



MasterClass LEDtube Mains T8

12T8/PER/48-835/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		Lamp Current (Max)	
Cap-Base	G13 [Medium Bi-Pin Fluorescent]	Lamp Current (Min)	120 mA
Nominal Lifetime (Nom)	50000 h	Starting Time (Nom)	40 mA
Switching Cycle	50000X	Warm Up Time to 60% Light (Nom)	0.5 s
B50L70	50000 h	Power Factor (Nom)	0.9
Voltage (Nom)		120-277 V	
Light Technical		Temperature	
Color Code	835 [CCT of 3500K]	T-Ambient (Max)	45 °C
Beam Angle (Nom)	240 °	T-Ambient (Min)	-20 °C
Luminous Flux (Nom)	1700 lm	T-Storage (Max)	65 °C
Luminous Flux (Rated) (Nom)	1700 lm	T-Storage (Min)	-40 °C
Rated Beam Angle	240 °	T-Case Maximum (Nom)	70 °C
Correlated Color Temperature (Nom)	3500 K	Controls and Dimming	
Color Consistency	<6	Dimmable	No
Color Rendering Index (Nom)	80	Mechanical and Housing	
LLMF At End Of Nominal Lifetime (Nom)	70 %	Product Length	1200 mm
Operating and Electrical			
Input Frequency	50 to 60 Hz		
Power (Rated) (Nom)	12 W		

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Approval and Application

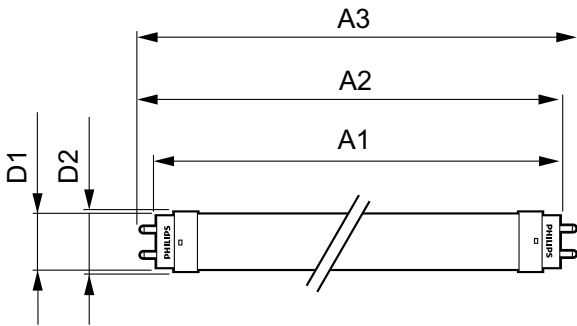
Energy Saving Product	Yes
Approval Marks	UL certificate RoHS compliance DLC compliance
DesignLights Consortium Qualified Product List	DesignLights Consortium Qualified Product List

Product Data

Order product name	12T8/PER/48-835/BB17/G 10/1 FB
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EAN/UPC - Product	046677532680
Order code	929001876904
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10
Material Nr. (12NC)	929001876904
Net Weight (Piece)	0.215 kg

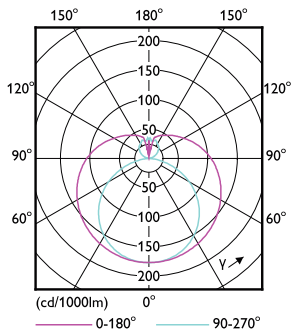
Dimensional drawing



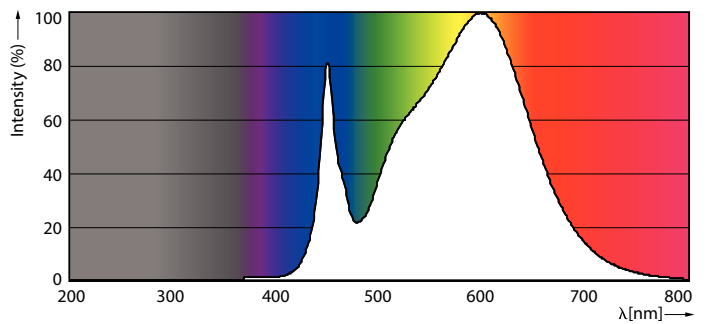
Performance TypeB 1800lm 12W

Product	D1	D2	A1	A2	A3
12T8/PER/48-835/BB17/G 10/1 FB	25.7 mm	28 mm	1198 mm	1205 mm	1212 mm

Photometric data



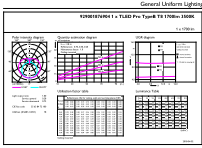
LEDtube PRO 12W G13 830 24D ND



LEDtube PRO 12W G13 835 24D ND

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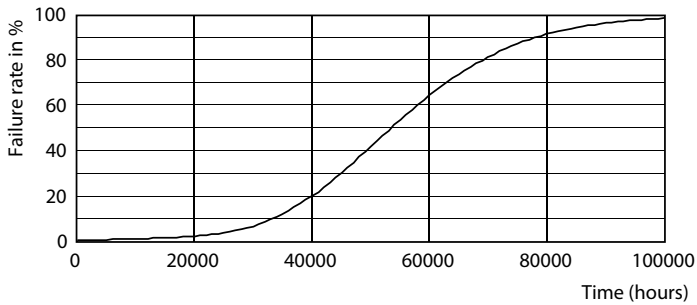
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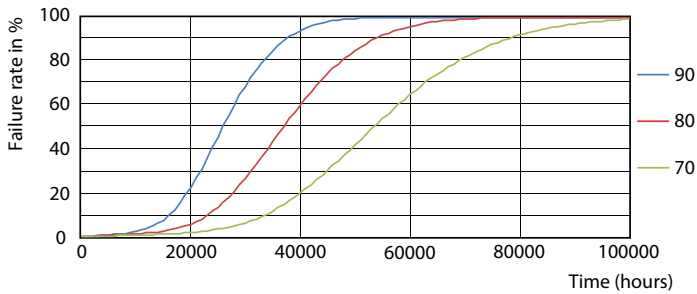
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LEDtube PRO 12W G13 835 24D ND

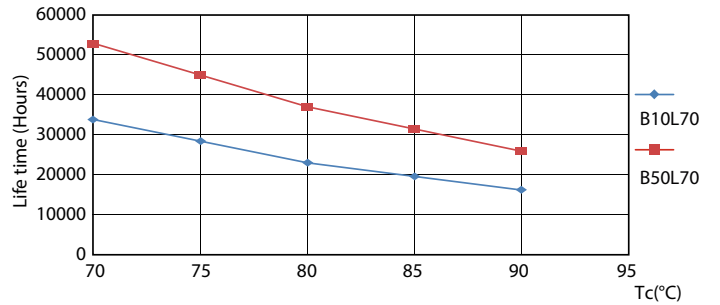
Lifetime



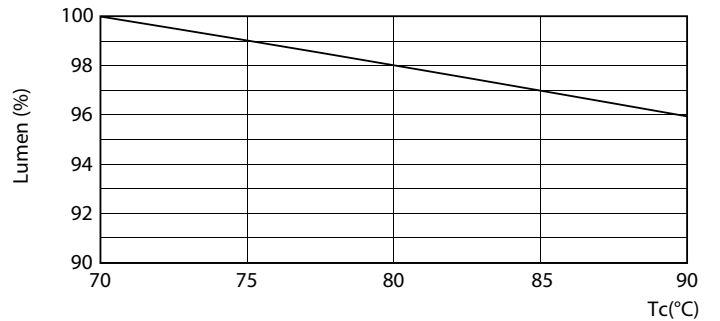
LEDtube PRO 12W G13 830 24D ND



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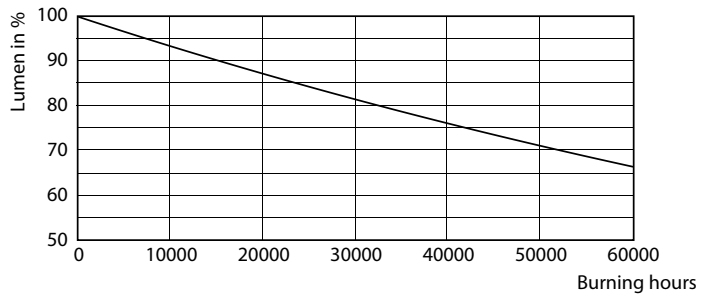
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Lifetime



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