

MasterClass LEDtube Mains T8

12T8/PER/48-850/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.

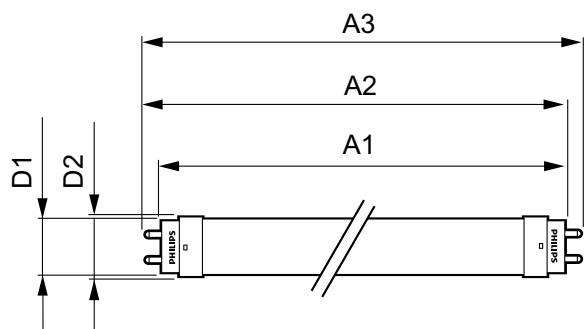
Product data

General Information			
Cap-Base	G13 [Medium Bi-Pin Fluorescent]	Lamp Current (Max)	120 mA
Nominal Lifetime (Nom)	50000 h	Lamp Current (Min)	40 mA
Switching Cycle	50000X	Starting Time (Nom)	0.5 s
B50L70	50000 h	Warm Up Time to 60% Light (Nom)	0.5 s
Light Technical		Power Factor (Nom)	0.9
Color Code	850 [CCT of 5000K]	Voltage (Nom)	120-277 V
Beam Angle (Nom)	240 °	Temperature	
Initial lumen (Nom)	1800 lm	T-Ambient (Max)	45 °C
Luminous Flux (Rated) (Nom)	1800 lm	T-Ambient (Min)	-20 °C
Rated Beam Angle	240 °	T-Storage (Max)	65 °C
Correlated Color Temperature (Nom)	5000 K	T-Storage (Min)	-40 °C
Color Consistency	<5	T-Case Maximum (Nom)	70 °C
Color Rendering Index (Nom)	80	Controls and Dimming	
LLMF At End Of Nominal Lifetime (Nom)	70 %	Dimmable	No
Operating and Electrical		Mechanical and Housing	
Input Frequency	50 to 60 Hz	Product Length	1200 mm
Power (Rated) (Nom)	12 W		

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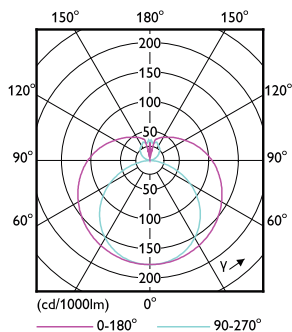
Approval and Application	
Energy Saving Product	Yes
Approbation Marks	UL certificate RoHS compliance DLC compliance
DesignLights Consortium Qualified Product List	DesignLights Consortium Qualified Product List
Product Data	
Order product name	12T8/PER/48-850/BB18/G 10/1 FB

Dimensional drawing



Performance TypeB 1800lm 12W

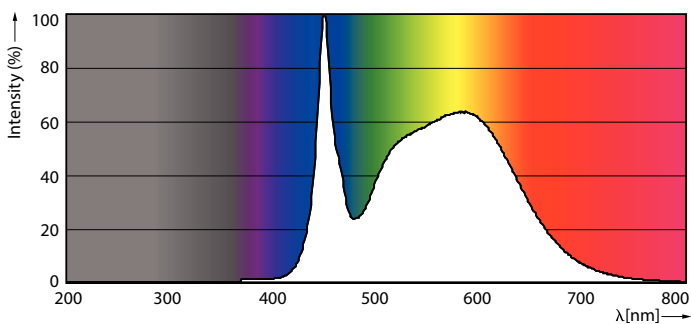
Photometric data



LEDtube PRO 12W G13 830 24D ND

EAN/UPC - Product	046677532703
Order code	532705
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10
Material Nr. (12NC)	929001877104
Net Weight (Piece)	0.215 kg
Model Number	9290018771

Product	D1	D2	A1	A2	A3
12T8/PER/48-850/BB18/G 10/1 FB	25.7 mm	28 mm	1198 mm	1205 mm	1212 mm



LEDtube PRO 12W G13 850 24D ND

