



MasterClass LEDtube Mains T8

12T8/PER/48-840/BB18/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	840 [CCT of 4000K]
Beam Angle (Nom)	240 °
Luminous Flux (Nom)	1800 lm
Luminous Flux (Rated) (Nom)	1800 lm
Rated Beam Angle	240 °
Correlated Color Temperature (Nom)	4000 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

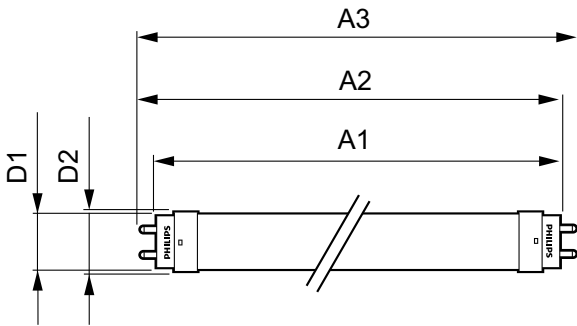
Energy Saving Product	Yes
Approval Marks	UL certificate RoHS compliance DLC compliance
DesignLights Consortium Qualified Product List	DesignLights Consortium Qualified Product List

Product Data

Order product name	12T8/PER/48-840/BB18/G 10/1 FB
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EAN/UPC - Product	046677532697
Order code	929001877004
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10
Material Nr. (12NC)	929001877004
Net Weight (Piece)	0.215 kg

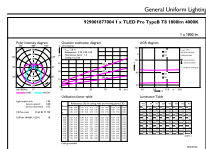
Dimensional drawing



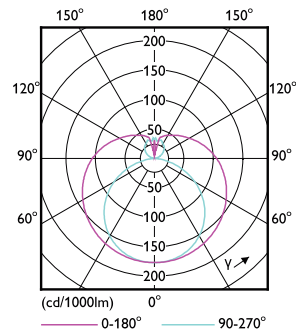
Performance TypeB 1800lm 12W

Product	D1	D2	A1	A2	A3
12T8/PER/48-840/BB18/G 10/1 FB	25.7 mm	28 mm	1198 mm	1205 mm	1212 mm

Photometric data



General Uniform Lighting

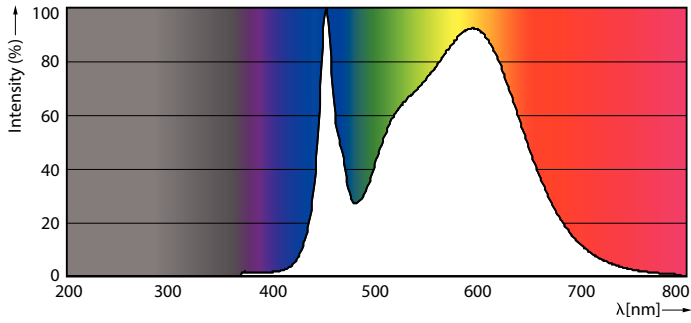


LEDtube PRO 12W G13 840 24D ND

LEDtube PRO 12W G13 830 24D ND

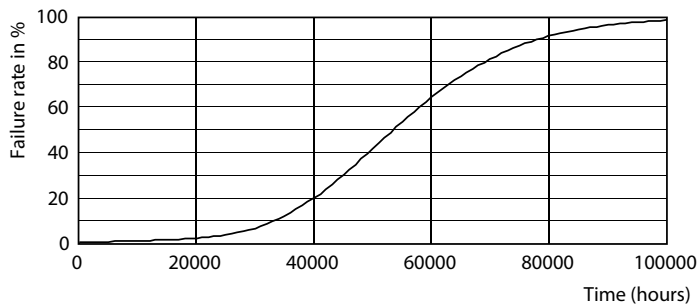
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Photometric data

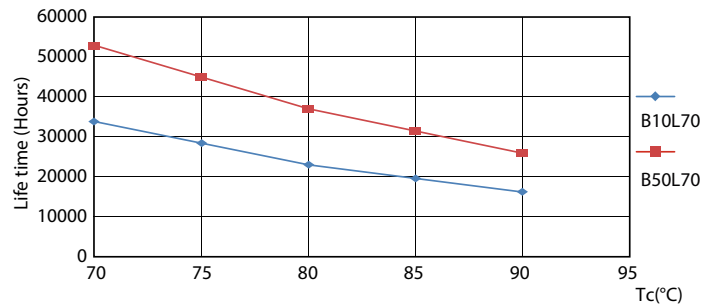


LEDtube PRO 12W G13 840 24D ND

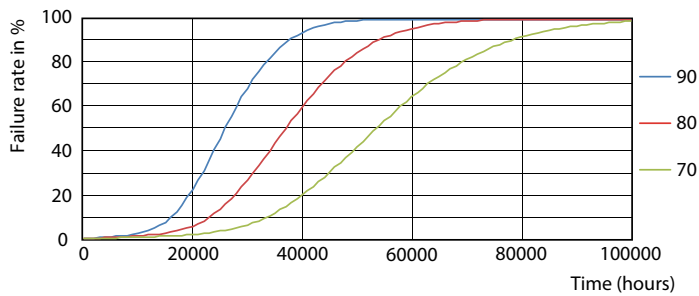
Lifetime



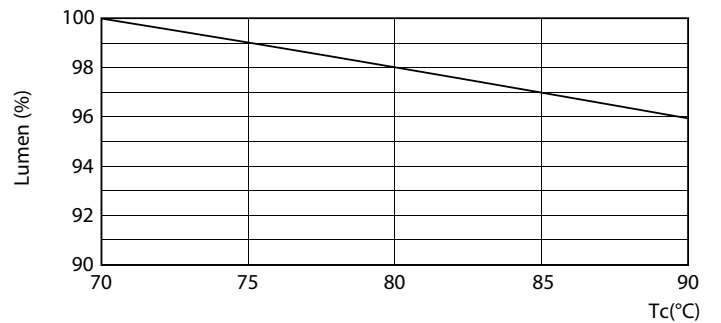
LEDtube PRO 12W G13 830 24D ND



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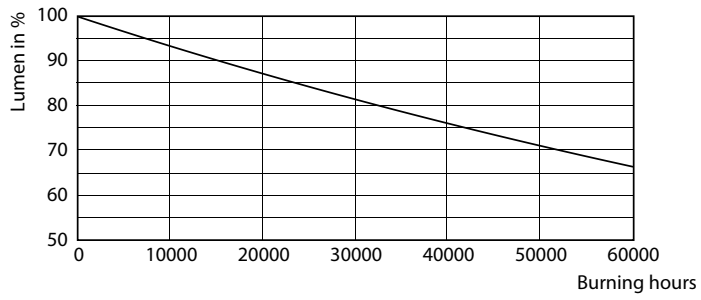
LEDtube PRO 12W G13 830 24D ND



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Lifetime



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