

T8

14.5T8/MAS/48-830/MF20/P 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	
Cap-Base	G13 [Medium Bi-Pin Fluorescent]
EU RoHS compliant	Yes
Nominal Lifetime (Nom)	70000 h
Switching Cycle	50000
Tier	MasterClass
Light technical	
Color Code	830 [CCT of 3000K]
Beam Angle (Nom)	180 °
Luminous Flux (Nom)	2000 lm
Color Designation	White (WH)
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	137.00 lm/W
Color Consistency	<6
Color Rendering Index (Nom)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %
Operating and electrical	
Input Frequency	50 to 60 Hz

Power (Nom)	14.5 W
Lamp Current (Max)	125 mA
Lamp Current (Min)	54 mA
Wattage Equivalent	32 W
Starting Time (Nom)	0.5 s
Warm Up Time to 60% Light (Nom)	0.5 s
UL Type	Type B - bypass the ballast
Power Factor (Nom)	0.9
Voltage (Nom)	120-277 V
Temperature	
T-Ambient (Max)	45 °C
T-Ambient (Min)	-20 °C
T-Storage (Range)	-40 °C to 65 °C
T-Storage (Max)	65 °C
T-Storage (Min)	-40 °C
T-Case Maximum (Nom)	70 °C

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Controls and dimming

Dimmable	Limited
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Mechanical and housing

Bulb Finish	Frosted
Bulb Material	Plastic
Product Length	1200 mm
Bulb Shape	Tube, double-ended

Approval and application

Energy Saving Product	Yes
Approval Marks	RoHS compliance UL certificate DLC compliance

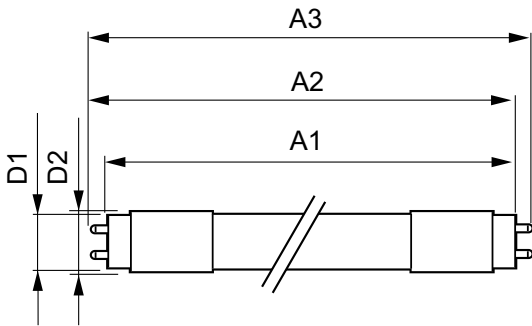
Application conditions

Ambient temperature range	-20 °C to 45 °C
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Product data

Order product name	14.5T8/MAS/48-830/MF20/P 10/1
EAN/UPC - Product	046677575519
Order code	929002325434
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10
Material Nr. (12NC)	929002325434
Net Weight (Piece)	0.120 kg
Model Number	9290023254

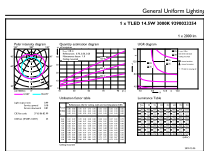
Dimensional drawing



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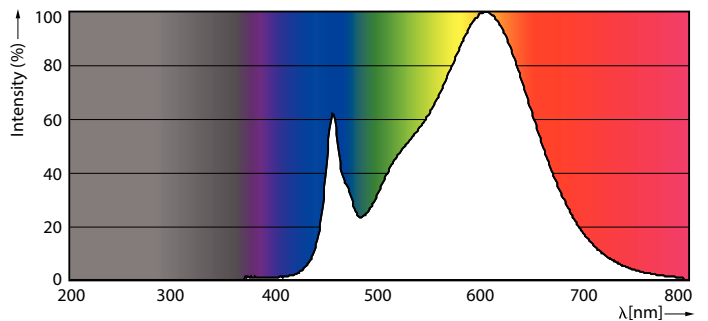
Product	D1	D2	A1	A2	A3
14.5T8/MAS/48-830/MF20/P 10/1	25.7 mm	28 mm	1198 mm	1205 mm	1212 mm

Photometric data



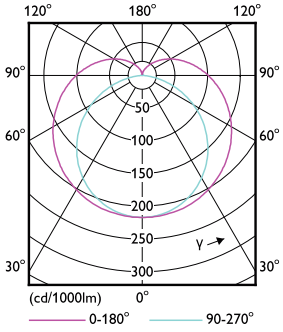
General Uniform Light
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LEDtube_14.5W_G13_830-GUL



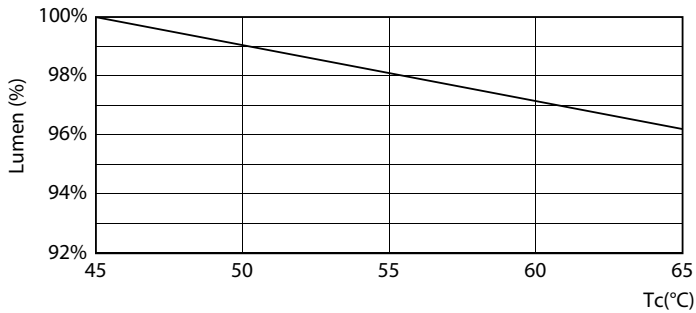
LEDtube_G13_830-POC

Photometric data

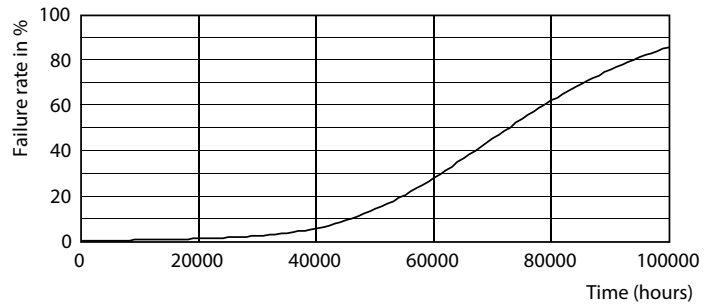


LEDtube_G13_1-LDD

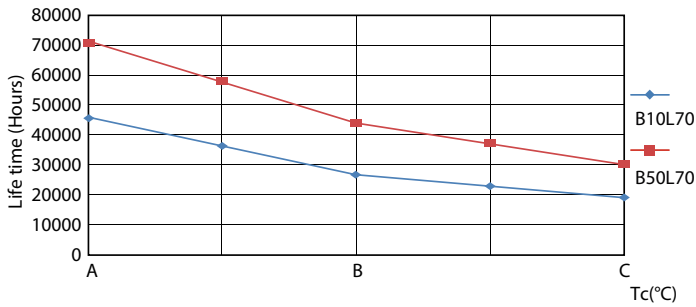
Lifetime



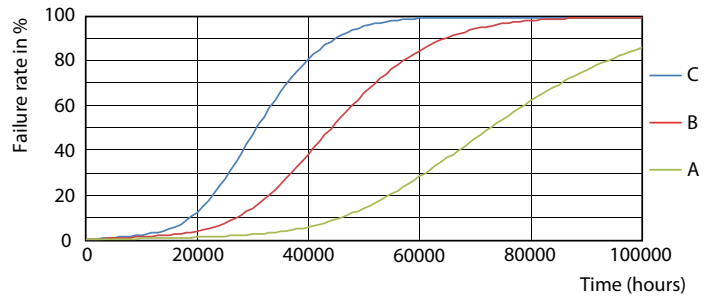
LEDtube_70K_1_LumenVsTc-LMP



Life Expectancy Diagram



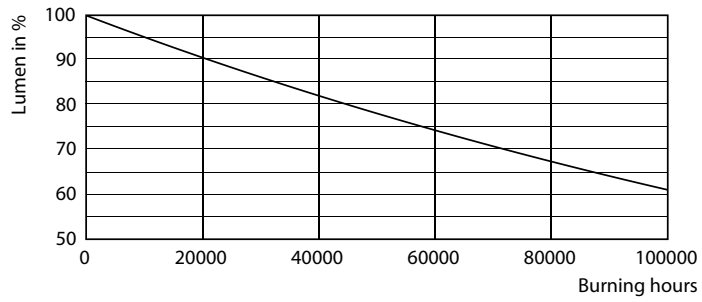
LEDtube_70K_LifetimeVsTc-LED



LEDtube_70K_FailureRate-LED

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Lifetime



Lumen Maintenance Diagram

