



# MasterClass LEDtube InstantFit T8

## 13T8/MAS/48-830/IF20/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	830 [ CCT of 3000K]
Initial lumen (Nom)	2000 lm
Luminous Flux (Rated) (Nom)	2000 lm
Correlated Color Temperature (Nom)	3000 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/48-830/IF20/P/DIM 10/1

EAN/UPC - Product 046677473921

Order code 473926

Numerator - Quantity Per Pack 1

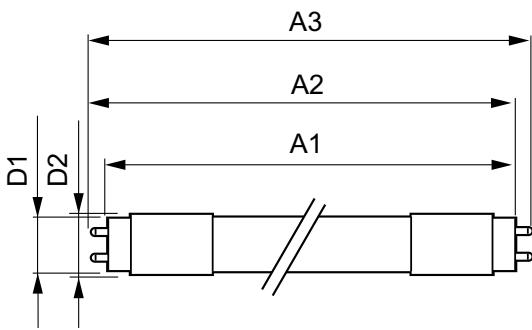
Numerator - Packs per outer box 10

Material Nr. (12NC) 929001397634

Net Weight (Piece) 0.220 kg

Model Number 9290013976A

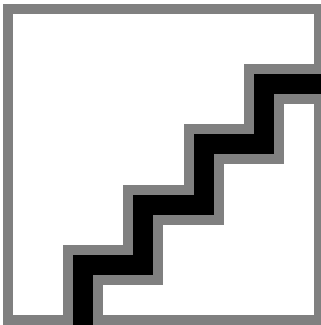
## Dimensional drawing



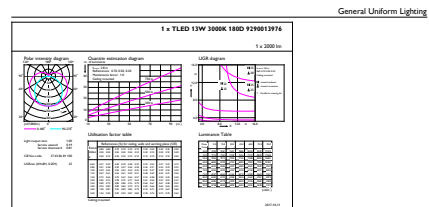
TLED IF MasterClass 4ft 2000lm 3000K

Product	D1	D2	A1	A2	A3
13T8/MAS/48-830/ IF20/P/DIM 10/1	25.7 mm	26.3 mm	1198.1 mm	1205.2 mm	1212.3 mm

## Photometric data



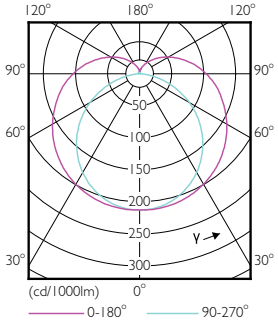
LEDtube 600mm 8W G5 830 1000lm



LEDtube 13W G13 830 IF DIM

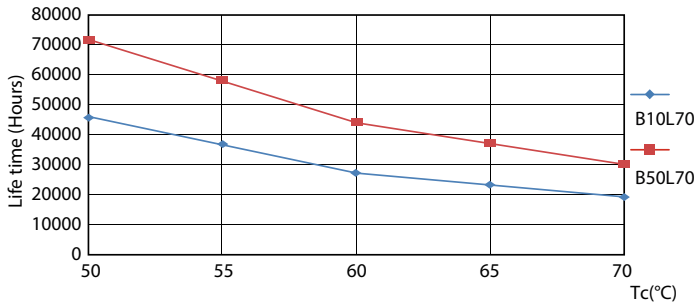
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## Photometric data

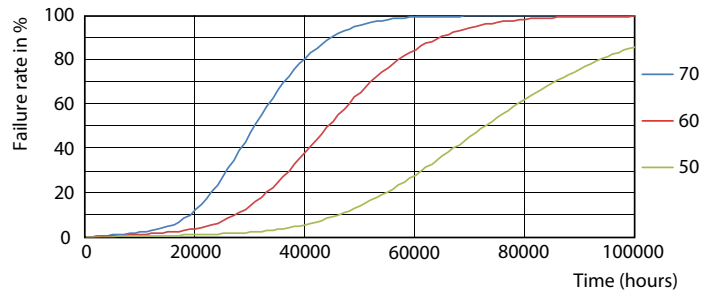


LEDtube 13W G13 2100lm

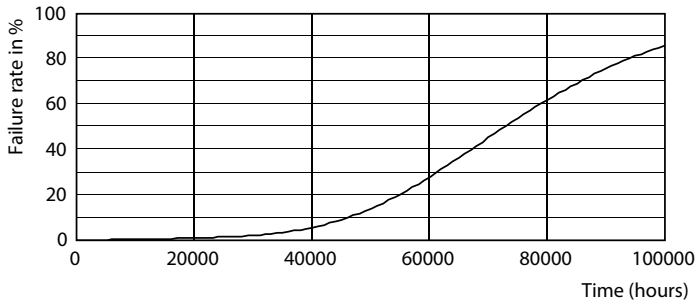
## Lifetime



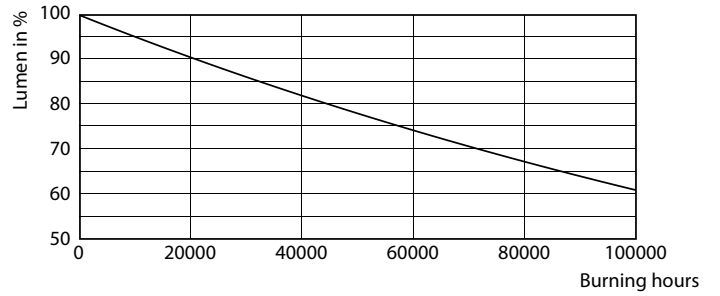
LEDtube 13W G13 2100lm



LEDtube 13W G13 2100lm



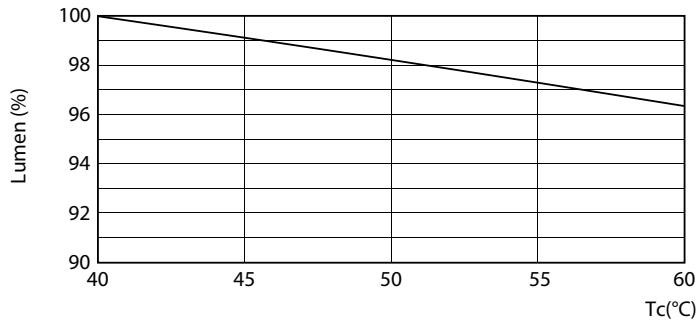
LEDtube 13W G13 2100lm



LEDtube 13W G13 2100lm

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## Lifetime



LEDtube 13W G13 2100lm

