



MasterClass LEDtube InstantFit T8

13T8/MAS/48-840/IF21/P/DIM 10/1

The MasterClass InstantFit TLED is a great LED solution suitable for replacing T8 fluorescent lamps, using the existing ballast. MasterClass TLEDs feature a shatter-resistant polycarbonate construction, 70,000 hour life and a standard 7-year limited warranty. When maximum energy savings and long life are needed, Philips MasterClass TLED are the solution.

Product data

General Information	
Base	G13 [Medium Bi-Pin Fluorescent]
Main Application	Indoor
Nominal Lifetime (Nom)	70000 h
Switching Cycle	50000X
B50L70	70000 h

Light Technical	
Color Code	841 [CCT of 4100K (841)]
Initial lumen (Nom)	2100 lm
Luminous Flux (Rated) (Nom)	2100 lm
Correlated Color Temperature (Nom)	4000 K
Color Consistency	<6
Color Rendering Index (Nom)	82
LLMF At End Of Nominal Lifetime (Nom)	70 %

Operating and Electrical	
Input Frequency	20000-120000 Hz
Power (Rated) (Nom)	13 W
Lamp Current (Max)	400 mA

Lamp Current (Min)	130 mA
Starting Time (Nom)	0.5 s
Warm Up Time to 60% Light (Nom)	0.5 s
Power Factor (Nom)	0.9
Voltage (Max)	347 V
Voltage (Min)	120 V
Voltage (Nom)	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)	50 °C

Controls and Dimming	
Dimmable	Yes

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Mechanical and Housing

Product Length 1200 mm

Approval and Application

Energy Saving Product Yes

Approbation Marks RoHS compliance UL certificate DLC compliance

Energy Certifications DLC Standard

DesignLights Consortium Qualified Product List -

Product Data

Order product name 13T8/MAS/48-840/IF21/P/DIM 10/1

EAN/UPC - Product 046677473945

Order code 473942

Numerator - Quantity Per Pack 1

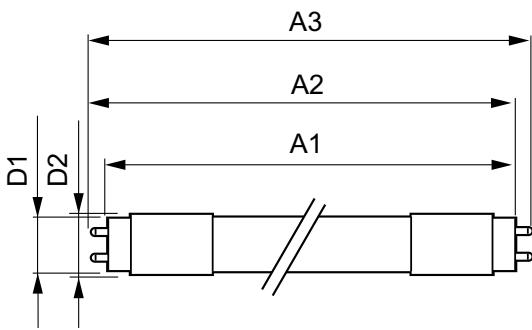
Numerator - Packs per outer box 10

Material Nr. (12NC) 929001397834

Net Weight (Piece) 0.220 kg

Model Number 9290013978B

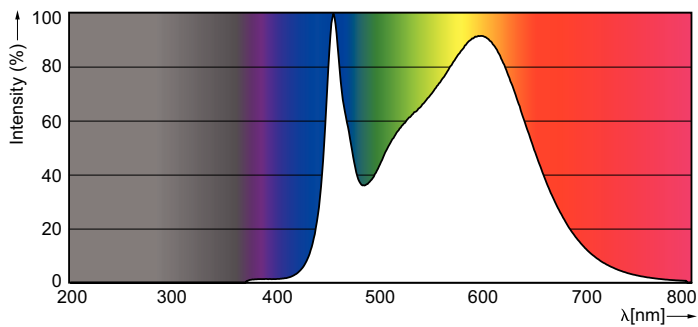
Dimensional drawing



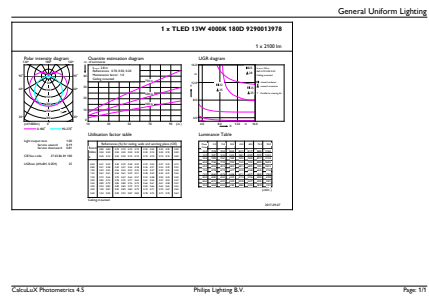
TLED IF MasterClass 4ft 2100lm 4000K

Product	D1	D2	A1	A2	A3
13T8/MAS/48-840/ IF21/P/DIM 10/1	25.7 mm	26.3 mm	1198.1 mm	1205.2 mm	1212.3 mm

Photometric data



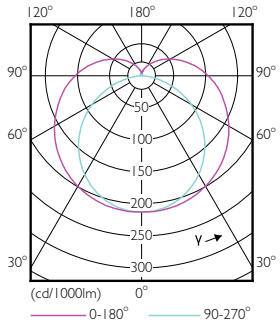
LEDtube 13W G13 2100lm



LEDtube 13W G13 2100lm

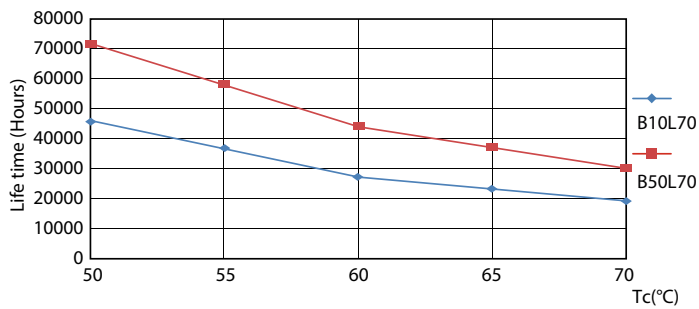
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Photometric data

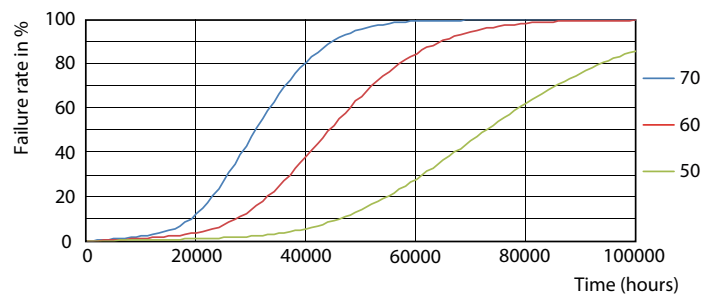


LEDtube 13W G13 830-850 IF DIM

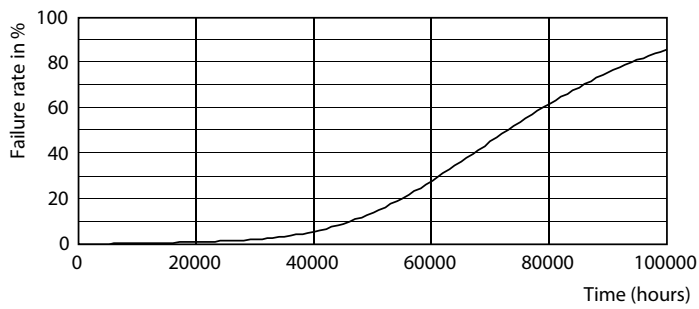
Lifetime



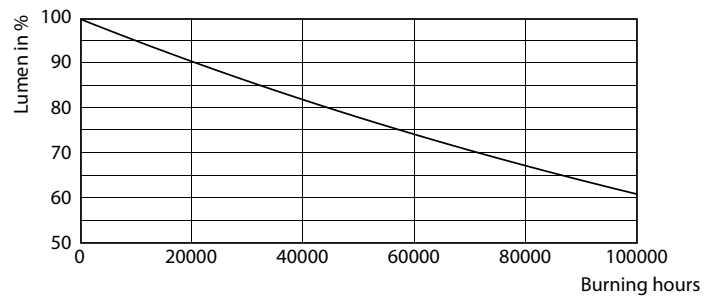
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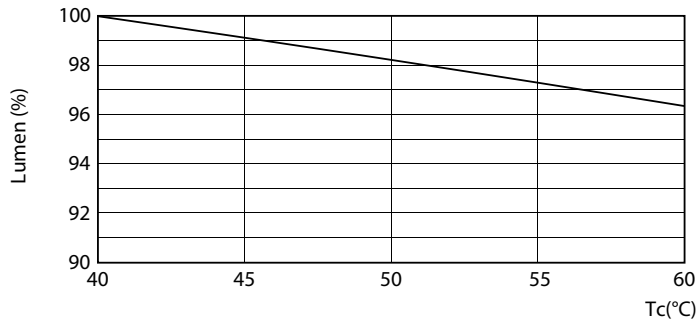
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Lifetime



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