

# MasterClass LEDtube Mains T8

## 12T8/PER/48-830/BB17/G 10/1 FB

Philips MasterClass MainsFit (UL Type-B) T8 LED lamps use a double-ended design which significantly simplifies installation, saving installation time and costs. This ballast bypass product replaces either T8 or T12 lamps in fixtures containing shunted or non-shunted G13 (medium bi-pin) lamp holders for over 40% energy savings.

### Product data

General Information	
Cap-Base	G13 [ Medium Bi-Pin Fluorescent]
Nominal Lifetime (Nom)	50000 h
Switching Cycle	50000X
B50L70	50000 h

Light Technical	
Color Code	830 [ CCT of 3000K]
Beam Angle (Nom)	240 °
Initial lumen (Nom)	1700 lm
Luminous Flux (Rated) (Nom)	1700 lm
Rated Beam Angle	240 °
Correlated Color Temperature (Nom)	3000 K
Color Consistency	<6
Color Rendering Index (Nom)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %

Operating and Electrical	
Input Frequency	50 to 60 Hz
Power (Rated) (Nom)	12 W

Lamp Current	
Lamp Current (Max)	120 mA
Lamp Current (Min)	40 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 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)	70 °C

Controls and Dimming	
Dimmable	No

Mechanical and Housing	
Product Length	1200 mm

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## Approval and Application

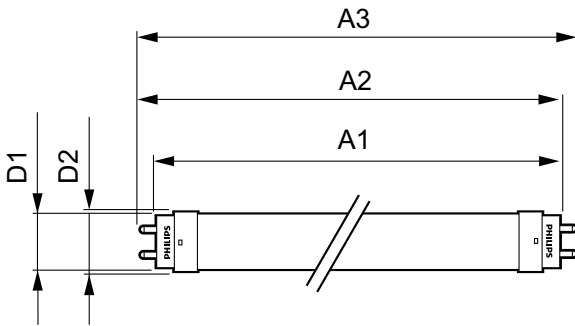
Energy Saving Product	Yes
Approbation Marks	UL certificate RoHS compliance DLC compliance
DesignLights Consortium Qualified Product List	DesignLights Consortium Qualified Product List

## Product Data

Order product name	12T8/PER/48-830/BB17/G 10/1 FB
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EAN/UPC - Product	046677532673
Order code	532671
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10
Material Nr. (12NC)	929001876804
Net Weight (Piece)	0.215 kg
Model Number	9290018768

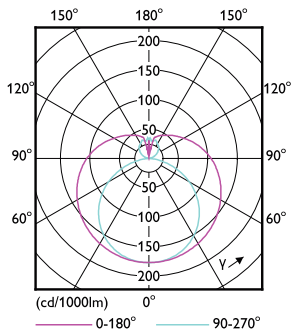
## Dimensional drawing



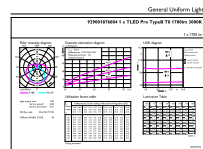
Performance TypeB 1800lm 12W

Product	D1	D2	A1	A2	A3
12T8/PER/48-830/BB17/G 10/1 FB	25.7 mm	28 mm	1198 mm	1205 mm	1212 mm

## Photometric data



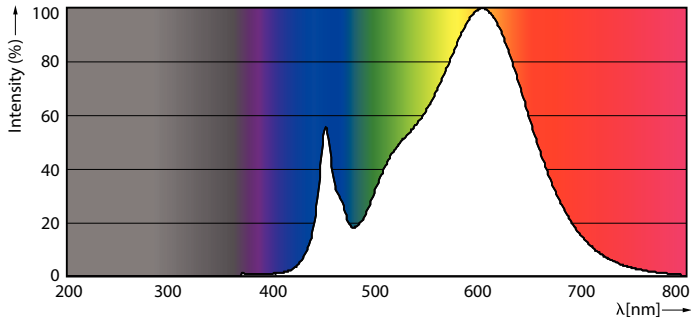
LEDtube PRO 12W G13 830 24D ND



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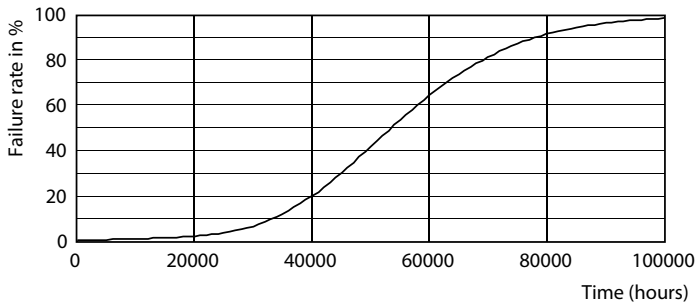
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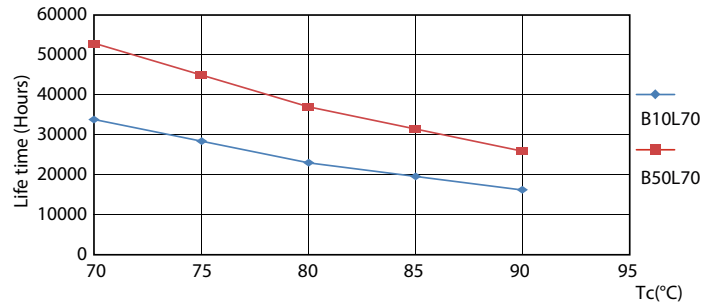


LEDtube PRO 12W G13 830 24D ND

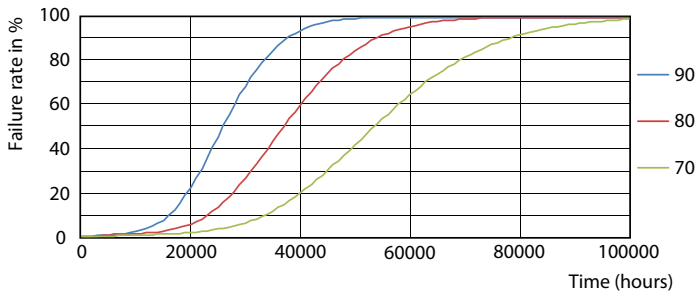
## Lifetime



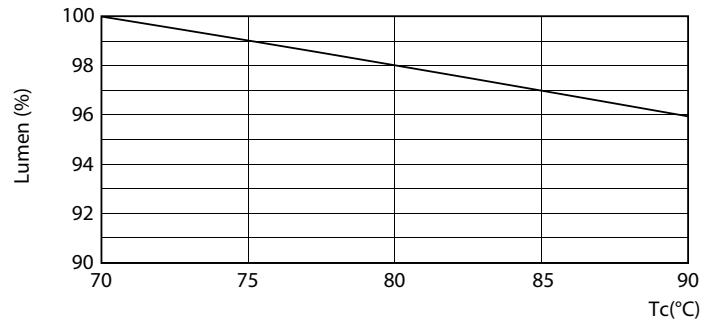
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