Luminous Flux (Rated) (Nom)	1800 lm
Correlated Color Temperature (Nom)	5000 K
Color Consistency	<6
Color Rendering Index (Nom)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %
Operating and Electrical	
Input Frequency	20K to 120K Hz
Power (Rated) (Nom)	16 W
Lamp Current (Max)	330 mA
Lamp Current (Min)	110 mA
Starting Time (Nom)	0.5 s
Warm Up Time to 60% Light (Nom)	0.5 s
Power Factor (Nom)	0.9
Voltage (Nom)	120-277, 347 V

Temperature	
T-Ambient (Max)	45 °C
T-Ambient (Min)	-20 °C
T-Storage (Max)	65 °C
T-Storage (Min)	-40 °C
T-Case Maximum (Nom)	35 °C
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Product Length	1200 mm
Approval and Application	
Energy Saving Product	Yes
Approbation Marks	RoHS compliance UL certificate
Product Data	
Order product name	16T8/LED/48-850/IF18/G 25/1
EAN/UPC - Product	046677542092
Order code	542092
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	25
Material Nr. (12NC)	929001960704
Net Weight (Piece)	0.215 kg

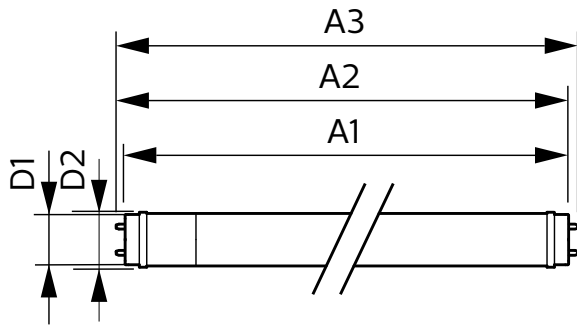
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Model Number	9290019607
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## Warnings and Safety

- 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](http://www.philips.com/instantfit).

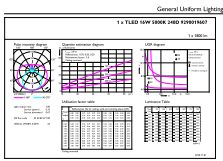
## Dimensional drawing



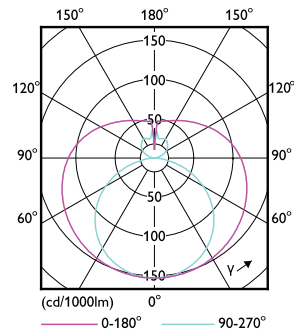
TLED 1200mm T8 120-277 16W 1800lm 5000K

Product	D1	D2	A1	A2	A3
16T8/LED/48-850/IF18/G 25/1	25.7 mm	28 mm	1198 mm	1205 mm	1212 mm

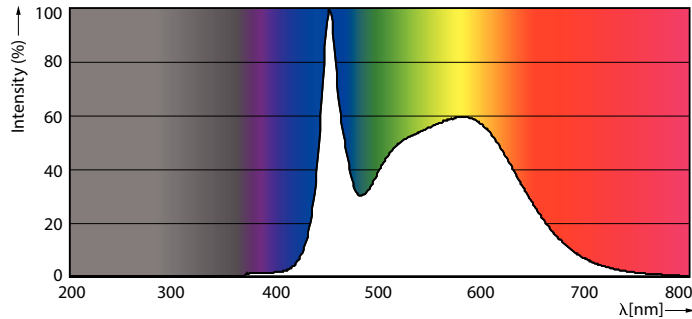
## Photometric data



General Uniform Lighting



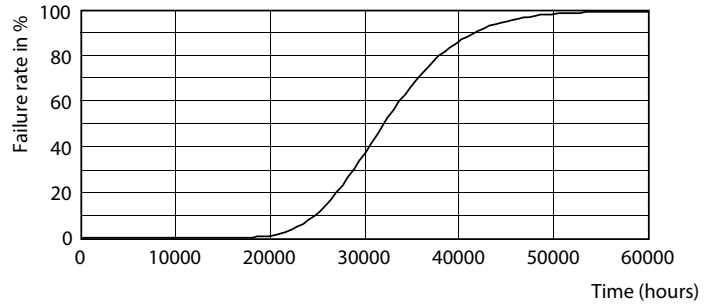
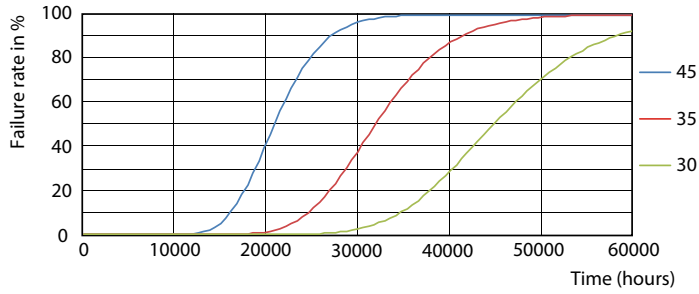
LEDtubes 1200mm T8 120-277 16W 1800lm 4000K



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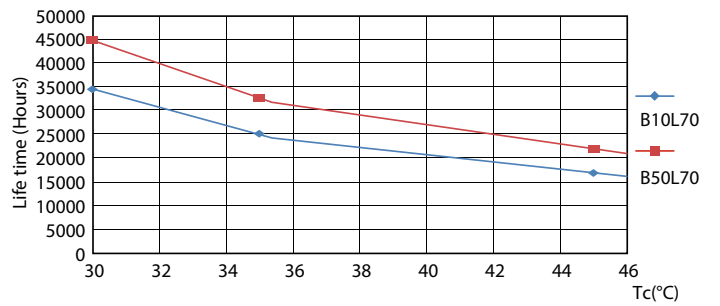
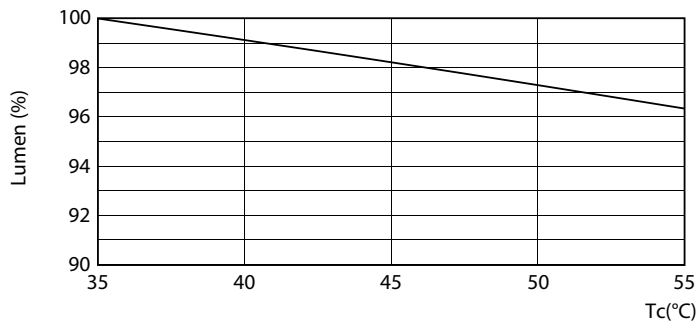
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## Lifetime



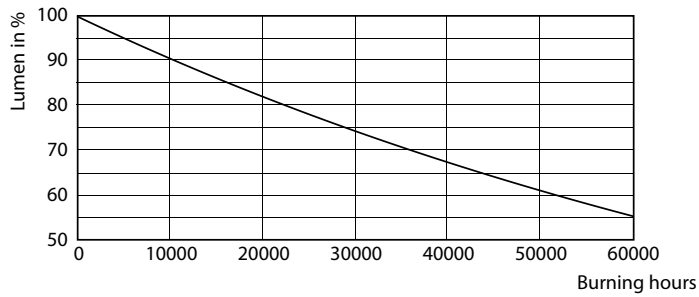
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