T8

13T8/MAS/48-830/IF20/P/DIM 10/1

Our TLEDs are available in InstantFit (Type A / Type C) or MainsFit (Ballast bypass / Type B) versions. The InstantFit lamps work on a broad variety of ballasts and LED drivers. Only InstantFit has over 15,000 lamp & ballast combinations delivering even light output, energy savings and a long lifetime. Our MainsFit products feature a double-ended design, simplifying installation while a proprietary safety circuit minimizes a shock risk. Lamp sizes range from 2-foot to 8-foot and U-bend with a variety of lumen outputs.

Product data

General Information

Base	G13 [Medium Bi-Pin Fluorescent]
EU RoHS compliant	Yes
Nominal Lifetime (Nom)	70000 h
Switching Cycle	50000X

Light Technical

Color Code	830 [CCT of 3000K]
Beam Angle (Nom)	180 °
Initial lumen (Nom)	2000 lm
Color Designation	White (WH)
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	153.00 lm/W
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
UL Type	Type A - works on ballast Type C - works with dedicated LED driver Type A+C - works with both ballasts and the LED driver
Power Factor (Nom)	0.9
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

T8

Mechanical and Housing

Product Length	1200 mm

Approval and Application

|	
Energy Efficiency Label (EEL)	Not applicable
Energy Saving Product	Yes
Approbation Marks	RoHS compliance UL certificate DLC compliance
Energy Consumption kWh/1000 h	– kWh
Energy Certifications	DLC Standard

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
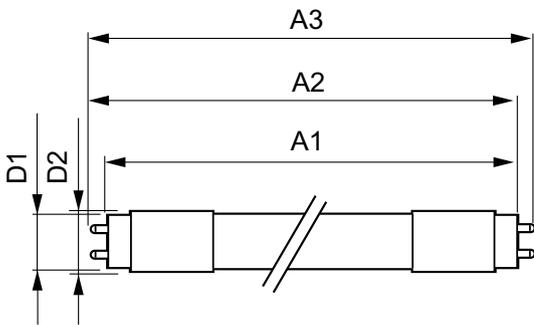
TLED IF MasterClass 4ft 2000lm 3000K

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

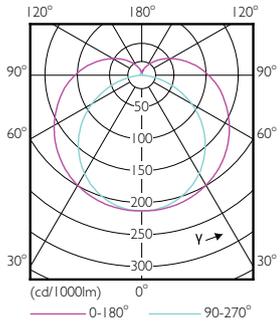## Photometric data
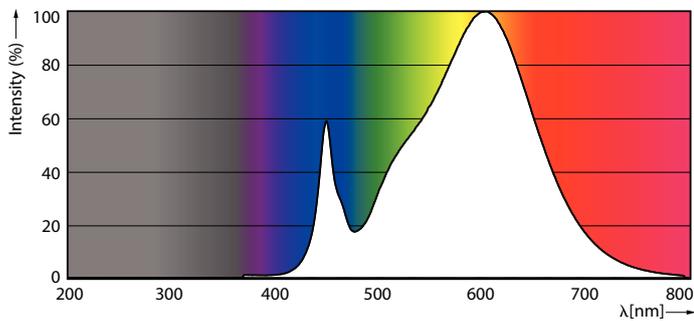
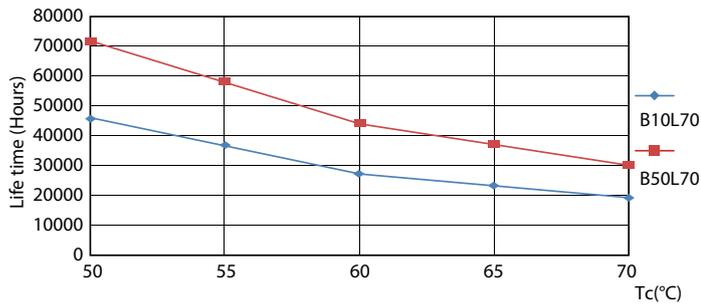**LEDtube 600mm 8W G5 830 1000lm**
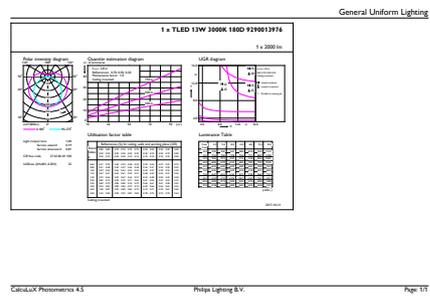
LEDtube 13W G13 830 IF DIM
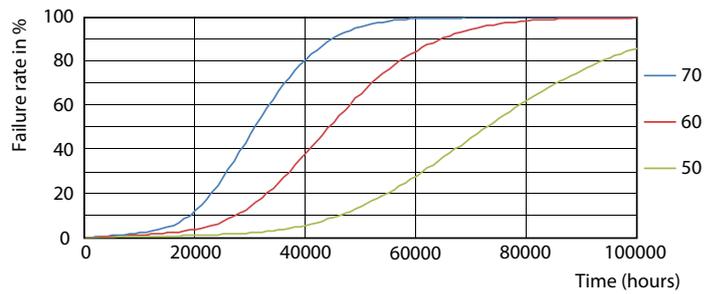
T8

Photometric data

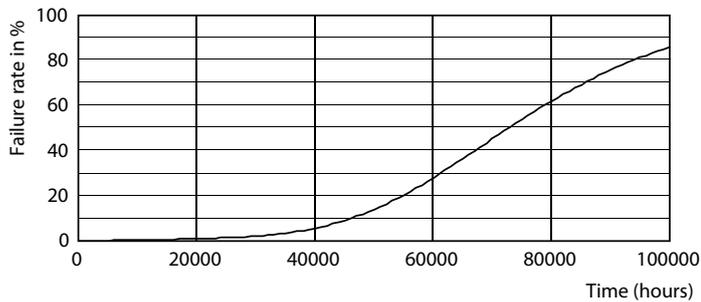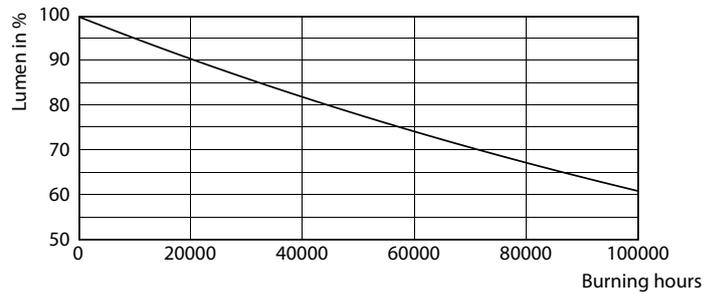
LEDtube 13W G13 2100lm

Lifetime

LEDtube 13W G13 2100lm
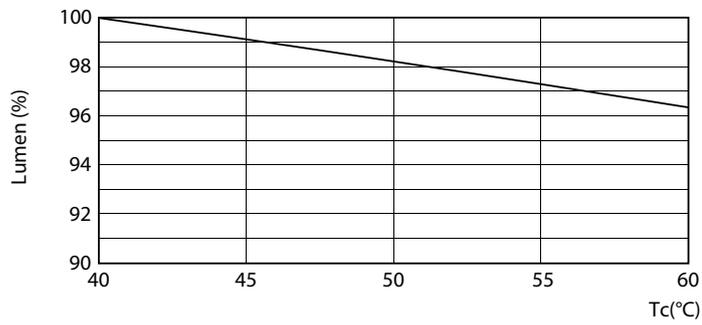

LEDtube 13W G13 2100lm

LEDtube 13W G13 2100lm

LEDtube 13W G13 2100lm

Lifetime

LEDtube 13W G13 2100lm

www.lighting.philips.com

2020, June 18 – data subject to change